MCA No.: VDC 1.3 - Tox - Orl - Dow

RESULTS OF A TWO-YEAR TOXICITY STUDY WITH VINYLIDENE CHLORIDE INCORPORATED IN THE DRINKING WATER OF RATS

C. G. Humiston, J. F. Quast, C. E. Wade
J. Ballard, J. E. Beyer, and R. W. Lisowe

Checked by: B. A. Schwetz

December 19, 1977

Toxicology Research Laboratory
Health and Environmental Research
Dow Chemical U.S.A.
Midland, Michigan 48640

SL 081966

INTRODUCTION

Vinylidene chloride (VDC) is a liquid monomer of considerable importance to the plastics industry. It is used in copolymers to manufacture various barrier resins and films widely used in industry and commerce. VDC exerts effects on the liver qualitatively resembling those of CCl_4(1); however, its mechanism of action is apparently different and it seems to be metabolized to less toxic, rather than more toxic, metabolites. Effects on liver enzymes have been recorded at dose levels in the range of 100-800 mg/kg. Inhalation studies have indicated that VDC affects the central nervous system at high concentrations and the liver and kidney over a wider range of concentrations. To further establish the toxicological properties of vinylidene chloride and to determine its oncogenic potential, a series of toxicological studies have been initiated using various routes of exposure. The two-year study herein reported, wherein the vinylidene chloride was incorporated in the drinking water of rats, is one of the studies to evaluate the effects of chronic exposure by ingestion. Administration of the test material in the drinking water was selected because the concentration of vinylidene chloride could be held relatively constant in water over a 24-hour period whereas it was rapidly lost from the feed.

This study was conducted under the auspices of the Manufacturing Chemists Association and was financially supported by interested manufacturers and/or users of vinylidene chloride.

MATERIALS AND METHODS

Test Material. The vinylidene chloride used in this study is described as follows:

chemical name:	vinylidene chloride
synonym:	1,1-dichloroethylene, VDC
molecular formula:	$C_2H_2Cl_2$
structural formula:	$CH_2 = CCl_2$
molecular weight:	96.95
description:	clear, colorless liquid having a characteristic sweet odor.

The VDC samples were aliquots of commercial production material, minimum purity 99.5%, obtained from The Dow Chemical Company, Freeport, Texas. The specifications for the production material were as follows:

acetylenes	25 ppm maximum
acidity as HCl	15 ppm maximum
water	75 ppm maximum
peroxides	25 ppm maximum
color APHA	30 maximum
iron	0.5 ppm maximum
specific gravity at 25/25°C	1.202 - 1.212

polymer content	free, clear
MEHQ	180 - 220 ppm
di-N-propylamine	0.1 ppm maximum

Since the vinylidene chloride used to prepare various copolymers for food packaging applications is distilled to remove the MEHQ inhibitor, the VDC used in this study was distilled to bring the residual MEHQ into the range of 1-5 ppm.

A one-pint sample of the distilled VDC was kept in a freezer at minus 15-20°C until used up or extensive polymerization had occurred, whereupon a fresh sample of the current distilled production material was obtained. Aliquots of most of these samples were submitted to the Dow Analytical Laboratory for analysis. The samples were checked for their content of vinyl chloride, trans-1,2-dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloroethane and MEHQ (monomethyl ether of hydroquinone) using a Dow standard gas chromatographic procedure.

Analysis of Drinking Water. Analyses of the daily preparations of water solutions for their VDC content were conducted 16 times during the first 90 days of the study then 19 times at periodic intervals during the remainder of the test period.

The water solutions were analyzed using a gas chromatograph under the following conditions:

Column:	1/4" Porapak Q, 80-100, 6 ft.
Oven Temperature:	180°C
Detector:	dual flame ionization
Carrier gas:	helium
Flow rate:	20 ml/min.
Attenuation:	80
Sample Volume:	4-5 µl (normalized to 1 µl)

The chromatograms obtained were compared with those from standard solutions of vinylidene chloride to determine the concentrations in the test solutions.

The means ± S.D. of these analyses were 68±21 ppm, 99±22 ppm, and 206±33 ppm for the respective nominal intended concentrations of 50, 100 and 200 ppm VDC.

General Design. The design of this 2-year study is indicated in tabular form below.

Design of the 2 Year Study Incorporating Vinylidene Chloride in the Drinking Water of Rats

Number of Rats: 80/sex for controls
48/sex/dose level of VDC[1]

Dose Levels: 50, 100, 200 ppm (nominal)

Equivalent Range: 5-12, 8-20, 16-40 mg/kg/day[2]

Parameter	Days on Test			
	180	365	540	730
Hematology*	XXX	XXX	XXX	XXX
Urinalysis*	XXX	XXX	XXX	XXX
Clinical Chemistry**	XXX	XXX	XXX	XXX
Necropsy				XXX
Ophthalmologic Exam				XXX
Organ Weights				XXX
Histopathology				XXX

*5/sex/group
**5/sex/group at 180, 365 and 540 days (orbital bleeding) and 10/sex/group at 730 days.

[1]One male rat in the 200 ppm dose level was lost sometime between days 624 and 652 and is therefore excluded from the pathology data. As of day 624 this rat did not show any evidence of tumor formation or other adverse effects.

[2]Dosages selected approximate 5,000-12,000, 8,000-20,000 and 16,000-40,000 times the amount of vinylidene chloride that would be ingested by a 75 kg person on a daily diet of 1,500 grams, assuming all the food was contained in food packages containing the compound and migration was 50 ppb into the food.

Sprague-Dawley, Spartan substrain, SPF-derived rats, 6-7 weeks old, were used in this study. The rats were randomly housed in suspended wire-bottomed cages with two rats per cage and

then grouped as indicated for the various treatments. Food (ground laboratory chow, Ralston-Purina Co.) and water were available ad libitum. Water was supplied from glass bottles with specially devised plastic screw caps fitted with stainless steel sipper tubes containing stainless steel balls. The bottles were emptied and refilled each day from freshly prepared stock solutions. Because of the volatility of VDC, the concentrations of the stock solutions were made up to exceed the nominal concentrations so that the mean levels during the 24 hours would be as near as possible to the nominal treatment concentrations.

Observations and Records. The rats were observed at least twice weekly for signs of toxicity and evidence of tumor formation. Food consumption was recorded twice weekly for the animals in 5 cages/sex/group for the first 3 months of the test and then for 25 cages/sex for the controls and 14 cages/sex/treatment level 2 times during one week per month for the remainder of the study in so far as the number of surviving animals would permit. Water consumption, for the animals in the same cages for which food consumption was recorded, was determined daily for the first 3 weeks, then 2 times per week for the next 12 weeks, and twice during one week of each month thereafter. Body weights were recorded weekly for the first 14 weeks and then monthly thereafter.

Clinical Studies. Hematological studies[a], including determinations of packed cell volume (PCV), erythrocyte count (RBC), hemoglobin concentration (Hgb), total (WBC) and differential leucocyte counts, were conducted on days 181-2, 365, 540 and 701-2 on blood samples from at least 5 rats/sex/group. Urine samples were obtained from these same rats at the time that the hematological samples were taken. Urinalyses[b] that included determination of specific gravity, pH, sugar, protein, ketones, occult blood and bilirubin were run on the urine samples.

Clinical chemistry studies were conducted on blood collected by orbital sinus puncture from 5 rats/sex/group on days 181, 184, 366, 541, and from 10 rats/sex/group on day 707. These determinations were also conducted on blood samples obtained at the necropsy on days 730 and 731 from 10 rats/sex/group or from all survivors for those groups having less than 10 animals remaining. The clinical chemistry parameters[c]

---

[a]PCV-Microhematocrit Centrifuge, Clay-Adams Company, New York; RBC, WBC counts, Hgb - Coulter Counter Model 2B1 and hemoglobinometer, Coulter-Electronics, Hialea, Florida.

[b]Specific gravity - T.S. Meter, American Optical Company, Buffalo, New York; pH, sugar, protein, ketones, bilirubin, and occult blood - Bililabstix, Ames Company, Elkhart, Indiana.

[c]BUN, AP, SGPT and Glucose - AA Methods File N-IC, AAII-06, AAII-22 and N-2B respectively, Technicon Instruments Corporation, Tarrytown, N.Y.

evaluated included blood urea nitrogen (BUN), serum alkaline phosphatase activity (AP), serum glutamic pyruvic transaminase activity (SGPT), and glucose concentration.

Necropsy and Pathology. During the 24 month experimental period every effort was made to examine and select the rats for submission to autopsy prior to their natural death so as to minimize the amount of postmortem autolysis. Whether the rats died spontaneously, were selectively culled from the study, or killed at termination of the study, a complete gross pathologic examination was performed and tissues were saved in buffered 10% formalin. Histologic examination of tissues was conducted to evaluate the probable cause of death, to establish the cause of the clinical appearance used as a basis to cull the rat, and to evalute chronic toxicity changes and any tumor-like process.

At termination of the study, 730 days for females and 731 days for males, all rats were fasted overnight prior to autopsy. A fasting body weight was taken prior to killing the rats by decapitation. Organ weights of brain, heart, liver, kidney, and testes were measured. A complete set of the following tissues, whenever possible, was saved in buffered 10% formalin from the rats which died spontaneously, were selectively culled, or were alive at termination of the study.

REPRESENTATIVE TISSUE SPECIMENS OBTAINED AT AUTOPSY FROM ALL ANIMALS

- esophagus
- salivary glands
- stomach
- large intestine
- pancreas
- liver
- kidneys
- urinary bladder
- prostate
- accessory sex glands
- epididymides
- testes
- ovaries
- oviducts[a]
- uterus
- mammary tissue (females)
- brain
  - cerebrum
  - cerebellum
  - brain stem
- pituitary gland
- spinal cord
- peripheral nerve
- trachea
- lungs (bronchi)
- nasal turbinates
- sternum and sternal bone marrow[b]
- spleen
- mediastinal lymphoid tissue[a] (thymus, mediastinal lymph nodes)
- lymph nodes (mesenteric)
- heart
- aorta
- skeletal muscle
- adrenal glands
- thyroid gland
- parathyroid gland[a]
- adipose tissue
- skin
- any gross lesion or mass

[a]These tissues were evaluated histologically only to the extent that they were included in the routine sections of adjacent larger organs.

[b]Sternum and enclosed bone marrow were to be evaluated histologically only if indicated by abnormal findings in the hematological studies.

The formalin-fixed tissues were prepared by routine histological procedures. They were embedded in embedding medium, sectioned (5-6 μ), and stained with hematoxylin and eosin for evaluation by light microscopy. Whenever necessary for differential diagnosis of selected tissues, special staining procedures were used according to those outlined in the AFIP manual on histological techniques (2). Histologic examination was made of complete sets of tissues, whenever possible, from control and top dose rats. Selected target organs and grossly recognized tumorous changes in animals of the middle and low dose groups were also examined microscopically. The number of organs and tissues prepared and examined by light microscopy from the various dose levels are presented in Tables 15 and 20 for male and female rats, respectively. All tumor or tumor-like lesions recognized at autopsy and recognizable in formalin-fixed tissues were specifically selected for histopathologic evaluation. In addition, the tissues listed in Tables 15 and 20 were evaluated for chronic pathologic alterations to ascertain whether a treatment related effect was present.

Statistical Evaluation of Data. Hematology, clinical chemistry, food consumption, water consumption, body weight and organ weight data were evaluated statistically using an analysis of variance with the treatment means being compared

to the control means using Dunnett's test (Steel and Torrie, 1960) (4). The mortality data were analyzed using the Fisher Exact Probability Test (Siegel, 1956) (3). The Fisher Exact Probability Test was also used to evaluate the significance of differences in the incidence of tumorous and non-tumorous lesions between groups and sexes. Statistical evaluations of the microscopic observations for animals of the 50 and 100 ppm treatment groups were performed only when the number of tissues examined were comparable to those in the 200 ppm and control groups. The statistical evaluations of the pathologic observations were performed on the total cumulative values for the respective observations. The level of significance chosen for all cases was $p<0.05$.

RESULTS AND DISCUSSION

General Observations. The appearance and demeanor of the rats ingesting vinylidene chloride in their drinking water was not different from that of the controls throughout the study. The cumulative mortality is summarized in Figures 1 and 2 and in Tables 1 and 2. Mortality was significantly different from controls only at 22 months for the male rats on water containing 100 ppm VDC, and during the 24th month for the male rats on the 50 ppm level. There were no significant differences in mortality for any treatment

group, male or female, at any other time during the study.

Body Weights. Body weight determinations are summarized in Tables 3, A-1, and A-2. Body weight gains were similar for groups of treated rats and controls, with no dose related differences to suggest an effect of treatment.

Food Consumption. Food consumption data are summarized in Tables 4, A-3, and A-4. Only sporadic differences between treatment groups and controls were noted on occasion during the study, which were not dose related and appeared to be unrelated to VDC consumption. There were increases and decreases in food consumption, but no trends in either direction and no correlations with either dose or time on study.

Water Consumption. Data on water consumption are summarized in Tables 5, A-5, and A-6. The sporadic differences in water consumption occurring on occasion throughout the study were not dose-related or time-dependent and were considered to be unrelated to the concentration of VDC present. Both increases and decreases in consumption were found but with no trend in either direction.

Clinical Studies

Hematology. Results of hematologic studies are summarized

in Tables 6, A-7, and A-8. The statistically significant increase in WBC on day 181 for the male rats and the increased hemoglobin value on day 540 for the female rats, both on water containing 50 ppm, were considered to have no toxicological significance since the responses were not dose-related and were within the range of normal values for these parameters as determined in this laboratory for this strain of rat. No other statistically significant differences from control were observed.

Urinalyses. Summaries of the urinalyses are shown in Tables 7, 8, A-9, and A-10. The statistically significant increase in specific gravity on day 701 for the females on water containing 100 ppm was considered to be unrelated to treatment and of not toxicological significance. The value determined is well within the normal range for this strain of rat as determined in this laboratory. All other determinations indicated no differences between the animals on treatment and their corresponding controls.

Clinical Chemistry. The clinical chemistry parameters evaluated at six months, one year, 18 months, and 24 months are summarized in Tables 9 and A-11. The increased alkaline phosphatase activity evident in the high dose females at 181 days probably resulted from the fact that the rats were not

fasted overnight before taking the blood sample since it was not evident 3 days later when the test was repeated on blood from fasted animals. The statistically significant increase in BUN in the male rats on day 181 and 184 was within the normal range for this strain of rat and was not considered to be toxicologically significant. The increase noted in the BUN determination for the male rats of the 50 ppm group on day 707 was probably not due to ingestion of VDC since it did not occur in animals receiving higher levels of VDC. In addition, the increase was evident only in 3 out of the 9 animals of the group and is within the normal range for this strain of rat at this age.

Organ Weights. The mean organ weights, fasted body weights and organ to body weight ratios are summarized in Tables 10, A-12 and A-13. There were no significant differences in any of the means for the treatment groups when compared with the mean values for the corresponding control animals.

Pathology. The gross and histopathologic observations of nontumorous chronic pathologic lesions and those of a tumorous nature are presented in Tables 11 to 15 (males) and 16 to 20 (females). For easy reference to the pathologic observations the following is a list of these tables.

A large number of gross and microscopic lesions were recorded for the control and test rats. These lesions included the normal spectrum of spontaneously occurring age-related changes usually encountered in lifetime studies with this strain of rat. Statistical evaluation of the gross pathologic and histopathologic data revealed occasional observations which occurred statistically more or less frequently in a treatment group than in the respective control group. Observations that were statistically significantly different from the controls were as follows:

1. Decreased incidence of small white foci in the liver in 100 ppm male rats (Table 11).

2. Decreased incidence of red subcapsular foci in the liver in 100 ppm male rats (Table 11).

3. Decreased incidence of diffuse darkened areas throughout the lung in 200 ppm male rats (Table 11).

4. Increased incidence of renal cysts not directly identified with chronic renal disease in 50 ppm male rats (Table 11).

5. Increased incidence of moderate to severe depletion of adipose tissue within the abdominal cavity in 50, 100, and 200 ppm male rats (Table 11).

6. Increased incidence of the gastrointestinal tract being devoid of feed or feces in 100 and 200 ppm male rats (Table 11).

7. Decreased incidence of centrilobular hepatocellular atrophy in 50 ppm male rats (Table 12).

8. Decreased incidence of hepatocellular atrophy without fatty change in 200 ppm male rats (Table 12).

9. Increased incidence of periportal hepatocellular hypertrophy in 200 ppm male rats (Table 12).

10. Increased incidence of hepatocellular atrophy with fatty change in 200 ppm male rats (Table 12).

11. Increased incidence of centrilobular hepatocellular fatty degeneration in 200 ppm male rats (Table 12).

12. Increased incidence of the total number of rats with hepatocellular fatty change or fatty degeneration in 200 ppm male rats (Table 12).

13. Decreased incidence of focal subepithelial mononuclear inflammatory cell infiltrate in the trachea of 50, 100, and 200 ppm male rats (Table 12).

14. Decreased incidence of focal alveolar histiocytosis in lungs of 100 and 200 ppm male rats (Table 12).

15. Increased incidence of focal atrophy of the panc ic acinar tissue in 50 ppm male rats (Table 12).

16. Increased incidence of a minimal degree of focal myocardial degeneration and fibrosis in 200 ppm male rats (Table 12).

17. Decreased incidence of a severe degree of focal myocardial degeneration and fibrosis in 200 ppm male rats (Table 12).

18. Increased incidence of atrophy of mediastinal adipose tissue in 100 ppm male rats (Table 12).

19. Increased incidence of atrophy of the mediastinal lymphoid tissue in 50 ppm male rats (Table 12).

20. Increased incidence of atrophy of the mesenteric lymph nodes in 200 ppm male rats (Table 12).

21. Decreased incidence of pancreatic nodules in 100 ppm male rats (Table 13).

22. Increased incidence of decreased size of liver in 200 ppm female rats (Table 14).

23. Decreased incidence of red subcapsular foci in the liver in 50, 100, and 200 ppm female rats (Table 16).

24. Increased incidence of moderate to severe depletion of adipose tissue within the abdominal cavity in 200 ppm female rats (Table 16).

25. Increased incidence of centrilobular hepatocellular atrophy in 200 ppm female rats (Table 17).

26. Increased incidence of periportal hepatocellular hypertrophy in 100 and 200 ppm female rats (Table 17).

27. Increased incidence of hepatocellular fatty change with location in lobule not specified in 50, 100, and 200 ppm female rats (Table 17).

28. Increased incidence in periportal hepatocellular fatty change in 200 ppm female rats (Table 17).

29. Increased incidence in the total number of rats with hepatocellular fatty change or fatty degeneration in 50, 100, and 200 ppm female rats (Table 17).

30. Decreased incidence of focal vascular sinusoid dilatation in the liver of 50 and 100 ppm female rats (Table 17).

31. Decreased incidence of focal subepithelial mononuclear inflammatory cell infiltrate in the trachea of 100 ppm female rats (Table 17).

32. Decreased incidence of multifocal mononuclear cell infiltrate in the kidneys of 50 ppm female rats (Table 17).

33. Decreased incidence of focal granulomatous inflammation without a foreign body present in the tongue of 200 ppm female rats (Table 17).

34. Increased incidence of a minimal degree of focal myocardial degeneration and fibrosis in 50 ppm female rats (Table 17).

35. Increased incidence of hematocyst formation of the adrenal cortex in 100 ppm female rats (Table 17).

36. Increased incidence in pituitary gland adenoma in 50 ppm female rats (Table 19).

Of the statistically significant deviations observed in this study, only those affecting the liver were considered treatment related. The hepatic treatment-related lesion recognized only upon microscopic examination of the liver was characterized by fatty change or fatty degeneration. This change was found in female rats of the 50, 100 and 200 ppm groups, and in males of the 200 ppm group. Although the incidence of the liver lesion in the males in the 100 ppm group was not statistically significantly increased, a trend towards an increased incidence was observed. No treatment-related liver lesions were recognized in the 50 ppm group of male rats. Additional microscopic hepatic lesions that were seen

in treated rats with an increased incidence were characterized by centrilobular hepatocellular atrophy or periportal hepatocellular hypertrophy. Treatment-related hepatocellular necrosis was not a significant finding in either male or female rats.

The presence of the other statistically significant deviations were considered within the normal variation encountered in lifetime studies with this strain of rat. The high incidence of spontaneously occurring advanced chronic renal disease in male rats of this strain is the primary cause for their spontaneous death or reason for being culled from the study (Table 12). Most of these rats also exhibit other chronic organ system lesions associated with the chronic renal failure and a uremic state.

The female rat of this strain has a high spontaneous incidence of subcutaneous masses involving mammary tissue and changes in the endocerine glands. Both of these changes contribute to the death of these animals or their being culled from the study. The number, location, and size of the masses in the mammary region frequently results in pressure necrosis, ulceration, and subsequent hemorrhage that may result in death. Secondary changes related to hemorrhage and anemia are frequently seen in the heart,

lungs, liver and spleen of rats which do not die acutely due to blood loss.

In view of the incidence of the nontumorous spontaneously occurring lesions in this study and in other lifetime studies of this rat strain, the occasionally observed statistically significant deviations, other than in the liver, were not considered treatment related.

Evaluation of the tumor data reveals no statistically significantly increased or decreased incidence for any type of tumor in male rats (Table 14). In the females the only statistically significant deviation in tumor incidence involved the pituitary gland. Pituitary gland adenoma was found in the 50 ppm group at a significantly increased incidence. Because of the variable incidence of this tumor and its presence only in the lowest treatment group rather than the highest treatment group, it was not considered treatment related (Table 19). The chronic hepatocellular lesions observed in this study did not result in a tumorigenic effect in the liver as is evidenced in Table 14 (males) and Table 19 (females).

The total incidence of histopathologically diagnose[illegible]-plasms, benign plus malignant, derived from Table 14 (males)

and Table 19 (females) is as follows:

Concentration of VDC in water (ppm)	Total Number of Neoplasms		Total Number Rats in Group		Average Number of Neoplasms/rat in Group	
	Male	Female	Male	Female	Male	Female
0	128	186	80	80	1.6	2.3
50	65	131	48	48	1.4	2.7
100	54	116	48	48	1.1	2.4
200	68	124	47	48	1.4	2.6

It is evident from the tumor data presented in these tables that no target organ was found that showed a tumorigenic effect which was considered treatment related. In addition, the total tumor incidence in male and female rats in the various treatment groups was not considered different than in the controls.

SUMMARY AND CONCLUSIONS

In this 2-year study with rats maintained on drinking water containing vinylidene chloride there were no significant differences between the treatment groups and the corresponding control groups in the following parameters: appearance and demeanor, mortality, body weight, food consumption, water consumption, hematology, urinalysis, clinical chemistry determinations, organ weights and organ to body weight

ratios. Gross pathologic and histopathologic observations showed both increases and decreases in the incidence of various nontumorous lesions in both sexes. Of the statistically significant deviations that were seen, only those affecting the liver were considered to be treatment-related. The treatment-related lesion of the liver, evident only upon microscopic examination, was characterized by fatty change or fatty degeneration. It occurred in the females at all dose levels and in the males only at the high dose level, with a similar trend in the 100 ppm males which was not statistically significant. However, treatment-related hepatocellular necrosis was not a significant finding in either male or female rats and there was no evidence that these lesions resulted in a tumorigenic effect in the liver. All other statistically significant deviations were considered to be within the normal variation encountered in lifetime studies with this strain of rat.

The only statistically significant tumorous changes detected, i.e., the decrease in pancreatic nodules in male rats of the 100 ppm treatment level and the increase in pituitary adenomas in the females of the 50 ppm treatment level, were considered to be not treatment related.

The total tumor incidence in male and female rats in the various treatment groups was not different than in the controls. Furthermore, no target organ was found that showed a treatment-related tumorigenic effect. Thus, the results of this 2-year study do not indicate an oncogenic effect for vinylidene chloride ingested by rats.

REFERENCES

(1) Confidential survey by Christine C. Rostron.

(2) Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology, Third Edition (1960), Edited by Lee G. Luna, HI(ASCP), McGraw-Hill Book Company, Inc., New York, N.Y.

(3) Siegel, S. (1956). Non-Parametric Statistics for the Behavioral Sciences, McGraw-Hill Book Company, Inc., New York, N.W.

(4) Steele, R.C.D. and Torrie, H. H. (1960). Principles and Procedures of Statistics, McGraw-Hill Book Company, Inc., New York, N.Y., pp. 101-112.

Written By:

C G Humiston — Date: 12-19-77

C. G. Humiston, Ph.D.
Research Specialist
Toxicology Research Laboratory

J. F. Quast — Date: 19 Dec. 77

J. F. Quast, D.V.M., Ph.D.
Diplomate, American College of
Veterinary Pathologists
Research Specialist, Pathologist
Toxicology Research Laboratory

C. E. Wade — Date: 12-19-77

C. E. Wade
Research Biologist
Toxicology Research Laboratory

J. Ballard — Date: 12-19-77

J. Ballard, H.T. (ASCP)
Histologist
Toxicology Research Laboratory

J. E. Beyer — Date: 12-19-77

J. E. Beyer, B.S.
Medical Technologist
Toxicology Research Laboratory

R. W. Lisowe — Date: 12-19-77

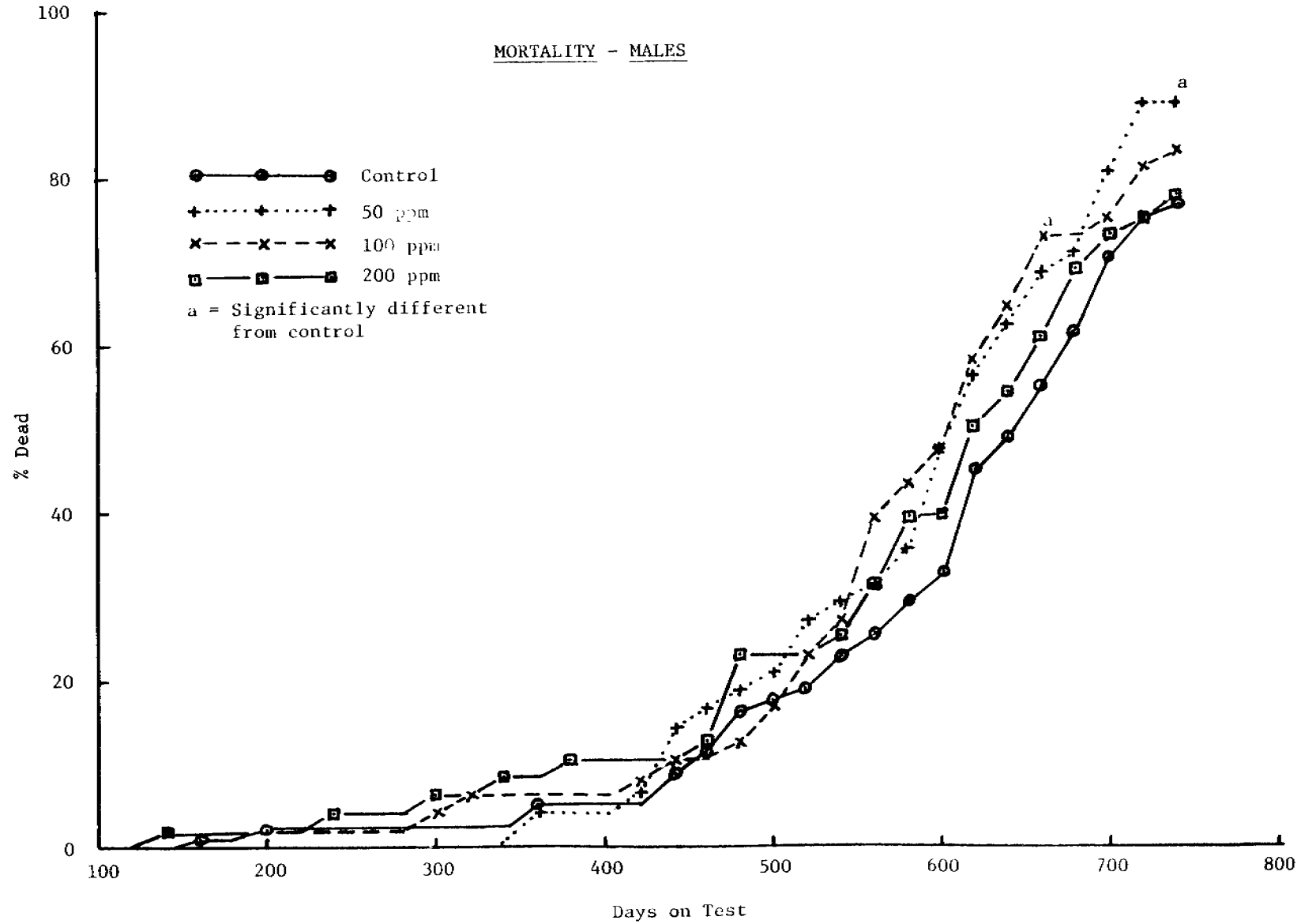
R. W. Lisowe, H.T. (ASCP)
Research Histologist
Toxicology Research Laboratory

Approved By:

BA Schwetz — Date: 19 Dec 77

B. A. Schwetz, D.V.M., Ph.D.
Research Manager
Toxicology Research Laboratory

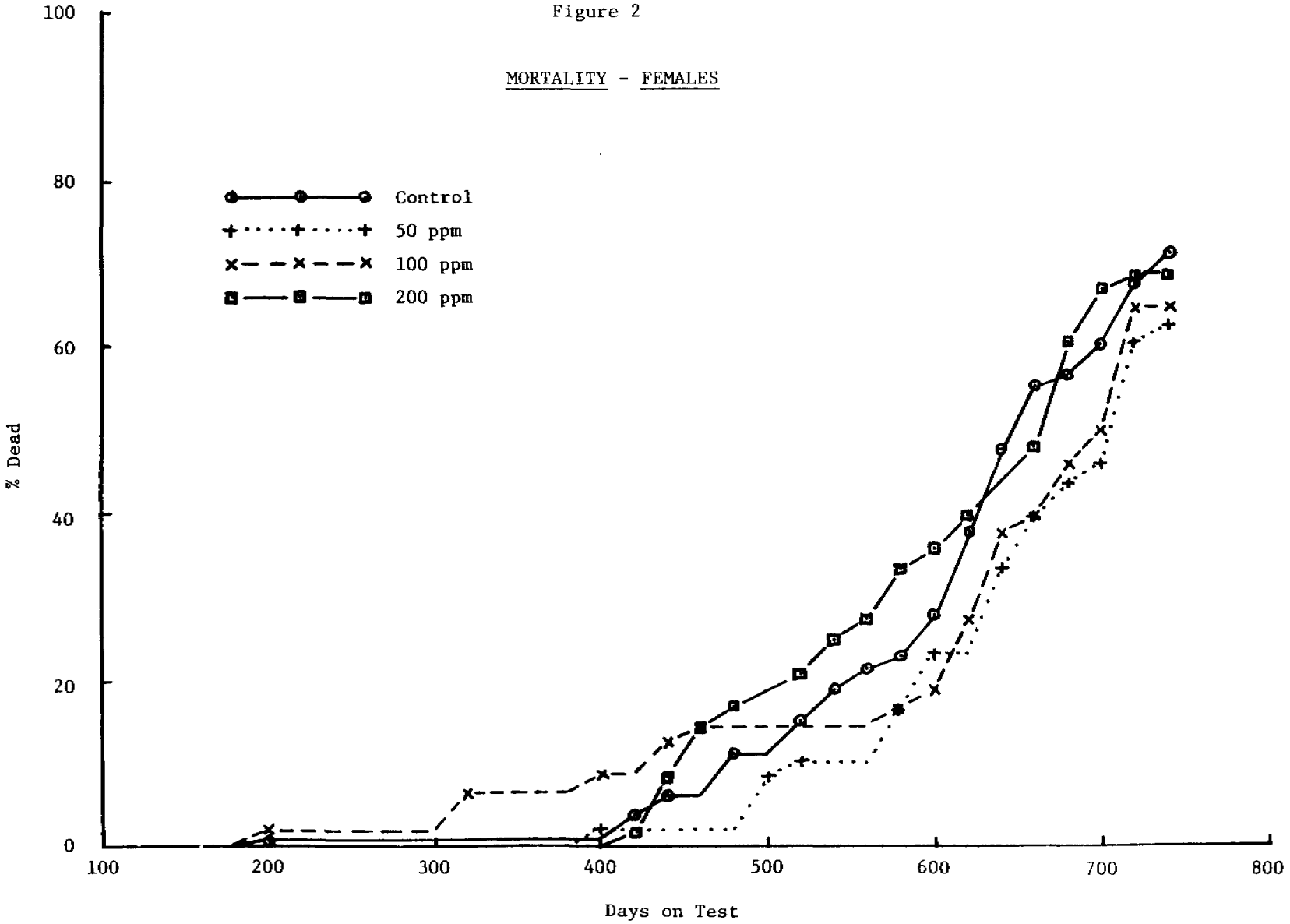
Figure 1



SL 081992

Figure 2

MORTALITY - FEMALES



SL 081993

TABLE 1

Cumulative Mortality Data of Male Rats Maintained For 2 Years On Drinking Water Containing Vinylidene Chloride

Months on Study	Control No. Dead (% Dead)	50 ppm No. Dead (% Dead)	100 ppm No. Dead (% Dead)	200 ppm No. Dead (% Dead)
No. of Rats on Day 0	80	48	48	48
1	0 (0)	0 (0)	0 (0)	0 (0)
2	0 (0)	0 (0)	0 (0)	0 (0)
3	0 (0)	0 (0)	0 (0)	1 (2.1)
4	0 (0)	0 (0)	0 (0)	1 (2.1)
5	0 (0)	0 (0)	1 (2.1)	2 (4.2)
6	1 (1.3)	0 (0)	1 (2.1)	2 (4.2)
7	2 (2.5)	0 (0)	1 (2.1)	2 (4.2)
8	2 (2.5)	0 (0)	1 (2.1)	3 (6.3)
9	2 (2.5)	0 (0)	1 (2.1)	3 (6.3)
10	2 (2.5)	0 (0)	2 (4.2)	4 (8.3)
11	2 (2.5)	0 (0)	3 (6.3)	4 (8.3)
12	4 (5.0)	2 (4.2)	3 (6.3)	5 (10.4)
13	4 (5.0)	2 (4.2)	3 (6.3)	6 (12.5)
14	4 (5.0)	3 (6.3)	4 (8.3)	6 (12.5)
15	7 (8.8)	7 (14.6)	5 (10.4)	6 (12.5)
16	13 (16.3)	9 (18.8)	6 (12.5)	12 (25.0)
17	15 (18.8)	13 (27.1)	11 (22.9)	12 (25.0)
18	18 (22.5)	14 (29.2)	13 (27.1)	15 (27.1)
19	20 (25.0)	15 (31.3)	19 (39.6)	16 (33.3)
20	26 (32.5)	23 (47.9)	23 (47.9)	20 (41.7)
21	39 (48.8)	30 (62.5)	31 (64.6)	27 (56.3)
22	44 (55.0)	33 (62.5)	35 (72.9)*	30 (63.8)
23	56 (70.0)	39 (81.3)	36 (75.0)	26 (76.6)
24	61 (76.3)	43 (89.6)*	40 (83.3)	38 (80.9)

*Significantly different from the control by Fisher s Exact Probability test, $p<0.05$.

SL 081994

TABLE 2

Cumulative Mortality Data of Female Rats Maintained For 2 Years
On Drinking Water Containing Vinylidene Chloride

Months on Study	Control No. Dead (% Dead)	50 ppm No. Dead (% Dead)	100 ppm No. Dead (% Dead)	200 ppm No. Dead (% Dead)
No. of Rats on Day 0	80	48	48	48
1	0 (0)	0 (0)	0 (0)	0 (0)
2	0 (0)	0 (0)	0 (0)	0 (0)
3	0 (0)	0 (0)	0 (0)	0 (0)
4	0 (0)	0 (0)	0 (0)	0 (0)
5	0 (0)	0 (0)	0 (0)	0 (0)
6	0 (0)	0 (0)	0 (0)	0 (0)
7	1 (1.3)	0 (0)	1 (2.1)	0 (0)
8	1 (1.3)	0 (0)	1 (2.1)	0 (0)
9	1 (1.3)	0 (0)	1 (2.1)	0 (0)
10	1 (1.3)	0 (0)	1 (2.1)	0 (0)
11	1 (1.3)	0 (0)	3 (6.3)	0 (0)
12	1 (1.3)	0 (0)	3 (6.3)	0 (0)
13	1 (1.3)	1 (2.1)	4 (8.3)	0 (0)
14	3 (3.8)	1 (2.1)	4 (8.3)	1 (2.1)
15	5 (6.3)	1 (2.1)	6 (12.5)	4 (8.3)
16	9 (11.3)	1 (2.1)	7 (14.6)	7 (14.6)
17	12 (15.0)	5 (10.4)	7 (14.6)	10 (20.8)
18	15 (18.8)	5 (10.4)	7 (14.6)	12 (25.0)
19	18 (22.5)	8 (16.7)	8 (16.7)	16 (33.3)
20	22 (27.5)	11 (22.9)	9 (18.8)	18 (37.5)
21	38 (47.5)	16 (33.3)	18 (37.5)	19 (39.6)
22	44 (55.0)	19 (39.6)	19 (39.6)	23 (47.9)
23	48 (60.0)	22 (45.8)	24 (50.0)	32 (66.7)
24	57 (71.3)	30 (62.5)	31 (64.6)	33 (68.8)

TABLE 3

MEAN BODY WEIGHTS[a] FOR MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) AND 731(M) DAYS

Days on Test	Dose Level (ppm) MALES 0	50	100	200	FEMALES 0	50	100	200
0	249 ± 12	255 ± 18	258 ± 11	254 ± 15	199 ± 11	189 ± 5	191 ± 12	190 ± 12
7	307 ± 15	305 ± 20	319 ± 9	307 ± 18	222 ± 10	212 ± 7	213 ± 9	217 ± 7
14	348 ± 12	346 ± 21	368 ± 12	349 ± 19	243 ± 14	± 8	236 ± 13	240 ± 9
21	371 ± 15	372 ± 29	390 ± 27	373 ± 20	255 ± 15	237 ± 8	235 ± 11*	251 ± 10
28	392 ± 16	394 ± 34	424 ± 18	398 ± 21	268 ± 14	252 ± 7	254 ± 14	263 ± 8
35	408 ± 20	389 ± 18	442 ± 19	410 ± 24	271 ± 15	250 ± 14	257 ± 16	266 ± 10
42	420 ± 14	416 ± 33	454 ± 20	418 ± 27	276 ± 13	246 ± 25	262 ± 13	269 ± 12
49	429 ± 20	433 ± 35	473 ± 26	436 ± 25	284 ± 15	255 ± 30	270 ± 18	278 ± 12
56	436 ± 19	443 ± 38	482 ± 21*	444 ± 27	285 ± 15	271 ± 6	274 ± 18	279 ± 11
63	450 ± 21	456 ± 40	493 ± 25	450 ± 25	291 ± 22	270 ± 20	277 ± 18	288 ± 10
70	458 ± 25	463 ± 40	496 ± 31	437 ± 56	297 ± 13	279 ± 10	281 ± 17	291 ± 11
77	463 ± 31	472 ± 38	504 ± 31	469 ± 25	300 ± 15	282 ± 10	282 ± 15	297 ± 11
84	457 ± 48	477 ± 44	500 ± 34	469 ± 30	304 ± 13	268 ± 9*	278 ± 21*	298 ± 8
91	484 ± 28	485 ± 36	516 ± 33	484 ± 27	307 ± 14	289 ± 10	279 ± 14*	305 ± 11
97	487 ± 32	480 ± 46	519 ± 32	498 ± 20	318 ± 16	286 ± 19*	290 ± 21	310 ± 13
100	468 ± 41	468 ± 39	480 ± 51	479 ± 42	296 ± 21	291 ± 17	291 ± 18	289 ± 19
139	511 ± 44	526 ± 40	543 ± 59	529 ± 44	322 ± 23	317 ± 23	314 ± 15	322 ± 17
181	540 ± 46	537 ± 45	549 ± 58	549 ± 51	329 ± 26	320 ± 19	321 ± 24	322 ± 24
210	548 ± 51	555 ± 47	566 ± 57	550 ± 51	334 ± 25	332 ± 22	329 ± 24	324 ± 24
238	569 ± 52	561 ± 47	569 ± 58	574 ± 51	341 ± 27	339 ± 22	339 ± 26	333 ± 22
266	577 ± 56	578 ± 49	592 ± 61	574 ± 52	352 ± 28	347 ± 26	349 ± 29	342 ± 27
294	592 ± 57	579 ± 49	594 ± 58	596 ± 63	351 ± 29	346 ± 24	351 ± 46	345 ± 29
330	592 ± 58	587 ± 51	603 ± 53	602 ± 56	357 ± 32	353 ± 26	352 ± 30	356 ± 37
357	604 ± 61	594 ± 49	607 ± 55	622 ± 61	356 ± 47	354 ± 30	353 ± 30	358 ± 37
385	607 ± 61	591 ± 48	606 ± 50	615 ± 58	362 ± 36	361 ± 48	354 ± 33	360 ± 45
413	615 ± 72	606 ± 50	610 ± 56	624 ± 61	374 ± 43	368 ± 39	364 ± 34	375 ± 52
441	624 ± 58	611 ± 48	612 ± 55	616 ± 61	379 ± 44	374 ± 47	363 ± 35	378 ± 48
469	619 ± 62	617 ± 44	609 ± 51	612 ± 55	391 ± 50	404 ± 61	386 ± 42	388 ± 49
472	625 ± 61	602 ± 51	603 ± 68	618 ± 69	386 ± 50	381 ± 55	367 ± 38	380 ± 51
497	633 ± 58	602 ± 58*	608 ± 65	628 ± 57	393 ± 62	382 ± 54	373 ± 42	389 ± 62
533	618 ± 60	602 ± 49	596 ± 56	609 ± 56	370 ± 80	383 ± 43	378 ± 48	391 ± 69
568	615 ± 65	588 ± 82	591 ± 60	588 ± 73	410 ± 73	394 ± 47	391 ± 59	389 ± 67
596	621 ± 81	581 ± 63	593 ± 69	583 ± 83	426 ± 94	404 ± 76	414 ± 96	411 ± 97
624	610 ± 59	588 ± 61	586 ± 73	590 ± 67	417 ± 86	415 ± 72	407 ± 61	413 ± 60
652	617 ± 57	588 ± 45	600 ± 84	589 ± 57	421 ± 83	419 ± 77	417 ± 76	422 ± 80
689	586 ± 54	562 ± 26	581 ± 84	584 ± 77	419 ± 82	415 ± 79	422 ± 90	433 ± 88
715	566 ± 44	514 ± 83	535 ± 123	554 ± 80	401 ± 88	384 ± 66	403 ± 94	450 ± 104
729	563 ± 58	560 ± 48	551 ± 107	566 ± 74	412 ± 79	400 ± 78	432 ± 110	444 ± 98

[a]Each value represents mean ± S.D. for a minimum of 5 animals in the first 100 days and all animals thereafter.

*Statistically significantly different from control mean by Dunnett's test, $p<0.05$.

TABLE 4

MEAN DAILY FOOD CONSUMPTION IN GRAMS/RAT/DAY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) OR 731 (M) DAYS[a]

Days on Test	Dose Levels (ppm)							
	Males				Females			
	0	50	100	200	0	50	100	200
0-3	24 ± 1	25 ± 2	25 ± 2	25 ± 1	19 ± 1	20 ± 2	21 ± 3	21 ± 4
3-7	27 ± 2	26 ± 2	28 ± 2	26 ± 2	21 ± 2	20 ± 2	22 ± 2	20 ± 1
7-10	26 ± 2	26 ± 2	28 ± 1	25 ± 3	20 ± 1	18 ± 1	19 ± 1	19 ± 3
10-14	28 ± 1	27 ± 2	29 ± 1	27 ± 3	20 ± 2	18 ± 2	19 ± 1	19 ± 1
14-17	27 ± 2	26 ± 3	29 ± 1	27 ± 3	20 ± 1	20 ± 1	18 ± 2	18 ± 2
17-21	27 ± 2	25 ± 2	27 ± 2	26 ± 3	21 ± 2	19 ± 2	19 ± 1	19 ± 2
21-24	26 ± 3	26 ± 3	28 ± 1	25 ± 3	19 ± 2	19 ± 2	19 ± 2	19 ± 2
24-28	27 ± 4	26 ± 3	28 ± 1	25 ± 3	20 ± 1	20 ± 1	19 ± 1	19 ± 1
28-31	26 ± 3	27 ± 4	28 ± 1	25 ± 3	20 ± 1	22 ± 6	19 ± 2	19 ± 2
31-35	26 ± 2	24 ± 1	29 ± 1	26 ± 2	20 ± 1	19 ± 2	19 ± 1	19 ± 1
35-38	25 ± 1	27 ± 5	27 ± 2	29 ± 4	20 ± 2	19 ± 6	18 ± 1	18 ± 0
38-42	27 ± 3	24 ± 1	29 ± 1	26 ± 3	21 ± 1	20 ± 2	19 ± 2	19 ± 1
42-45	25 ± 1	23 ± 10	27 ± 4	25 ± 1	19 ± 1	24 ± 4	18 ± 1	17 ± 1
45-49	28 ± 6	27 ± 4	28 ± 2	25 ± 3	20 ± 1	22 ± 4	20 ± 2	21 ± 2
49-52	21 ± 4	26 ± 3	27 ± 1*	24 ± 3	20 ± 2	22 ± 5	19 ± 2	18 ± 1
52-56	24 ± 3	25 ± 3	26 ± 1	20 ± 3	18 ± 4	20 ± 5	18 ± 4	19 ± 2
56-59	28 ± 2	26 ± 8	27 ± 6	27 ± 2	21 ± 2	19 ± 1	17 ± 4	17 ± 3
59-63	26 ± 2	25 ± 4	27 ± 1	25 ± 3	23 ± 5	20 ± 2	21 ± 3	19 ± 1
63-66	30 ± 9	24 ± 6	26 ± 1	23 ± 3	22 ± 2	20 ± 2	21 ± 1	19 ± 1*
66-70	28 ± 2	28 ± 3	28 ± 1	24 ± 2	21 ± 1	21 ± 3	21 ± 1	19 ± 2
70-73	27 ± 2	25 ± 5	28 ± 5	25 ± 1	20 ± 2	19 ± 10	20 ± 2	20 ± 1
73-77	27 ± 3	24 ± 2	27 ± 1	24 ± 5	20 ± 1	20 ± 5	19 ± 1	18 ± 3
77-80	26 ± 2	25 ± 5	26 ± 1	25 ± 2	21 ± 1	20 ± 1	20 ± 2	19 ± 1
80-84	27 ± 3	28 ± 4	28 ± 1	26 ± 2	22 ± 2	25 ± 3	22 ± 1	21 ± 2
84-87	26 ± 2	27 ± 5	26 ± 1	24 ± 2	23 ± 2	20 ± 3	19 ± 1	19 ± 2*
87-91	27 ± 2	26 ± 2	27 ± 1	25 ± 2	20 ± 1	20 ± 1	19 ± 1	19 ± 1
91-94	26 ± 2	25 ± 3	26 ± 1	18 ± 2*	21 ± 1	20 ± 2	21 ± 6	19 ± 1
94-98	26 ± 1	26 ± 2	26 ± 1	23 ± 2	20 ± 1	20 ± 1	20 ± 3	17 ± 2
101-105	24 ± 4	25 ± 4	26 ± 4	24 ± 5	19 ± 2	20 ± 3	19 ± 3	19 ± 2
105-108	25 ± 2	25 ± 3	25 ± 3	23 ± 4	19 ± 2	20 ± 2	20 ± 3	19 ± 2
140-143	23 ± 3	25 ± 2	24 ± 3	23 ± 2	19 ± 2	19 ± 3	18 ± 2	18 ± 2
143-147	24 ± 4	25 ± 2	25 ± 4	23 ± 2	19 ± 1	19 ± 2	18 ± 2	18 ± 1
175-178	26 ± 7	26 ± 2	27 ± 6	24 ± 4	20 ± 4	19 ± 2	19 ± 2	19 ± 2
178-182	23 ± 1	24 ± 2	25 ± 4*	23 ± 2	19 ± 3	18 ± 2	18 ± 2	18 ± 2
206-210	24 ± 1	25 ± 2	26 ± 4*	25 ± 2	19 ± 2	18 ± 2	18 ± 2	18 ± 1
210-213	24 ± 1	25 ± 2	27 ± 4*	25 ± 2	20 ± 3	20 ± 3	19 ± 2	20 ± 4
234-238	24 ± 2	24 ± 2	26 ± 3*	25 ± 2	20 ± 3	19 ± 4	19 ± 2	19 ± 5
238-241	26 ± 2	26 ± 2	27 ± 3	26 ± 2	21 ± 4	27 ± 4*	21 ± 4	23 ± 6
262-266	25 ± 2	27 ± 1	28 ± 2*	26 ± 2	22 ± 5	20 ± 1	22 ± 2	21 ± 2
266-269	25 ± 2	25 ± 5	27 ± 2	26 ± 3	21 ± 2	19 ± 3	20 ± 3	19 ± 2
290-294	24 ± 2	25 ± 1	24 ± 3	24 ± 4	19 ± 2	19 ± 2	18 ± 3	18 ± 2
294-297	25 ± 2	25 ± 2	24 ± 4	25 ± 2	19 ± 2	18 ± 2	21 ± 8	18 ± 1
325-330	26 ± 2	26 ± 2	29 ± 9	26 ± 2	20 ± 2	21 ± 3	19 ± 3	20 ± 2
330-332	29 ± 4	33 ± 4	34 ± 4	31 ± 5	21 ± 3	22 ± 5	24 ± 7	22 ± 3
381-385	25 ± 2	25 ± 4	26 ± 3	25 ± 2	19 ± 2	19 ± 2	20 ± 2	19 ± 3
385-388	25 ± 3	27 ± 5	25 ± 3	24 ± 2	19 ± 3	19 ± 2	19 ± 3	20 ± 3
406-409	25 ± 5	25 ± 7	24 ± 6	23 ± 5	21 ± 7	19 ± 5	21 ± 4	18 ± 4
409-413	27 ± 2	28 ± 2	25 ± 5	26 ± 4	22 ± 6	21 ± 4	20 ± 3	21 ± 4
448-451	26 ± 3	29 ± 3*	27 ± 2	26 ± 4	22 ± 3	21 ± 3	23 ± 8	20 ± 1
451-455	26 ± 3	28 ± 3	27 ± 3	26 ± 2	22 ± 4	23 ± 5	21 ± 3	23 ± 6
469-472	23 ± 3	26 ± 5	24 ± 5	25 ± 2	19 ± 4	21 ± 6	18 ± 5	18 ± 2
472-476	24 ± 5	25 ± 3	26 ± 4	26 ± 2	20 ± 3	21 ± 4	22 ± 4	22 ± 6
498-500	26 ± 2	26 ± 6	28 ± 4	26 ± 2	22 ± 2	22 ± 4	24 ± 5	21 ± 3
500-504	25 ± 2	25 ± 3	26 ± 3	25 ± 2	20 ± 2	22 ± 6	22 ± 4	20 ± 3
532-535	25 ± 3	25 ± 4	24 ± 5	25 ± 4	ND	32 ± 3	ND	21 ± 5
535-539	25 ± 2	26 ± 3	22 ± 4	24 ± 4	31 ± 6	12 ± 2	ND	21 ± 2
546-549	22 ± 5	26 ± 4	26 ± 5	24 ± 4	19 ± 5	18 ± 4	20 ± 4	21 ± 8
563-567	23 ± 3	22 ± 5	21 ± 4	22 ± 4	18 ± 3	19 ± 2	19 ± 2	19 ± 3
595-598	22 ± 3	21 ± 5	20 ± 6	21 ± 6	22 ± 6	22 ± 7	21 ± 5	22 ± 8
623-626	27 ± 7	28 ± 4	26 ± 6	26 ± 6	25 ± 6	24 ± 6	27 ± 5	23 ± 10
651-654	23 ± 4	22 ± 8	19 ± 8	24 ± 8	26 ± 5	22 ± 6	23 ± 9	22 ± 4
686-689	24 ± 4	26 ± 5	24 ± 2	27 ± 4	22 ± 4	22 ± 5	22 ± 5	22 ± 4
714-717	25 ± 4	23 ± 6	25 ± 12	27 ± 6	21 ± 4	22 ± 6	24 ± 4	24 ± 2

[a]Each value represents mean ± S.D. for a minimum of 5 animals in the first 100 days and all animals thereafter.

ND = no data available.

*Statistically significantly different from control mean by Dunnett's test, $p<0.05$.

SL 081997

TABLE 5

MEAN DAILY WATER CONSUMPTION IN GRAMS/RAT/DAY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) OR 731(M) DAYS[a]

Days on Test	Dose Levels (ppm)							
	Males				Females			
	0	50	100	200	0	50	100	200
0-1	37±1	39±1	40±5	36±4	31±2	31±1	27±6	32±3
1-2	38±1	40±2	43±5	38±4	32±3	31±2	33±3	33±3
2-3	39±2	40±3	42±5	40±8	31±2	30±3	31±3	31±9
3-4	39±2	41±3	44±5	38±3	29±[illegible]	29±2	29±[illegible]	[illegible]
5-6	41±3	42±3	43±4	42±4	33±2	31±3	32±3	[illegible]
6-7	41±4	42±3	46±4	38±6	34±4	33±9	33±1	[illegible]
7-8	40±4	40±3	45±2	40±5	31±5	30±3	30±2	29±5
8-9	39±5	40±3	47±4	36±9	32±15	29±3	31±4	30±2
9-10	42±4	43±3	45±3	40±4	30±11	35±5	30±5	28±9
10-11	43±4	41±4	47±3	43±4	37±3	33±4	33±4	28±4
11-12	43±4	41±2	46±3	42±4	33±4	31±3	32±2	32±[illegible]
12-13	40±2	42±4	44±3	44±4	31±5	31±3	26±12	30±2
13-14	42±4	42±4	45±4	42±5	32±2	30±5	36±9	28±2
14-15	41±4	42±5	46±5	42±4	34±3	32±3	30±4	30±5
17-18	38±4	40±2	46±3*	38±6	33±5	30±3	32±3	29±[illegible]
18-19	39±5	38±4	42±4	38±4	28±6	27±5	29±2	28±[illegible]
19-20	38±5	42±3	45±3	31±11	37±8	28±2	28±[illegible]	27±9
20-21	38±5	38±9	43±3	39±4	34±2	28±1*	30±2	34±6
21-22	36±6	44±4	49±11*	39±7	36±4	30±3	34±5	30±3
23-24	38±6	43±4	43±4	36±4	34±2	29±4	32±3	30±4
27-28	37±3	39±7	43±4	37±5	31±1	30±3	31±3	31±3
30-31	40±2	42±5	44±6	41±7	32±4	31±5	36±12	31±3
34-35	39±2	33±8	45±4	39±6	34±3	30±10	31±3	31±3
37-38	38±3	42±4	44±5	35±5	33±4	30±11	32±2	30±4
41-42	38±2	42±8	43±3	35±5	33±2	27±4*	29±1	28±2*
44-45	39±2	41±4	40±2	36±4	37±2	33±7	34±5	31±5
48-49	38±4	44±9	42±5	38±5	35±2	28±11	34±7	34±4
51-52	37±2	42±3	46±4*	39±5	38±1	36±9	36±4	33±1
55-56	36±3	39±3	38±8	38±6	34±4	29±6	29±5	27±5
58-59	38±2	44±3*	45±4*	40±6	39±3	32±6	38±5	37±7
62-63	39±3	44±5	42±3	41±6	38±13	27±10	35±5	32±3
65-66	46±13	41±5	40±4	34±11	45±8	39±11	37±4	32±1*
69-70	40±3	43±3	45±4	41±5	41±5	36±8	37±5	33±4
72-73	36±15	40±8	48±13	45±3	42±4	39±4	42±14	35±3
76-77	42±5	47±9	47±6	41±6	40±7	34±3	34±4	34±4
79-80	51±16	44±4	46±6	40±7	43±6	35±5	38±7	33±6
83-84	41±2	44±5	51±7	43±7	43±6	43±5	40±9	35±5
86-87	39±3	45±8	46±4	43±6	41±5	34±8	37±4	42±6
90-91	42±3	47±8	46±6	47±13	45±4	36±3	35±13	39±10
93-94	ND	47±5	46±2	43±4	43±8	34±5	38±11	34±3
97-98	39±4	50±9*	46±4	38±7	43±4	28±9*	33±6	35±4
104-105	42±6	43±8	42±6	41±8	39±6	37±5	37±10	37±5
107-108	42±7	44±6	44±7	40±8	39±8	40±9	37±5	38±6
139-140	43±9	47±3	46±6	46±7	44±7	41±5	38±9	40±9
142-143	42±7	46±6	45±5	43±7	46±7	40±4	40±6	40±7*
174-175	45±7	46±5	49±11	46±9	41±8	40±6	43±7	41±7
177-178	46±8	47±4	44±12	47±7	49±10	42±6	40±7*	39±8*
209-210	44±6	46±6	49±6	46±7	44±7	41±6	41±9	39±10
212-213	41±5	44±5	43±5	44±7	42±9	39±3	41±4	39±7
237-238	48±8	37±6	47±6	46±5	44±9	41±5	44±6	39±10
240-241	49±6	47±7	47±7	50±6	46±7	59±14*	44±7	44±10
265-266	50±5	53±6	56±6*	54±8	53±8	45±7*	51±12	49±5
268-269	49±7	51±7	53±6	52±8	50±9	46±6	54±8	45±7
293-294	48±7	50±4	53±6	49±10	49±6	46±7	51±10	45±12
296-297	45±8	47±5	46±12	46±8	44±12	40±7	46±9	43±10
331-332	48±8	52±9	52±6	49±6	47±9	41±9	47±10	44±9
335-336	48±7	51±7	51±12	54±10	48±8	46±6	48±9	43±9
356-357	49±12	51±11	51±6	50±8	50±7	49±5	55±8	44±9
359-360	49±11	48±11	51±7	49±7	44±6	43±8	48±9	47±9
385-386	49±7	50±5	58±4	50±7	47±6	46±6	49±9	48±11
387-388	48±7	50±6	51±15	50±5	47±8	46±7	50±12	45±7
412-413	37±11	56±8*	50±10*	46±9*	53±9	55±7	52±19	49±10
415-416	51±9	54±7	53±7	53±8	48±10	50±15	57±11	49±8
440-441	55±4	58±7	62±9	51±12	53±13	47±9	55±12	52±13
443-444	54±9	55±11	61±10	51±8	52±15	49±6	50±15	48±8
468-469	49±12	53±11	61±12*	51±13	50±12	46±10	59±10*	48±8
471-472	47±13	53±12	56±12	56±11	48±10	48±7	52±12	51±11
499-500	61±12	63±13	73±15*	70±13	55±9	50±7	61±12	55±10
503-504	66±17	61±20	68±14*	69±16	54±12	49±7	63±13	52±9
538-539	66±10	67±14	64±12	69±14	58±9	52±8	62±19	55±13
541-542	61±13	63±14	62±14	65±15	58±12	55±10	64±12	59±11
566-567	67±14	60±10	67±21	65±19	59±14	52±12	66±15	56±13
569-570	68±14	61±16	67±18	65±12	59±11	54±10	60±18	56±9
594-595	75±12	71±14	68±15	66±18	58±14	60±13	58±16	60±18
597-598	66±16	71±27	59±17	70±13	53±10	53±20	60±13	51±16
622-623	64±13	69±14	65±16	70±12	54±11	51±9	55±14	58±13
625-626	72±10	76±9	68±22	71±14	62±14	56±11	64±16	60±13
650-651	69±15	79±9	ND	76±17	57±11	54±21	60±16	54±13
653-654	64±13	76±20	65±14	49±25	58±19	53±22	53±11	63±22
685-686	73±19	76±20	71±9	67±15	57±15	59±15	66±16	57±19
688-689	73±16	73±21	70±16	70±12	62±17	55±20	62±17	62±18
716-717	71±18	67±19	59±29	68±20	52±16	55±13	58±18	58±16
720-721	70±20	79±19	61±19	71±12	56±8	54±10	57±23	57±13

[a]Each value represents mean±S.D. for a minimum of 5 animals in the first 100 days and all animals thereafter.

ND = No data available.

*Statistically significantly different from control mean by Dunnett's test, $p<0.05$.

SL 081998

TABLE 6

HEMATOLOGICAL VALUES FOR MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) OR 731(M) DAYS[a]

Dose Level (ppm)	Days on Test:	PCV Percent				RBC $x10^6/mm^3$				Hgb g/100 ml				WBC $x10^3/mm^3$			
		181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701
MALES																	
0		50±2	50±4	47±3	45±5	9.2±0.4	7.9±0.4	7.3±0.7	7.4±0.8	17±1	16±1	15±1	14±2	12±2	15±1	13±3	16±5
50		52±2	52±2	49±2	44±5	8.9±0.3	8.5±0.5	7.9±0.7	7.1±0.8	18±1*	16±1	16±1	15±1	17±3*	16±5	14±2	16±4
100		53±4	51±4	48±6	47±3	9.4±0.6	8.5±0.8	7.5±0.6	7.6±0.6	18±1	17±1	15±2	15±1	12±1	18±5	19±4*	18±6
200		54±3	52±3	49±4	47±3	9.5±0.6	8.5±0.6	8.0±0.5	7.6±0.5	18±1	17±1	16±0	15±1	15±3	21±9	18±3	17±2
FEMALES	Days on Test:	182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
0		50±4	49±3	43±4	44±4	8.5±0.5	7.8±0.2	6.6±0.6	6.9±0.6	16±1	15±1	14±1	15±1	10±1	11±3	11±4	11±5
50		50±3	48±2	45±4	45±5	8.3±0.5	7.8±0.6	7.3±0.6	6.8±1.1	17±1	16±1	16±1	15±2	11±1	10±2	9±1	11±3
100		50±3	49±3	48±1	44±4	8.2±0.5	7.8±0.4	7.3±0.5	6.9±0.9	16±1	16±1	15±1	14±1	12±2	13±4	12±5	9±3
200		49±4	49±2	44±4	46±3	8.0±0.6	7.7±0.4	6.7±0.9	7.1±0.7	16±1	16±1	14±1	15±1	11±1	10±2	12±4	7±2

[a]Values are derived from ten animals for days 701 and 702. All others are from 5 animals. Mean ± S.D.

TABLE 6 (cont'd)

HEMATOLOGICAL VALUES FOR MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) OR 731(M) DAYS[a]

Dose Level (ppm)	Days on Test:	Neutrophils Seg. 181	Neutrophils B.J. 181	Neutrophils Seg. 365	Neutrophils B.J. 365	Neutrophils Seg. 540	Neutrophils B.J. 540	Neutrophils Seg. 701	Neutrophils B.J. 701	Lymphocytes 181	Lymphocytes 365	Lymphocytes 540	Lymphocytes 701	Monocytes 181	Monocytes 365	Monocytes 540	Monocytes 701	Eosinophils 181	Eosinophils 365	Eosinophils 540	Eosinophils 701	Basophils 181	Basophils 365	Basophils 540	Basophils 701
MALES																									
0		18	0	14	1	18	0	35	0	77	79	76	58	4	5	4	5	1	1	2	2	0	0	0	0
50		15	0	22	0	30	0	34	0	79	75	64	59	5	1	4	5	1	2	2	2	0	0	0	0
100		16	0	33	0	31	0	40	0	78	62	61	54	4	4	6	5	2	1	2	1	0	0	0	0
200		16	0	29	0	20	0	31	0	78	64	76	64	5	4	3	4	1	3	2	1	0	0	0	0
FEMALES	Days on Test:	182		365		540		702		182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
0		14	0	12	0	27	0	43	0	82	84	65	50	3	2	4	6	2	2	4	1	0	0	0	0
50		16	0	16	0	17	0	34	0	79	80	78	61	4	2	3	4	1	2	2	1	0	0	0	0
100		16	0	19	0	19	0	30	0	79	76	76	63	3	3	3	3	2	2	1	1	0	0	0	0
200		12	0	12	0	22	0	29	0	84	84	72	65	2	2	5	5	1	2	1	1	1	0	0	0

[a]Values are derived from ten animals for days 701 and 702. All others are from 5 animals.

TABLE 7

SUMMARY OF URINALYSES FOR MALE RATS MAINTAINED
ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE
FOR 731 DAYS

Dose Level PPM	Specific Gravity	pH range	Sugar	Protein	Ketones	Bilirubin	Occult Blood	Uro-bilinogen
181 DAYS								
0	1.053±0.012	5.5-7.0	Neg(5)	2^+ to 3^+(5)	Neg(5)	Neg(5)	Small(2) Neg(3)	ND
50	1.047±0.014	5.5-7.0	Neg(5)	2^+ to 3^+(5)	Neg(5)	Neg(5)	Small(1) Neg(4)	ND
100	1.051±0.011	6.0-6.5	Neg(5)	2^+ to 4^+(5)	Small(1) Trace (1) Neg(3)	Neg(5)	Neg(5)	ND
200	1.061±0.005	5.5-6.5	Neg(5)	2^+ to 3^+(5)	Small(2) Neg(3)	Neg(5)	Neg(5)	ND
365 DAYS								
0	1.045±0.004	6.0-7.0	Neg(5)	2^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
50	1.034±0.007	6.0-7.0	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	ND
100	1.037±0.011	6.5-7.5	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	ND
200	1.036±0.005	6.0-7.0	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	ND
540 DAYS								
0	1.033±0.012	6.0-6.5	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
50	1.038±0.004	6.0	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	+2(1) Neg(4)	0.1(5)
100	1.032±0.015	5.0-7.0	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
200	1.030±0.010	6.0-7.0	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
701 DAYS								
0	1.026±0.007	5.5-6.5	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(7) 1.0(3)
50	1.024±0.007	5.5-7.0	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(10)
100	1.032±0.012	5.0-7.0	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(7) 1.0(3)
200	1.031±0.009	6.0-6.5	Neg(9)	3^+ (9)	Neg(9)	Neg(9)	Neg(9)	0.1(8) 1.0(1) ND(1)

Each value represents mean ±SD for 5 rats per group on days 181, 365, and 540. There were 10 rats per group on day 701.

ND = no data available

( ) = no. of animals represented by specified range or mean

SL 082001

TABLE 8

SUMMARY OF URINALYSES FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level PPM	Specific Gravity	pH range	Sugar	Protein	Ketones	Bilirubin	Occult Blood	Urobilinogen
182 DAYS								
0	1.025±0.009	5.5-6.5	Neg(5)	2^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
50	1.043±0.009	5.5-6.5	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Trace(1) Neg(4)	ND
100	1.042±0.021	6.0-7.5	Neg(5)	1^+ to 3^+(5)	Trace(1) Neg(4)	Neg(5)	Neg(5)	ND
200	1.044±0.013	5.5-6.5	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
365 DAYS								
0	1.029±0.010	6.0-6.5	Neg(5)	2^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
50	1.037±0.011	6.0	Neg(5)	Trace-3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
100	1.032±0.004	5.5-6.5	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
200	1.040±0.005	6.0	Neg(5)	Trace-3^+(5)	Neg(5)	Neg(5)	Neg(5)	ND
540 DAYS								
0	1.037±0.007	6.0-6.5	Neg(5)	3^+ (5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
50	1.023±0.019	5.0-6.0	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
100	1.031±0.011	5.0-6.0	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	0.1(5)
200	1.042±0.008	5.0-6.0	Neg(5)	1^+ to 3^+(5)	Neg(5)	Neg(5)	Neg(5)	0.1(4) 1.0(1)
702 DAYS								
0	1.028±0.007	6.0-7.0	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(10)
50	1.036±0.011	6.0	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(10)
100	1.039*±0.008	5.5-6.5	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(10)
200	1.033±0.011	5.5-6.5	Neg(10)	3^+ (10)	Neg(10)	Neg(10)	Neg(10)	0.1(10)

Each value represents mean ±SD for 5 rats per group on days 182, 365 and 540. There were 10 rats per group on day 702.

ND = no data available

( ) = no. of animals represented by specified range or mean

*Significantly different from control mean by Dunnett's test, $p < 0.05$.

TABLE 9

MEAN CLINICAL CHEMISTRY VALUES FOR MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) AND 731(M) DAYS

	Males				Females			
Dose Level (ppm)	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml
Day 181[a]								
0	20±1	68±9	368±76	ND	20±4	57±5	280±65	ND
50	23±2	66±6	412±95	ND	20±2	61±8	353±35	ND
100	19±1	63±11	352±71	ND	22±3	55±7	224±42	ND
200	24±2*	63±10	457±174	ND	20±1	52±2	385±59*	ND
Day 184[b]								
0	15±2	ND	134±33	ND	18±3	ND	95±17	ND
50	17±2*	ND	127±24	ND	18±3	ND	82±15	ND
100	16±1	ND	135±21	ND	18±2	ND	89±16	ND
200	18±1*	ND	135±25	ND	20±4	ND	94±26	ND
Day 366								
0	17±2	54±5	127±19	94±5	16±2	48±4	74±29	101±14
50	23±7	60±8	138±21	100±7	19±4	50±1	109±35	85±11
100	23±10	59±6	121±23	93±8	17±2	51±18	99±18	86±9
200	18±4	56±3	146±36	86±4	19±5	50±4	119±32	91±9
Day 341								
0	17±4	55±10	104±27	ND	14±2	57±9	104±18	ND
50	25±13	54±13	96±20	ND	16±3	53±8	97±26	ND
100	20±9	46±10	110±27	ND	16±2	48±10	98±19	ND
200	35±29	50±14	117±22	ND	17±4	53±14	94±36	ND
Day 707								
0	26±12	41±9	85±27	ND	17±4	35±16	54±12	ND
50	63±60*	40±8	92±21	ND	20±5	40±12	62±20	ND
100	34±17	38±7	87±17	ND	19±7	37±8	71±17	ND
200	23±8	47±9	98±23	ND	17±4	38±8	68±15	ND
Day 731								
0	31±14	45±9	64±27	71±26	18±5	40±13	64±38	69±17
50	31±8	44±8	52±7	77±13	20±7	45±9	42±17	74±18
100	41±26	41±7	68±22	78±4	22±9	52±38	54±13	78±15
200	27±12	48±6	62±11	66±17	20±7	46±15	51±17	80±29

[a] Not fasted.

[b] Fasted - all others after this were also fasted overnight before sampling.

*Statistically significantly different from control mean using Dunnett's test, $p<0.05$.

ND = No data available.

TABLE 10

MEAN BODY WEIGHTS[a], ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731(M) OR 730(F) DAYS

Dose Level (ppm)	Number of Rats	Starved Body Weight g	Organ Weights (g and g/100 g Body Weight)									
			Brain		Heart		Liver		Kidneys		Testes	
			g	g/100 g	g	g/100 g	g	g/100 g	g	g/100 g	g	g/100 g
MALES												
0	19	517±65	2.00±0.07	0.39±0.05	1.95±0.19	0.38±0.07	19.35±4.36	3.78±0.91	6.00±2.02	1.20±0.56	3.77±0.70	0.73±0.14
50	5	489±108	2.07±0.04	0.45±0.13	1.86±0.19	0.40±0.14	17.66±2.52	3.86±1.56	5.79±0.89	1.25±0.42	3.90±0.99	0.86±0.39
100	8	516±121	2.00±0.09	0.41±0.09	1.97±0.19	0.40±0.11	16.96±2.06	3.39±0.58	6.53±2.19	1.39±0.75	3.80±0.91	0.74±0.14
200	9	525±85	1.98±0.06	0.39±0.06	1.97±0.23	0.38±0.06	17.53±1.72	3.39±0.49	5.44±1.13	1.07±0.32	4.17±0.66	0.80±0.09
FEMALES												
0	23	386±80	1.85±0.05	0.50±0.11	1.43±0.17	0.38±0.07	13.64±3.28	3.58±0.72	3.09±0.51	0.83±0.20		
50	18	377±74	1.88±0.08	0.51±0.10	1.40±0.17	0.38±0.08	12.40±2.37	3.32±0.53	3.01±0.42	0.82±0.20		
100	17	405±104	1.81±0.06	0.47±0.09	1.48±0.15	0.38±0.09	13.51±3.41	3.37±0.43	3.01±0.33	0.78±0.18		
200	15	417±94	1.86±0.09	0.46±0.09	1.41±0.10	0.35±0.06	14.03±3.09	3.40±0.55	2.90±0.24	0.72±0.13		

[a]Each value represents mean ± SD for the number of animals indicated.

TABLE 11

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LIVER							
Enlarged and/or congested	Control	0	0	1	10	1	12
	50 ppm	0	1	1	3	0	5
	100 ppm	0	0	1	2	0	3
	200 ppm	0	1	5	2	0	8
Decreased in size	Control	0	0	2	1	0	3
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	3	1	4
Small white foci	Control	0	0	0	13	7	20
	50 ppm	0	0	1	5	2	8
	100 ppm	0	0	0	1	2	3[a]
	200 ppm	0	0	0	5	2	7
Red subcapsular foci	Control	0	0	0	7	3	10
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	1	0	1[a]
	200 ppm	0	0	0	2	1	3
Roughened due to chronic passive congestion	Control	0	0	0	3	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Fluid-filled cysts	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	1	1
Accentuation of lobular pattern	Control	0	0	1	6	0	7
	50 ppm	0	0	0	5	0	5
	100 ppm	0	0	0	6	0	6
	200 ppm	0	0	0	3	1	4
Mottled	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	2	1	0	3
Strangulation of portion of liver	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Paleish discoloration	Control	0	0	2	13	0	15
	50 ppm	0	1	2	8	0	11
	100 ppm	0	0	1	9	0	10
	200 ppm	0	1	2	5	0	8
Congenital anomaly	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	1	0	0	0	0	1

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
RESPIRATORY SYSTEM							
Thoracic Cavity							
Fibrinous exudate with fluid	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Hemorrhage into thoracic cavity	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Hydrothorax	Control	0	0	0	13	1	14
	50 ppm	0	0	0	7	0	7
	100 ppm	0	0	2	8	1	11
	200 ppm	0	0	1	6	0	7
Lung							
Atelectasis (edematous)	Control	0	0	1	11	1	13
	50 ppm	0	0	0	6	0	6
	100 ppm	0	0	1	5	0	6
	200 ppm	0	0	1	6	0	7
Pneumonia	Control	0	0	0	1	0	1
	50 ppm	0	1	1	0	0	2
	100 ppm	0		0	0	0	0
	200 ppm	0	0	0	0	0	0
Golden brown pigment	Control	0	0	1	6	0	7
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	4	0	5
	200 ppm	0	0	0	5	0	5
Consolidation	Control	0	0	1	0	0	1
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Focal pulmonary fibrosis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Small red foci	Control	0	0	0	3	0	3
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Bronchiectasis	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mineralization	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
RESPIRATORY SYSTEM (cont'd)							
Lung (cont'd)							
Diffuse darkened areas throughout lung	Control	0	0	1	10	0	11
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	3	3	0	6
	200 ppm	0	0	0	1	0	1[a]
Small pale subpleural foci	Control	0	0	0	4	2	6
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	2	4
Congestion	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	0	2
URINARY SYSTEM							
Urinary Bladder							
Urinary bladder - petechial hemorrhage	Control	0	0	2	2	0	4
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Urinary bladder - thickened wall	Control	0	0	2	3	0	5
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	0	2
Urinary bladder - distension with urethral obstruction	Control	0	0	0	4	0	4
	50 ppm	0	0	2	4	1	7
	100 ppm	0	0	0	0	0	0
	200 ppm	1	0	1	2	0	4
Urinary calculi	Control	0	0	0	1	0	1
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Kidney							
Chronic renal disease - minimal	Control	0	0	4	5	9	18
	50 ppm	0	0	0	4	4	8
	100 ppm	0	0	2	5	2	9
	200 ppm	0	0	0	4	1	5
Chronic renal disease - moderate	Control	0	1	3	6	4	14
	50 ppm	0	0	3	2	1	6
	100 ppm	0	0	2	3	4	9
	200 ppm	0	0	3	1	4	8
Chronic renal disease - severe	Control	0	0	7	19	2	28
	50 ppm	0	0	4	16	0	20
	100 ppm	0	0	8	11	1	20
	200 ppm	0	0	4	16	0	20
Enlarged and congested	Control	0	0	0	3	0	3
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	0	0	0
	200 ppm	0	1	2	1	0	4

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
KIDNEY (cont'd)							
Dilated renal pelvis	Control	0	0	1	1	0	2
	50 ppm	0	0	1	0	1	2
	100 ppm	0	0	0	2	2	4
	200 ppm	0	0	3	1	0	4
Mineralization within renal pelvis	Control	0	1	0	1	0	2
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	2	2
	200 ppm	0	0	2	1	0	3
Hydronephrosis	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	1	0	0	1
Granular debris in renal pelvis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal cysts - not directly identified with chronic renal disease	Control	0	0	0	2	0	2
	50 ppm	0	0	1	5	0	6[a]
	100 ppm	0	0	2	1	1	4
	200 ppm	0	0	0	0	0	0
Renal failure cause of death or poor condition	Control	0	0	5	12	0	17
	50 ppm	0	0	3	12	0	15
	100 ppm	0	0	3	8	0	11
	200 ppm	0	0	2	6	0	8
Infarct - focal	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hematocyst	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
White foci	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Decreased in size	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Inflammation	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
CARDIOVASCULAR SYSTEM							
Heart							
Left atrial thrombosis	Control	0	0	0	8	0	8
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	2	7	0	9
	200 ppm	0	0	1	7	0	8
Dilated ventricles	Control	0	0	0	7	1	8
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	1	3	1	5
	200 ppm	0	0	1	1	1	3
Pale foci in muscle	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Degeneration	Control	0	0	2	9	1	12
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	4	1	5
	200 ppm	0	0	0	6	0	6
Pericarditis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mineralization	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	0	2
Rupture	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	1	0	2
	200 ppm	0	0	0	0	0	0
Aorta							
Dilated and inelastic	Control	0	0	4	9	0	13
	50 ppm	0	0	3	4	0	7
	100 ppm	0	0	2	2	0	4
	200 ppm	0	0	2	6	1	9
Mesenteric Vessels							
Periarteritis	Control	0	0	3	8	2	13
	50 ppm	0	0	1	6	0	7
	100 ppm	0	0	4	5	0	9
	200 ppm	0	0	1	9	3	13
Nodular areas in mesenteric vessels - vascular in nature	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
ABDOMINAL CAVITY							
Intra-abdominal fluid or blood	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	2	3	0	5
	200 ppm	0	0	0	0	0	0
Adipose Tissue							
Depleted (moderate to severe)	Control	0	0	1	6	0	7
	50 ppm	0	0	4	9	0	13[a]
	100 ppm	1	0	4	6	2	13[a]
	200 ppm	0	0	3	7	0	10[a]
Obese	Control	0	0	0	8	0	8
	50 ppm	0	1	1	3	0	5
	100 ppm	0	1	2	0	0	3
	200 ppm	0	2	0	1	0	3
GASTROINTESTINAL SYSTEM							
Tongue							
Edema on distal aspect of the tongue	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Ulcer on tongue	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Stomach							
Gastric ulcers or erosions - focal	Control	0	1	0	11	3	15
	50 ppm	0	0	2	5	0	7
	100 ppm	0	0	2	6	0	8
	200 ppm	0	0	0	9	0	9
Gastric hemorrhage - focal	Control	0	0	3	0	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	1	0	2
	200 ppm	0	0	1	3	0	4
Gastric mineralization	Control	0	0	6	7	0	13
	50 ppm	0	0	4	5	0	9
	100 ppm	0	0	5	3	0	8
	200 ppm	0	0	1	4	0	5
Gastric distension with air	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	2	0	0	2
	200 ppm	0	0	0	1	0	1
Gastrointestinal tract devoid of feed and feces	Control	0	0	2	0	0	2
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	1	6	0	7[a]
	200 ppm	0	0	0	7	0	7[a]

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL SYSTEM (cont'd)							
Stomach (cont'd)							
Thickened gastric mucosa	Control	0	0	4	6	0	10
	50 ppm	0	0	4	2	0	6
	100 ppm	0	0	2	3	0	5
	200 ppm	0	0	2	0	0	2
Gastric cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Large Intestine							
Parasites	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	1	1
Volvulus of large intestine	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Cecum							
Hemorrhagic and edematous	Control	0	0	2	[illegible]	0	8
	50 ppm	0	0	1	5	0	6
	100 ppm	0	0	0	5	0	5
	200 ppm	0	0	0	[illegible]	0	4
REPRODUCTIVE SYSTEM							
Testicles - enlarged	Control	0	0	0	2	2	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Testicles - atrophy	Control	0	0	6	15	2	23
	50 ppm	0	1	1	12	1	15
	100 ppm	1	0	4	9	0	14
	200 ppm	0	0	5	12	2	19
White foci in seminiferous tubules	Control	0	0	0	3	1	4
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	1	2	3
White foci on testicle	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Testicle hyperemic	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
REPRODUCTIVE SYSTEM (cont'd)							
Accessory sex gland - atrophy	Control	0	0	3	9	0	12
	50 ppm	0	0	0	7	0	7
	100 ppm	1	0	1	4	0	6
	200 ppm	0	0	1	4	0	5
Accessory sex gland - enlarged and inflamed	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	1	0	3
Epididymal fat pad edema or hyperemia	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	0	0	2
Epididymal fat pad atrophy	Control	0	0	0	2	2	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	1	0	1
Prostate gland - enlarged	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	0	0	2
Abscessed preputial gland	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
NERVOUS SYSTEM							
Pituitary gland - hemorrhagic foci	Control	0	0	0	0	2	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	0	2
Dark focal area at center of brain	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Paralysis of posterior portion of animal	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	1	0	0	0	0	1
ENDOCRINE GLANDS							
Thyroid and Parathyroid							
Parathyroid hyperplasia	Control	0	0	0	3	11	14
	50 ppm	0	0	0	2	10	12
	100 ppm	0	0	0	2	6	8
	200 ppm	0	0	0	2	9	11
Thyroid - decreased in size	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
ENDOCRINE GLANDS (cont'd)							
Adrenal Gland							
Mottled appearance	Control	0	0	1	14	0	16
	50 ppm	0	0	0	5	0	5
	100 ppm	0	0	1	8	0	9
	200 ppm	0	0	0	9	0	9
Decreased in size	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
INTEGUMENTARY SYSTEM							
Keratinized epidermal inclusion cyst	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	1	1
Mammary gland hyperplasia	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
MUSCULOSKELETAL SYSTEM							
Skeletal demineralization	Control	0	0	1	1	0	2
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	1	1	0	2
	200 ppm	0	0	0	3	0	3
LYMPHORETICULAR SYSTEM							
Lymph node - swollen, congested, enlarged and/or edematous - local	Control	0	0	0	10	1	11
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	4	1	5
	200 ppm	0	0	1	3	1	5
Spleen							
Splenomegaly - extramedullary hematopoiesis	Control	0	1	2	3	1	7
	50 ppm	0	0	0	4	0	4
	100 ppm	0	0	0	1	0	1
	200 ppm	0	1	0	2	0	3
Splenic atrophy (decreased in size)	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
EYE							
Atrophy - unilateral	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Corneal opacity - unilateral	Control	0	0	0	2	5	7
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	1	2	3
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 11 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN MALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
EYE (cont'd)							
Corneal opacity - bilateral	Control	0	0	2	3	10	15
	50 ppm	0	0	0	6	3	9
	100 ppm	0	0	1	6	4	11
	200 ppm	0	0	1	2	5	8
Cataracts	Control	0	0	0	0	4	4
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
GENERAL							
Postmortem change	Control	0	3	5	5	0	13
	50 ppm	0	1	3	3	0	7
	100 ppm	1	1	5	2	0	9
	200 ppm	0	2	4	3	0	9
Cannibalism	Control	1	1	1	1	0	4
	50 ppm	0	1	1	1	0	3
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	0	2
Emaciation	Control	0	1	2	4	1	8
	50 ppm	0	0	1	6	0	7
	100 ppm	1	0	1	6	0	8
	200 ppm	0	0	0	5	0	5
Malocclusion	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	1	0	1	0	1	3
	200 ppm	0	0	0	1	0	1
Anemia	Control	0	0	0	0	0	0
	50 ppm	0	0	2	0	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	1	0	1	0	2
Ulceration of hard palate	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Focal alopecia	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LIVER							
Centrilobular hepatocellular degeneration	Control	0	1	1	3	0	5
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	2	6	0	8
	200 ppm	0	0	1	5	1	7
Centrilobular hepatocellular atrophy	Control	0	0	3	4	3	10
	50 ppm	0	0	0	1	0	1[a]
	100 ppm	0	0	2	1	0	3
	200 ppm	0	0	3	3	0	6
Hepatocellular atrophy without fatty change	Control	1	1	9	22	9	42
	50 ppm	0	1	8	20	3	32
	100 ppm	1	0	9	9	6	25
	200 ppm	1	1	2	5	6	15[a]
Periportal hepatocellular hypertrophy	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	1	0	0	2
	200 ppm	0	0	2	1	0	3[a]
Hepatocellular atrophy with fatty change	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	2	0	3[a]
Centrilobular hepatocellular fatty degeneration	Control	1	1	1	4	3	10
	50 ppm	0	1	0	2	0	3
	100 ppm	0	0	1	6	0	7
	200 ppm	0	1	3	8	1	13[a]
Hepatocellular fatty change, location not specified	Control	0	0	0	1	2	3
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	1	0	3	4
	200 ppm	0	0	1	0	1	2
Centrilobular hepatocellular atrophy with fatty change	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	1	0	1
Total number of rats with hepatocellular fatty change or fatty degeneration	Control	1	1	1	6	5	14
	50 ppm	0	1	1	3	0	5
	100 ppm	0	0	2	8	3	13
	200 ppm	0	1	5	11	2	19[a]
Focus of hepatocellular alteration - eosinophilic ground glass appearance	Control	0	0	0	7	7	14
	50 ppm	0	0	1	3	1	5
	100 ppm	0	0	0	2	2	4
	200 ppm	0	0	0	3	4	7
Focus of hepatocellular alteration - clear cell appearance	Control	0	0	0	6	2	8
	50 ppm	0	0	1	4	2	7
	100 ppm	0	0	1	0	1	2
	200 ppm	0	0	0	3	2	5

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LIVER (cont'd)							
Focus of hepatocellular alteration - basophilic appearance	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Area of hepatocellular alteration - eosinophilic ground glass appearance	Control	0	0	0	1	1	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Area of hepatocellular alteration - clear cell appearance	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal hepatic necrosis	Control	0	0	1	1	1	3
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	2	2	1	5
	200 ppm	0	0	1	1	0	2
Generalized hepatic necrosis	Control	0	1	0	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	2	3	0	5
	200 ppm	0	0	0	2	0	2
Focal vascular sinusoidal dilatation	Control	0	0	0	8	0	8
	50 ppm	0	0	0	4	0	4
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Focal vascular dilatation with hepatocellular alteration	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Focal hepatocellular alteration characterized by cystic degeneration	Control	0	0	1	5	2	8
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Focal extramedullary hematopoiesis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Focal biliary hyperplasia	Control	0	0	1	2	0	3
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	3	0	3
	200 ppm	0	0	0	0	0	0
Focal periportal fibrosis or sclerosis	Control	0	1	1	7	3	12
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	1	2	1	4
	200 ppm	0	0	1	6	2	9

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Multiloculated biliary cyst formation	Control	0	0	1	3	0	4
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	2	2
Foci of mononuclear inflammatory cells located within the hepatic lobule or portal area	Control	1	3	14	40	17	75
	50 ppm	0	1	11	26	5	43
	100 ppm	1	2	14	20	7	44
	200 ppm	2	2	10	21	9	44
Biliary hyperplasia, focal	Control	0	0	1	2	0	3
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	3	0	3
	200 ppm	0	0	0	0	0	0
Dilatation of bile ducts	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Biliary inflammation	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Hyalinization of hepatic vessels	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Increase in number of reticuloendothelial cells lining the sinusoids	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
RESPIRATORY SYSTEM							
Trachea							
Focal subepithelial mononuclear inflammatory cell infiltrate	Control	0	0	8	17	9	34
	50 ppm	0	0	2	4	0	6[a]
	100 ppm	0	0	2	2	1	5[a]
	200 ppm	0	0	2	5	1	8[a]
Lungs							
Chronic pulmonary lesions characterized by edema, interstitial thickening and fibrosis, inflammatory cell infiltrate and exudation of cells into the alveoli with or without atelectasis (associated with advanced cardiac or renal disease)	Control	0	0	3	16	0	19
	50 ppm	0	0	0	4	0	4
	100 ppm	0	0	3	7	0	10
	200 ppm	0	0	1	7	0	8
Focal interstitial pneumonitis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
RESPIRATORY SYSTEM (cont'd)							
Lungs (cont'd)							
Peribronchial mononuclear inflammatory cell infiltrate	Control	1	3	14	32	19	69
	50 ppm	0	1	10	25	5	41
	100 ppm	1	2	13	12	8	36
	200 ppm	2	3	9	16	9	39
Focal alveolar histiocytosis	Control	0	0	8	18	7	33
	50 ppm	0	0	0	9	2	11
	100 ppm	0	0	1	2	4	7[a]
	200 ppm	0	1	0	4	1	6[a]
Focal thickening of the inter-alveolar septae	Control	0	0	0	2	3	5
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Acute suppurative pneumonia	Control	0	0	0	0	0	0
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Focal metaplastic bone formation within the lung	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pleuritis with acute inflammation	Control	0	0	0	0	0	0
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Portion of lung collapsed, atelectatic and inflamed	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mineralization of interalveolar septae	Control	0	0	3	0	0	3
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	3	1	0	4
	200 ppm	0	0	0	1	0	1
Hematogenous pigment in lung	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Focal hyperplasia of epithelial alveolar lining cells	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATE.
CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
URINARY SYSTEM							
Kidney							
Minimal degree of chronic nephropathy	Control	0	2	4	6	2	14
	50 ppm	0	1	3	5	0	9
	100 ppm	0	2	3	4	1	10
	200 ppm	1	2	2	0	2	7
Moderate degree of chronic nephropathy	Control	0	0	3	9	9	21
	50 ppm	0	0	5	6	3	14
	100 ppm	0	0	1	5	3	9
	200 ppm	0	0	2	7	5	14
Severe degree of chronic nephropathy	Control	0	0	3	20	8	31
	50 ppm	0	1	1	9	2	13
	100 ppm	0	0	7	6	4	17
	200 ppm	0	0	4	10	2	16
End stage nephropathy	Control	0	1	6	7	0	14
	50 ppm	0	0	3	9	0	12
	100 ppm	0	0	4	7	0	11
	200 ppm	0	0	2	6	0	8
Focal mineral deposit within the kidney	Control	0	0	9	5	1	15
	50 ppm	0	1	3	9	0	13
	100 ppm	0	0	4	3	1	8
	200 ppm	1	0	3	2	0	6
Focus of mononuclear cell infiltrate	Control	0	1	2	6	2	11
	50 ppm	0	0	3	2	0	5
	100 ppm	0	0	1	2	0	3
	200 ppm	0	1	1	1	1	4
Multifocal mononuclear cell infiltrate	Control	0	1	7	30	15	53
	50 ppm	0	0	5	27	5	37
	100 ppm	0	1	12	19	7	39
	200 ppm	0	0	9	21	7	37
Hydronephrosis	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Acute suppurative pyelonephritis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Renal cortical cysts	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	1	0
	100 ppm	0	0	0	0		1
	200 ppm	0	0	0	0		0
Focal chronic inflammation, infarction and vascular fibrosis	Control	0	0	0	0		0
	50 ppm	0	0	0	0	0	
	100 ppm	0	0	0	0	1	
	200 ppm	0	0	0	0	0	

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, p<

SL 082019

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
URINARY SYSTEM (cont'd)							
Kidney (cont'd)							
Focal cortical abscess	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Thrombosis with focal infarction	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Chronic interstitial nephritis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal pelvis distended with blood clot (nontumorous formation)	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal renal cortical tubular hyperplasia	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Urinary Bladder							
Urocystitis	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	1	0	1
Diffuse hyperplasia of urinary bladder mucosa	Control	0	0	0	0	0	0
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Submucosal edema and hemorrhage of urinary bladder	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal hyperplasia of the pelvic transitional epithelium	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
GASTROINTESTINAL TRACT							
Tongue							
Subepithelial focus of mononuclear inflammatory cell infiltrate without a foreign body present	Control	0	0	1	19	9	29
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	11	3	14

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL TRACT (cont'd)							
Tongue (cont'd)							
Subepithelial focus of mononuclear inflammatory cell infiltrate with a foreign body present	Control	0	0	0	7	5	12
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	5	2	7
Focal granulomatous inflammation without a foreign body present	Control	0	0	0	0	2	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal granulomatous inflammation with a foreign body present	Control	0	0	0	6	5	11
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	3	5	8
Atrophy of the lingual serous glands	Control	0	0	1	3	1	5
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	2	3
Vascular fibrinoid degeneration	Control	0	0	1	4	3	8
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	5	2	7
Mineralization of vessels in the tongue	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	0	2
Hyalinization of vessels in the tongue	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Edema of the tongue	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Fibrinous inflammatory reaction	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplasia of the squamous lining epithelium	Control	0	0	0	1	1	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Keratinization of serous gland duct epithelium	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL TRACT (cont'd)							
Salivary Glands							
Focal chronic inflammation with or without fibrosis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Atrophy	Control	0	0	0	1	0	1
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Thickening of interstitial support tissue in gland	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Edema of salivary gland	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Stomach							
Submucosal edema of the nonglandular portion	Control	0	0	2	2	1	5
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	1	1	0	2
	200 ppm	0	0	1	1	1	3
Focal gastric ulceration and hemorrhage	Control	0	0	1	1	0	2
	50 ppm	0	0	2	1	0	3
	100 ppm	0	0	0	4	0	4
	200 ppm	0	0	0	4	1	5
Hyperplasia and/or hyperkeratosis of the gastric nonglandular epithelium	Control	1	0	1	3	1	6
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	2	1	0	3
	200 ppm	0	0	0	0	0	0
Mineralization of gastric mucosa	Control	0	0	8	5	0	13
	50 ppm	0	0	3	8	0	11
	100 ppm	0	0	5	6	0	11
	200 ppm	0	0	4	6	0	10
Intraepithelial necrosis - focal	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Infarction secondary to mesenteric periarteritis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplasia of submucosal lymphoid tissue	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL TRACT (cont'd)							
Stomach (cont'd)							
Keratinization of the squamous epithelium of the stomach	Control	1	0	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Inflammation of nonglandular epithelium and/or glandular epithelium	Control	0	0	1	1	1	3
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Gastric cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Large Intestine							
Intestinal nematodiasis	Control	0	0	1	5	8	14
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	4	6
Edema, ulceration, and inflammation of the cecum due to uremia	Control	0	0	2	4	0	6
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	1	0	1
Inflammation of serosa and submucosa of large intestines	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Pancreas							
Focal atrophy of pancreatic acinar tissue	Control	0	1	2	12	5	20
	50 ppm	0	0	4	12	3	19[a]
	100 ppm	1	0	3	3	4	11
	200 ppm	0	0	4	9	5	18
Focal interstitial pancreatitis	Control	0	1	2	13	6	22
	50 ppm	0	0	2	11	3	16
	100 ppm	0	0	2	2	4	8
	200 ppm	0	0	2	8	5	15
CARDIOVASCULAR SYSTEM							
Heart							
Minimal degree of focal myocardial degeneration and fibrosis	Control	0	2	3	18	6	29
	50 ppm	0	2	2	8	5	17
	100 ppm	0	0	0	10	6	16
	200 ppm	0	1	7	11	7	26[a]

[a]Significantly different from control data when analyzed using fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
CARDIOVASCULAR SYSTEM (cont'd)							
Heart (cont'd)							
Moderate degree of focal myocardial degeneration and fibrosis	Control	0	0	5	10	11	26
	50 ppm	0	0	5	10	0	15
	100 ppm	0	0	3	2	0	5
	200 ppm	0	0	2	6	2	10
Severe degree of focal myocardial degeneration and fibrosis	Control	0	1	5	9	1	16
	50 ppm	0	0	2	5	0	7
	100 ppm	0	0	3	2	0	5
	200 ppm	0	0	1	2	0	3[a]
Left atrial thrombosis	Control	0	0	0	8	0	8
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	1	6	0	7
	200 ppm	0	0	1	7	0	8
Endocardial fibroelastosis	Control	0	0	0	3	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Focal myocardial mineralization	Control	0	1	3	3	0	7
	50 ppm	0	0	1	5	0	6
	100 ppm	0	0	0	2	1	3
	200 ppm	0	0	1	3	0	4
Inflammatory cell infiltrate within myocardium	Control	0	0	1	1	2	4
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hypertrophy of ventricular myocardium	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Focal necrosis of myocardium	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal area of infarction	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Aorta							
Aortic mineralization	Control	0	1	5	9	2	17
	50 ppm	0	1	4	11	1	17
	100 ppm	0	0	6	6	1	13
	200 ppm	0	1	2	8	1	12
Hemorrhage in aortic wall with inflammation	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
CARDIOVASCULAR SYSTEM (cont'd)							
Mesenteric and Other Vessels							
Periarteritis and sclerosis	Control	0	0	4	12	2	18
	50 ppm	0	0	0	9	0	9
	100 ppm	0	0	5	10	0	15
	200 ppm	0	0	2	8	2	12
Hyalinization, sclerosis, and/or fibrinoid degeneration suggestive of periarteritis	Control	0	0	1	8	4	13
	50 ppm	0	0	3	2	1	6
	100 ppm	0	0	3	3	0	6
	200 ppm	0	0	0	5	2	7
Mineralization of mesenteric blood vessels	Control	0	0	5	3	1	9
	50 ppm	0	0	0	5	0	5
	100 ppm	0	0	2	3	2	7
	200 ppm	0	0	0	4	0	4
Mineralization of pulmonary vessels	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Hyalinization and/or sclerosis of myocardial blood vessels	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
REPRODUCTIVE SYSTEM							
Testis							
Atrophy	Control	0	0	8	26	8	42
	50 ppm	0	1	3	14	1	19
	100 ppm	1	0	4	9	2	16
	200 ppm	0	0	6	16	4	26
Vascular fibrinoid degeneration	Control	0	0	5	21	7	33
	50 ppm	0	0	2	13	1	16
	100 ppm	0	0	2	5	2	9
	200 ppm	0	0	4	17	3	24
Focal areas of abscessation	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Sperm granuloma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mineralization of seminiferous tubules with or without sclerosis	Control	0	0	2	3	0	5
	50 ppm	0	1	0	2	1	4
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	1	3

Not significantly different from control d[illegible]n analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
REPRODUCTIVE SYSTEM (cont'd)							
Testis (cont'd)							
Focal atrophy of seminiferous tubules	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Accessory Sex Glands							
Atrophy	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Diffuse chronic inflammation	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	2	0	0	2
Suppurative inflammation of accessory sex glands	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Abscess of preputial gland	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	1	0	1
Squamous metaplasia of abscessed preputial gland	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Edema of penis (prepuce)	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Epididymis							
Atrophy	Control	0	0	4	17	7	28
	50 ppm	0	0	2	11	1	14
	100 ppm	1	0	3	7	2	13
	200 ppm	0	0	3	8	2	13
Hypoplastic	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
REPRODUCTIVE SYSTEM (cont'd)							
Epididymis (cont'd)							
Focal chronic inflammatory cell infiltrate	Control	0	0	0	1	1	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Suppurative inflammation	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Prostate							
Chronic interstitial prostatitis	Control	0	0	0	2	1	3
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Suppurative prostatitis	Control	0	0	1	4	0	5
	50 ppm	0	0	1	2	0	3
	100 ppm	0	1	1	1	1	4
	200 ppm	0	0	3	2	0	5
NERVOUS SYSTEM AND ENDOCRINE SYSTEM							
Brain							
Focal malacia of the brain	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	2	0	2
Areas of malacia associated with brain tumor formation	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal myelin vacuolization in cerebrum and cerebellum	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Spinal Cord							
Vacuolization of myelin	Control	0	0	5	24	19	48
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	2	14	8	24
Peripheral Nerve							
Vacuolization of myelin	Control	0	0	6	23	17	46
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	3	13	8	24

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
NERVOUS SYSTEM AND ENDOCRINE SYSTEM							
Peripheral Nerve (cont'd)							
Focal area of cholesterol cleft formation	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pituitary Gland							
Sinusoidal dilatation	Control	0	0	0	3	1	4
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	1	1	0	2
Hyperplastic focus	Control	0	0	0	1	4	5
	50 ppm	0	0	0	4	1	5
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Microcyst in pituitary	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Multiloculated pituitary cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Adrenal Glands							
Hematocyst formation	Control	0	0	3	4	2	7
	50 ppm	0	1	0	5	0	6
	100 ppm	0	0	1	3	1	5
	200 ppm	0	0	3	0	0	3
Vascular dilatation of adrenal	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Area of coagulation necrosis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal lipomatosis of the adrenal cortex	Control	0	1	7	19	10	37
	50 ppm	0	0	4	10	4	18
	100 ppm	0	0	2	3	4	9
	200 ppm	0	0	4	9	3	16
Mineralization of adrenal cortex	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
NERVOUS SYSTEM AND ENDOCRINE SYSTEM (cont'd)							
Adrenal Glands (cont'd)							
Focal hyperplasia of the adrenal cortex	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Atrophy of adrenal cortex	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplastic focus in adrenal medulla	Control	0	0	1	3	2	6
	50 ppm	0	0	2	3	1	6
	100 ppm	0	0	2	1	2	5
	200 ppm	0	0	1	4	0	5
Thyroid Gland							
Focal hyperplasia of C cells	Control	0	0	0	2	3	5
	50 ppm	0	0	2	4	2	8
	100 ppm	0	0	0	1	3	4
	200 ppm	0	0	2	3	0	5
Parathyroid Gland							
Hyperplasia	Control	0	1	7	20	1	29
	50 ppm	0	0	5	16	2	23
	100 ppm	0	0	5	10	1	16
	200 ppm	0	0	4	8	1	13
SUBCUTANEOUS TISSUE, MAMMARY GLAND AND INTEGUMENT							
Diffuse non-specific chronic dermatitis	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Epidermal inclusion cyst	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	2	2
MUSCULO-SKELETAL SYSTEM							
Atrophy of skeletal muscle	Control	0	0	5	18	9	32
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	15	7	24
EYE							
Chronic focal keratitis	Control	0	0	2	0	1	3
	50 ppm	0	0	1	0	2	3
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	1	5	6

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
EYE (cont'd)							
Cataract	Control	0	0	0	0	3	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Suppurative ophthalmitis	Control	0	1	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
ADIPOSE TISSUE							
Atrophy of mediastinal fat	Control	0	0	6	15	1	22
	50 ppm	0	1	5	12	0	18
	100 ppm	0	0	10	11	1	22[a]
	200 ppm	0	1	3	11	1	16
LYMPHORETICULAR SYSTEM							
Mediastinal Lymphoid Tissue							
Hematogenous pigment deposits	Control	0	0	1	9	0	10
	50 ppm	0	0	0	2	0	2
	100 ppm	0	1		4	0	5
	200 ppm	0	0	1	2	0	3
Atrophied	Control	0	0	2	6	1	9
	50 ppm	0	1	4	8	0	13[a]
	100 ppm	0	1	3	5	0	9
	200 ppm	0	0	2	5	0	7
Hyperplasia	Control	0	0	0	4	0	4
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	3	0	3
	200 ppm	0	0	1	1	0	2
Edematous	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperemic	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Sinusoidal dilatation	Control	0	0	0	4	0	4
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Sclerosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LYMPHORETICULAR SYSTEM (cont'd)							
Mesenteric Lymph Nodes							
Sinusoidal vascular dilatation	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Hyperplasia	Control	0	0	0	4	2	6
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	1	1	1	3
Atrophy	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	1	0	3[a]
Edema	Control	0	0	1	2	1	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	2	1	0	3
Increased hemosiderin pigment in mesenteric lymph node	Control	0	0	1	2	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Lymphangiectasis of mesenteric lymph nodes or other lymph nodes	Control	0	0	0	0	1	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Other Lymph Nodes							
Hyperplasia	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Spleen							
Atrophy of spleen with or without hemosiderin pigment	Control	0	2	7	14	0	23
	50 ppm	0	1	4	6	0	11
	100 ppm	1	1	1	5	0	8
	200 ppm	0	0	5	10	0	15
Increased hemosiderin deposits within the spleen	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplasia	Control	0	1	0	2	0	3
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	0	0	1

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 12 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LYMPHORETICULAR SYSTEM (cont'd)							
Spleen (cont'd)							
Increased extramedullary hematopoiesis in spleen	Control	1	1	3	8	4	17
	50 ppm	0	0	3	9	0	12
	100 ppm	0	1	2	2	1	6
	200 ppm	1	1	0	6	1	9
Thymus							
Atrophy	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 13

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN MALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LIVER							
Nodular proliferation in the liver - primary site	Control	0	0	0	2	3	5
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Nodular proliferation in liver - metastatic foci	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Diffuse tumor infiltrate and enlarged - associated with lymphoid proliferation	Control	0	0	0	0	0	0
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
KIDNEY							
Tumor - primary site	Control	0	1	0	0	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Tumor - metastatic lesion	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
RESPIRATORY SYSTEM							
Lung - focal nodule - metastatic tumor	Control	0	0	0	0	1	1
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
GASTROINTESTINAL TRACT							
Proliferative lesion involving the tongue	Control	0	0	1	0	1	2
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	1	1	0	2
	200 ppm	0	1	0	0	0	1
Salivary gland - enlarged	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Gastric tumor	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Small intestinal tumor or diverticulum	Control	0	0	0	2	1	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	2	2
	200 ppm	0	0	0	0	0	0
Large intestinal tumor	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 13

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN MALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL TRACT (cont'd)							
Pancreatic nodule	Control	0	0	0	14	5	19
	50 ppm	0	0	1	8	1	10
	100 ppm	0	0	0	4	0	4[a]
	200 ppm	0	0	1	4	2	7
Pancreas - tumor involving pancreas and other abdominal viscera	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
REPRODUCTIVE SYSTEM							
Testicular tumor - unilateral	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
ENDOCRINE SYSTEM							
Brain Tumor	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Tumor of cranial nerve	Control	1	0	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pituitary gland - increased in size	Control	0	0	0	6	0	6
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	3	1	4
	200 ppm	0	0	1	2	1	4
Thyroid - increased in size	Control	0	0	0	1	3	4
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	1	0	1
ADRENAL GLAND							
Enlarged - unilateral	Control	0	0	1	2	1	4
	50 ppm	0	0	0	2	1	3
	100 ppm	0	0	0	2	1	3
	200 ppm	0	0	1	1	0	2
Enlarged - bilateral	Control	0	0	1	4	0	5
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	2	0	0	2
	200 ppm	0	0	0	1	0	1
MUSCULOSKELETAL SYSTEM							
Tumor within pelvic canal	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a] Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 13 (cont'd)

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN MALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
MUSCULOSKELETAL SYSTEM (cont'd)							
Tumor of the skull	Control	0	0	0	0	0	0
	50 ppm	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
LYMPHORETICULAR SYSTEM							
Lymph node - tumor consisting of lymphoid tissue	Control	0	0	0	1	2	3
	50 ppm	0	0	1	3	0	4
	100 ppm	0	0	0	0	2	2
	200 ppm	0	0	0	0	0	0
Local invasion of tumor with regional lymph node involved	Control	0	0	0	3	0	3
	50 ppm	0	0	1	3	0	4
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Thymus enlarged	Control	0	0	0	0	1	1
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Splenomegaly - tumor related	Control	0	0	0	2	1	3
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	0	0	0
INTEGUMENTARY SYSTEM							
Subcutaneous tumor - mammary and midcervical region	Control	0	0	1/1[a]	3/3[a]	2/2[a]	6/6[a]
	50 ppm	0	0	0	4/4[a]	2/2[a]	6/6[a]
	100 ppm	0	1/1[a]	0	1/1[a]	4/4[a]	6/6[a]
	200 ppm	1/1[a]	0	0	1/1[a]	4/2[a]	6/4[a]
Subcutaneous tumor - eye, ear and head region	Control	0	0	1	2	1	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	2	0	2
Subcutaneous tumor - body/limb	Control	0	0	0	1	1	2
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Subcutaneous tumor - preputial gland region	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
EYE							
Ocular enlargement	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
MISCELLANEOUS							
Intra-abdominal tumor - origin uncertain	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

[a]Number of tumors/number of animals with tumors.

TABLE 13 (cont'd)

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN MALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
MISCELLANEOUS (cont'd)							
Tumor implants on intra-abdominal viscera	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Nodule in omentum	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 14

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LIVER							
Neoplastic nodule (hepatocellular hyperplastic nodule	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hepatocellular carcinoma without metastasis	Control	0	0	0	0	2	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Hepatocellular carcinoma with metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
URINARY SYSTEM							
Kidney							
Nephroblastoma	Control	0	1	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal tubular adenoma	Control	0	0	0	0	1	1
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
GASTROINTESTINAL TRACT							
Tongue							
Keratoacanthoma	Control	0	0	1	0	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	1	0	0	0	1
Squamous cell papilloma of the tongue	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Squamous cell carcinoma without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Hard Palate							
Keratoacanthoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
GASTROINTESTINAL TRACT (cont'd)							
Salivary Gland							
Medullary carcinoma without metastasis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Stomach							
Leiomyosarcoma without metastasis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Leiomyosarcoma with metastasis to the liver	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Small Intestine							
Mucinous cystadenocarcinoma without metastasis	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Mucinous cystadenocarcinoma with metastasis to the large intestine	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Leiomyosarcoma without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Leiomyosarcoma with metastasis to the liver	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pancreas							
Acinar adenoma	Control	0	0	0	7	2	9
	50 ppm	0	0	1	4	2	7
	100 ppm	0	0	1	2	0	3
	200 ppm	0	0	1	1	4	6
Islet cell adenoma	Control	0	0	0	6	4	10
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	2	1	3
	200 ppm	0	0	0	5	3	8

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
RESPIRATORY SYSTEM							
Lung							
Pulmonary adenoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
CARDIOVASCULAR SYSTEM							
Heart							
Chemodectoma (aortic body tumor)	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
REPRODUCTIVE SYSTEM							
Testicle							
Interstitial cell adenoma	Control	0	0	0	0	2	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Epididymis							
Focal mesothelioma of the tunica vaginalis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
NERVOUS SYSTEM AND ENDOCRINE GLANDS							
Brain							
Astrocytoma	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Oligodendroglioma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Spinal Cord							
Glioblastoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	1	0	0	0	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
NERVOUS SYSTEM AND ENDOCRINE GLANDS (cont'd)							
Pituitary Gland							
Adenoma	Control	0	0	0	6	4	10
	50 ppm	0	0	1	4	1	6
	100 ppm	0	0	0	3	3	6
	200 ppm	0	0	1	4	2	7
Carcinoma without brain invasion	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Adrenal Gland							
Adrenal cortical carcinoma without metastasis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pheochromocytoma, unilateral	Control	0	0	1	9	7	17
	50 ppm	0	0	1	8	2	11
	100 ppm	0	0	1	0	4	5
	200 ppm	0	0	0	7	4	11
Pheochromocytoma, bilateral	Control	0	0	0	5	4	9
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	2	4	0	6
	200 ppm	0	0	1	2	0	3
Malignant pheochromocytoma without metastasis	Control	0	0	0	0	2	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Total number of rats with a pheochromocytoma	Control	0	0	1	14	13	28
	50 ppm	0	0	1	10	2	13
	100 ppm	0	0	3	4	4	11
	200 ppm	0	0	1	9	4	14
Thyroid Gland							
C-cell adenoma	Control	0	0	1	3	1	5
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	3	2	5
C-cell carcinoma without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
C-cell carcinoma with metastasis to the lungs	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
LYMPHORETICULAR SYSTEM							
Generalized lymphosarcoma with widespread tissue involvement	Control	0	0	0	1	0	1
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Hemangioma of the mesenteric lymph node	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Spleen							
Hemangioma	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Thymus							
Thymoma without other lymphoid tissue involvement	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
INTEGUMENTARY SYSTEM							
Eye							
Retrobulbar undifferentiated sarcoma without metastasis	Control	0	0	0	1	0	1
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Preputial Gland							
Squamous cell carcinoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Integument							
Subcutaneous fibroma	Control	0	0	0	3/3[a]	1/1[a]	4/4[a]
	50 ppm	0	0	0	2/2[a]	2/2[a]	4/4[a]
	100 ppm	0	1/1[a]	0	0	1/1[a]	2/2[a]
	200 ppm	0	0	0	0	3/2[a]	3/2[a]
Subcutaneous fibrous histiocytoma	Control	0	0	0	0	0	0
	50 ppm	0	0	1/1[a]	0	0	1/1[a]
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1/1[a]	0	1/1[a]
Subcutaneous adenofibroma/ fibroadenoma of the mammary region	Control	0	0	0	1/1[a]	1/1[a]	2/2[a]
	50 ppm	0	0	0	1/1[a]	0	1/1[a]
	100 ppm	0	0	0	1/1[a]	3/3[a]	4/4[a]
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

[a]Number of tumors/number of rats with tumors.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
INTEGUMENTARY SYSTEM							
Preputial Gland							
Subcutaneous fibroma of the mammary region	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1/1[a]	0	1/1[a]
Subcutaneous adenocarcinoma of the mammary gland without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1/1[a]	0	1/1[a]
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Subcutaneous carcinosarcoma of the mammary gland without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	1/1[a]	0	0	0	0	1/1[a]
Ear Canal Gland							
Sebaceous squamous cell carcinoma of the external ear canal gland (Zymbal gland) without metastasis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Sebaceous squamous cell carcinoma of the external ear canal gland (Zymbal gland) with metastasis to the lungs	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Musculoskeletal System							
Osteogenic sarcoma of rear limb without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
MALIGNANT SCHWANNOMA							
Pelvic canal location without metastasis but locally destructive	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0
Cranial cavity location without metastasis	Control	1	0	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mediastinal location without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

[a]Number of tumors/number of rats with tumors.

TABLE 14 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN MALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
MALIGNANT SCHWANNOMA (cont'd)							
Subcutaneous salivary gland location without metastasis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Undifferentiated Sarcoma, Probable Neural Origin							
Pelvic canal and rear limb region without metastasis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pelvic canal location without metastasis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Intra-abdominal Tumor							
Fibrosarcoma with widespread metastasis, origin undetermined	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 15

NUMBER OF MALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Liver	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Kidney	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Heart	Control	1	3	15	42	19	80
	50 ppm	0	2	12	28	5	47
	100 ppm	1	2	6	14	8	31
	200 ppm	2	3	10	23	9	47
Pancreas	Control	1	3	14	41	19	78
	50 ppm	0	2	11	27	5	45
	100 ppm	1	2	4	14	8	29
	200 ppm	2	3	10	23	9	47
Spleen	Control	1	3	15	42	19	80
	50 ppm	0	2	11	27	5	45
	100 ppm	1	2	4	11	8	26
	200 ppm	2	2	10	23	8	45
Lung	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Skeletal Muscle	Control	1	2	14	41	17	75
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	2	0	3
	200 ppm	1	2	7	22	9	41
Mediastinal Lymphoid Tissue	Control	1	3	13	39	19	75
	50 ppm	0	2	10	29	5	46
	100 ppm	1	2	13	21	8	45
	200 ppm	1	3	8	22	9	43
Mediastinal Fat	Control	0	3	11	38	16	68
	50 ppm	0	1	10	27	5	43
	100 ppm	0	1	14	19	8	42
	200 ppm	1	3	9	20	9	42
Salivary Glands	Control	1	3	12	37	10	63
	50 ppm	0	0	3	1	0	4
	100 ppm	0	0	0	1	0	1
	200 ppm	1	2	7	18	4	32
Aorta	Control	1	3	12	37	19	72
	50 ppm	0	2	12	26	3	43
	100 ppm	1	2	14	21	7	45
	200 ppm	1	2	10	20	9	42
Esophagus	Control	0	2	10	39	18	69
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	13	21	8	45
	200 ppm	2	3	10	23	8	46

TABLE 15 (cont'd)

NUMBER OF MALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Trachea	Control	1	3	14	41	19	78
	50 ppm	0	2	12	27	5	46
	100 ppm	1	2	13	22	8	46
	200 ppm	2	3	9	23	9	46
Parathyroid	Control	0	3	11	38	15	67
	50 ppm	0	1	11	25	5	42
	100 ppm	0	0	5	14	7	26
	200 ppm	1	1	9	21	9	41
Thyroid	Control	0	3	13	42	18	76
	50 ppm	0	1	12	27	5	45
	100 ppm	0	2	5	15	7	29
	200 ppm	2	2	10	22	9	45
Stomach	Control	1	3	15	42	19	80
	50 ppm	0	1	11	25	5	42
	100 ppm	1	2	13	21	8	45
	200 ppm	2	3	10	23	9	47
Small Intestine	Control	1	3	14	41	18	77
	50 ppm	0	0	2	9	0	11
	100 ppm	0	0	0	11	2	13
	200 ppm	2	2	10	23	8	45
Large Intestine	Control	1	3	14	41	18	77
	50 ppm	0	0	1	5	0	6
	100 ppm	0	0	0	4	2	6
	200 ppm	2	2	9	23	9	45
Mesenteric Lymph Node	Control	1	3	12	35	18	69
	50 ppm	0	0	3	12	1	16
	100 ppm	0	0	2	10	2	14
	200 ppm	1	1	9	21	9	41
Mesenteric Vessels	Control	0	2	9	24	11	46
	50 ppm	0	0	3	13	0	16
	100 ppm	0	0	4	8	0	12
	200 ppm	1	1	5	14	6	27
Urinary Bladder	Control	1	3	14	41	18	77
	50 ppm	0	0	5	16	0	21
	100 ppm	1	1	4	11	[illegible]	18
	200 ppm	2	3	10	23	[illegible]	47
Epididymis	Control	1	2	13	40	19	75
	50 ppm	0	2	3	13	1	19
	100 ppm	1	0	5	11	2	19
	200 ppm	2	1	10	23	9	45
Testes	Control	1	2	15	42	19	79
	50 ppm	0	2	4	14	1	21
	100 ppm	1	0	5	11	2	19
	200 ppm	2	2	10	23	9	46
Accessory Sex Glands	Control	1	3	14	40	17	75
	50 ppm	0	1	5	16	0	22
	100 ppm	0	0	5	9	1	15
	200 ppm	1	3	10	23	9	46

TABLE 15 (cont'd)

NUMBER OF MALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	1	3	15	42	19	80
	50 ppm	0	2	12	29	5	48
	100 ppm	1	2	15	22	8	48
	200 ppm	2	3	10	23	9	47
Prostate	Control	1	3	14	40	17	75
	50 ppm	0	2	5	13	0	20
	100 ppm	0	1	5	11	1	18
	200 ppm	2	3	10	23	9	47
Peripheral Nerve	Control	1	3	14	37	18	73
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	1	1	9	21	9	41
Spinal Cord	Control	0	3	12	40	19	74
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	2	2	9	23	9	45
Pituitary Gland	Control	0	1	11	32	18	62
	50 ppm	0	1	6	25	4	36
	100 ppm	0	1	3	9	8	21
	200 ppm	2	1	7	19	9	36
Adrenal Gland	Control	1	3	15	42	19	80
	50 ppm	0	2	11	29	5	47
	100 ppm	1	2	5	11	8	27
	200 ppm	1	1	10	23	9	44
Cerebellum	Control	0	3	15	42	19	79
	50 ppm	0	2	11	28	5	46
	100 ppm	1	2	4	9	8	24
	200 ppm	2	2	9	23	9	45
Cerebral Cortex	Control	1	3	15	41	19	79
	50 ppm	0	2	12	28	5	47
	100 ppm	1	2	4	9	7	22
	200 ppm	2	2	10	23	9	46
Eyes	Control	1	1	3	1	12	18
	50 ppm	0	0	4	1	5	10
	100 ppm	0	0	1	1	5	7
	200 ppm	0	1	2	2	9	14
Tongue	Control	1	1	6	38	17	63
	50 ppm	0	0	1	4	0	5
	100 ppm	0	0	1	1	0	2
	200 ppm	0	2	6	22	9	39
Skin	Control	0	1	2	18	15	36
	50 ppm	0	0	2	1	0	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	5	8	13

TABLE 16

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER							
Enlarged and/or congested	Control	0	0	1	4	0	5
	50 ppm	0	0	1	4	0	5
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	2	2
Decreased in size	Control	0	0	1	3	0	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	0	3	0	4
	200 ppm	0	0	2	7	1	10[a]
Small white foci	Control	0	0	0	3	4	7
	50 ppm	0	0	1	5	2	8
	100 ppm	0	0	0	2	4	6
	200 ppm	0	0	1	4	4	9
Red subcapsular foci	Control	0	0	2	12	17	31
	50 ppm	0	0	0	5	4	9[a]
	100 ppm	0	0	0	4	3	7[a]
	200 ppm	0	0	0	4	5	9[a]
Roughened due to chronic passive congestion	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Fluid-filled cysts	Control	0	0	1	6	1	8
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	1	2
Accentuation of lobular pattern	Control	0	0	1	5	0	6
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	2	4
Mottled liver	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	3	0	3
	200 ppm	0	0	0	0	0	0
Strangulation of portion of liver	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	1	0	1
Paleish discoloration	Control	0	0	1	9	1	11
	50 ppm	0	0	0	7	1	8
	100 ppm	0	0	1	6	0	7
	200 ppm	0	0	1	5	3	9
RESPIRATORY SYSTEM							
Thoracic Cavity							
Hydrothorax	Control	0	0	0	4	1	5
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	1	0	2
	200 ppm	0	0	0	1	0	1

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
RESPIRATORY SYSTEM (cont'd)							
Thoracic Cavity (cont'd)							
Hemorrhage into thoracic cavity	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Lungs							
Small red foci	Control	0	0	0	2	0	2
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	0	2
Atelectatic and edematous	Control	0	0	0	4	1	5
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	0	1	0	2
	200 ppm	0	0	0	1	0	1
Pneumonia	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Golden brown pigment	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Diffuse darkened areas throughout lung	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	1	0	1
Small pale subpleural foci	Control	0	0	1	4	5	10
	50 ppm	0	0	0	4	5	9
	100 ppm	0	1	0	4	5	10
	200 ppm	0	0	0	4	3	7
Congestion	Control	0	0	0	0	0	0
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
URINARY SYSTEM							
Urinary Bladder							
Petechial hemorrhage	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Thickened wall	Control	0	0	1	3	0	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Distension with urethral obstruction	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
URINARY SYSTEM (cont'd)							
Kidney							
Chronic renal disease - minimal	Control	0	0	0	5	10	15
	50 ppm	0	0	0	2	3	5
	100 ppm	0	0	0	7	9	16
	200 ppm	0	0	2	4	7	13
Chronic renal disease - moderate	Control	0	0	1	4	5	10
	50 ppm	0	0	0	4	5	9
	100 ppm	0	0	0	4	1	5
	200 ppm	0	0	1	0	1	2
Chronic renal disease - severe	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	1	2
	200 ppm	0	0	0	3	0	3
Enlarged and congested	Control	0	0	0	0	0	0
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Dilated renal pelvis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Hydronephrosis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mineralization within renal pelvis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Dark and discolored	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal cysts - not directly identified with chronic renal disease	Control	0	0	0	0	2	2
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
White foci	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pale - not associated with chronic renal disease	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Red foci	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
URINARY SYSTEM (cont'd)							
Kidney (cont'd)							
Inflammation sites	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Decrease in size	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal failure cause of death or poor condition	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	2	0	2
CARDIOVASCULAR SYSTEM							
Heart							
Left atrial thrombosis	Control	0	0	0	1	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Dilated ventricles	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Degeneration	Control	0	0	0	0	2	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Aorta							
Dilated and inelastic	Control	0	0	0	7	0	7
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Mesenteric Vessels							
Periarteritis	Control	0	0	0	4	3	7
	50 ppm	0	0	0	2	3	5
	100 ppm	0	0	0	2	1	3
	200 ppm	0	0	1	4	1	6
INTRA-ABDOMINAL CAVITY							
Fluid or blood	Control	0	1	0	1	0	2
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Adipose tissue depleted (moderate to severe)	Control	0	0	4	4	1	9
	50 ppm	0	0	1	2	0	3
	100 ppm	0	0	0	4	0	4
	200 ppm	0	0	2	9	2	13[a]

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
INTRA-ABDOMINAL CAVITY (cont'd)							
Obese	Control	0	0	1	1	0	2
	50 ppm	0	0	0	0	1	1
	100 ppm	0	1	1	1	0	3
	200 ppm	0	0	0	1	0	1
GASTROINTESTINAL TRACT							
Tongue							
Cyst at the base of the tongue	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Salivary Gland							
Salivary gland cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Stomach							
Gastric cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Gastric distension with air	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Gastric hemorrhage - focal	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	2	0	2
Gastrointestinal tract devoid of feed and feces	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	0	2	0	3
	200 ppm	0	0	0	3	1	4
Gastric ulcers or erosions - focal	Control	0	0	1	4	2	7
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	3	0	3
	200 ppm	0	0	2	4	3	9
Gastric mineralization	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0
Small Intestine							
Intussusception of small intestine	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
GASTROINTESTINAL TRACT (cont'd)							
Large Intestine							
Large intestine - parasites	Control	0	0	1	0	2	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	1	1
REPRODUCTIVE SYSTEM							
Ovary							
Cyst	Control	0	0	0	3	3	6
	50 ppm	0	0	1	3	0	4
	100 ppm	0	0	0	3	3	6
	200 ppm	0	0	0	1	1	2
Inflammation or abscess	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Atrophy	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Uterus							
Atrophy	Control	0	0	1	0	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Hyperplasia with or without cysts	Control	0	0	1	8	10	19
	50 ppm	0	0	0	4	7	11
	100 ppm	0	0	0	3	8	11
	200 ppm	0	0	0	4	3	7
Dilated uterine horn	Control	0	0	1	1	1	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
NERVOUS SYSTEM							
Pituitary Gland							
Hemorrhagic foci	Control	0	0	0	4	4	8
	50 ppm	0	0	0	3	4	7
	100 ppm	0	0	0	1	6	7
	200 ppm	0	0	0	2	6	8
Brain							
Malacia of brain	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Pineal Gland							
Surrounded by darkened area	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
ENDOCRINE GLANDS							
Thyroid							
Decreased in size	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
White foci	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Parathyroid							
Hyperplasia	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	0	2
Adrenal Gland							
Hemorrhagic surface on cross-section	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	0	0	0
Mottled appearance	Control	0	0	1	22	9	32
	50 ppm	0	0	0	8	7	15
	100 ppm	0	0	0	13	7	20
	200 ppm	0	0	0	10	4	14
Adrenal gland - atrophy (decrease in size)	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
INTEGUMENTARY SYSTEM							
Keratinized epidermal inclusion cyst	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Mammary gland hyperplasia	Control	0	0	1	11	6	18
	50 ppm	0	0	0	5	5	10
	100 ppm	0	0	0	3	6	9
	200 ppm	0	0	0	3	4	7
Galactocele formation	Control	0	0	1	4	4	9
	50 ppm	0	0	0	5	3	8
	100 ppm	0	0	0	4	5	9
	200 ppm	0	0	0	2	3	5
Mammary gland - hematocyst	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
MUSCULOSKELETAL SYSTEM							
Skeletal demineralization	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	1	0	1
Ankylosis of a joint	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
LYMPHORETICULAR SYSTEM							
Lymph Node							
Swollen, congested, enlarged and/or edematous - local	Control	0	0	1	2	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	2	1	3
Spleen							
Splenomegaly - extramedullary hematopoiesis	Control	0	1	3	4	1	9
	50 ppm	0	0	1	4	0	5
	100 ppm	0	2	2	5	2	11
	200 ppm	0	0	3	3	0	6
Splenic atrophy - decrease in size	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	1	0	1
EYE							
Atrophy	Control	0	0	0	0	2	2
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Hemorrhage and ulceration	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Corneal ulcer - unilateral	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Corneal opacity - unilateral	Control	0	0	1	0	4	5
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	2	3
Corneal opacity - bilateral	Control	0	0	0	3	9	12
	50 ppm	0	0	0	1	8	9
	100 ppm	0	0	0	2	5	7
	200 ppm	0	0	0	0	5	5

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 16 (cont'd)

GROSS OBSERVATIONS OF NONTUMOROUS CHANGES IN FEMALE RATS
MAINTAINED FOR 24 MONTHS ON WATER CONTAINING VINYLIDENE CHLORIDE

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	[illegible]	23	50
	50 ppm	0	0	[illegible]	[illegible]	18	48
	100 ppm	0	[illegible]	[illegible]	[illegible]	[illegible]	48
	200 ppm	0	[illegible]	13	[illegible]	15	48
EYE (cont'd)							
Cataracts	Control	[illegible]		0	[illegible]	[illegible]	1
	50 ppm	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	[illegible]	[illegible]	0
GENERAL							
Postmortem change	Control	[illegible]	[illegible]	[illegible]	[illegible]	0	5
	50 ppm	0	[illegible]	0	[illegible]	0	7
	100 ppm	[illegible]	0	1	0	0	3
	200 ppm	0	[illegible]	1	2	0	3
Cannibalism	Control	0	[illegible]	2	0	0	2
	50 ppm	[illegible]	0	[illegible]	0	0	0
	100 ppm	0	1	[illegible]	3	0	5
	200 ppm	0	0	0	1	0	1
Emaciation	Control	0	0	1	5	1	7
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	[illegible]	[illegible]	0	7
	200 ppm	[illegible]	[illegible]	[illegible]	[illegible]	1	7
Malocclusion	Control	[illegible]	[illegible]	1	[illegible]	[illegible]	3
	50 ppm	[illegible]	[illegible]	[illegible]	[illegible]	0	0
	100 ppm			0	[illegible]	0	2
	200 ppm	[illegible]	[illegible]	[illegible]	0	0	0
Jaundice	Control	[illegible]	[illegible]	0	1	0	1
	50 ppm	[illegible]	0	[illegible]	0	0	0
	100 ppm	[illegible]	0	[illegible]	[illegible]	0	0
	200 ppm	[illegible]	[illegible]	1	0	0	1
Anemia	Control	[illegible]	0	2	[illegible]	0	7
	50 ppm	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
	100 ppm	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
	200 ppm	0	0	[illegible]	[illegible]	[illegible]	[illegible]
Indurated pale area in muscle of thoracic wall	Control	[illegible]	[illegible]	[illegible]	1	0	1
	50 ppm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0
	100 ppm	0	[illegible]	[illegible]	[illegible]	0	0
	200 ppm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER							
Centrilobular hepatocellular degeneration	Control	0	0	3	6	0	9
	50 ppm	0	0	1	4	0	5
	100 ppm	0	0	1	2	0	3
	200 ppm	0	0	1	2	0	3
Centrilobular hepatocellular atrophy	Control	0	0	0	10	4	14
	50 ppm	0	0	2	6	1	9
	100 ppm	0	1	1	9	1	12
	200 ppm	0	0	3	5	8	16[a]
Hepatocellular atrophy without fatty change	Control	0	0	9	15	13	37
	50 ppm	0	0	0	5	11	16
	100 ppm	0	2	1	5	5	13
	200 ppm	0	0	2	7	4	13
Periportal hepatocellular hypertrophy	Control	0	0	1	1	2	4
	50 ppm	0	0	3	3	1	7
	100 ppm	0	0	0	7	4	11[a]
	200 ppm	0	0	6	4	9	19[a]
Hepatocellular atrophy with fatty change	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	2	0	2
Centrilobular hepatocellular fatty degeneration	Control	0	0	1	3	0	4
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	1	0	1	2
Hepatocellular fatty change, location not specified	Control	0	0	0	0	3	3
	50 ppm	0	0	0	4	6	10[a]
	100 ppm	0	0	0	5	6	11[a]
	200 ppm	0	0	4	1	6	11[a]
Centrilobular hepatocellular atrophy with fatty change	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	1	2	0	3
Periportal hepatocellular fatty change	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	3	4[a]
Total number of rats with hepatocellular fatty change or fatty degeneration	Control	0	0	1	4	4	9
	50 ppm	0	0	0	5	7	12[a]
	100 ppm	0	0	1	6	7	14[a]
	200 ppm	0	0	6	6	10	22[a]
Focus of hepatocellular alteration - eosinophilic ground glass appearance	Control	0	0	1	7	9	17
	50 ppm	0	0	1	5	9	15
	100 ppm	0	0	1	5	9	15
	200 ppm	0	0	3	1	6	10

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	[illegible]
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER (cont'd)							
Focus of hepatocellular alteration - clear cell appearance	Control	0	0	0	2	3	5
	50 ppm	0	0	1	0	2	3
	100 ppm	0	0	0	0	2	2
	200 ppm	0	0	0	1	1	2
Focus of hepatocellular alteration - basophilic appearance	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	1	1
Area of hepatocellular alteration - eosinophilic ground glass appearance	Control	0	0	0	2	2	4
	50 ppm	0	0	0	3	1	4
	100 ppm	0	0	0	1	2	3
	200 ppm	0	0	0	0	3	3
Area of hepatocellular alteration - basophilic appearance	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Generalized vacuolization of hepatocytes	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Focal hepatic necrosis	Control	0	0	0	4	1	5
	50 ppm	0	0	0	3	1	4
	100 ppm	0	0	1	1	0	2
	200 ppm	0	0	0	2	0	2
Generalized hepatic necrosis	Control	0	0	2	2	0	4
	50 ppm	0	0	0	3	0	3
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	2	0	2
Increased hematogenous pigment in the reticuloendothelial cells	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	2	0	2
Focal vascular sinusoidal dilatation	Control	0	0	0	14	11	25
	50 ppm	0	0	0	1	1	2[a]
	100 ppm	0	0	0	1	2	3[a]
	200 ppm	0	0	0	2	6	8
Focal vascular dilation with hepatocellular alteration	Control	0	0	0	1	1	2
	50 ppm	0	0	0	1	2	3
	100 ppm	0	0	0	1	2	3
	200 ppm	0	0	0	0	1	1
Focal extramedullary hematopoiesis	Control	0	0	2	2	1	5
	50 ppm	0	0	1	4	0	5
	100 ppm	0	1	2	3	1	7
	200 ppm	0	0	1	2	1	4

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER (cont'd)							
Focal biliary hyperplasia	Control	0	0	0	1	2	3
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	1	1
Focal periportal fibrosis or sclerosis	Control	0	0	0	1	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	2	0	0	2
Multiloculated biliary cyst formation	Control	0	0	0	6	6	12
	50 ppm	0	0	0	2	1	3
	100 ppm	0	0	0	4	2	6
	200 ppm	0	0	0	1	1	2
Focus of mononuclear inflammatory cells located within the hepatic lobule or portal area	Control	0	1	15	37	22	75
	50 ppm	0	0	5	24	17	46
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	12	20	15	47
RESPIRATORY SYSTEM							
Trachea							
Focal subepithelial mononuclear inflammatory cell infiltrate	Control	0	1	9	15	7	32
	50 ppm	0	0	2	4	8	14
	100 ppm	0	1	0	4	2	7[a]
	200 ppm	0	0	3	6	4	13
Lungs							
Chronic pulmonary lesions characterized by edema, interstitial thickening and fibrosis, inflammatory cell infiltrate and exudation of cells into the alveoli, with or without atelectasis (associated with advanced cardiac or renal lesions)	Control	0	0	0	3	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Peribronchial mononuclear inflammatory cell infiltrate	Control	0	0	15	36	23	74
	50 ppm	0	0	4	24	18	46
	100 ppm	0	3	4	23	17	47
	200 ppm	0	0	13	19	15	47
Focal interstitial pneumonitis	Control	0	0	1	2	0	3
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	1	1	3
Focal alveolar histiocytosis	Control	0	0	12	18	14	44
	50 ppm	0	0	2	13	12	27
	100 ppm	0	1	2	7	10	20
	200 ppm	0	0	7	5	6	18

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

SL 082058

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
RESPIRATORY SYSTEM (cont'd)							
Lungs (cont'd)							
Focal granulomatous inflammatory reaction	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Focal cholesterol cleft formation	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Focal metaplastic bone formation within the lung	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal mineralization of the interalveolar septae	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0
Focal pleural fibrosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal adenomatous hyperplasia of alveolar lining epithelium	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
URINARY SYSTEM							
Kidney							
Minimal degree of chronic nephropathy	Control	0	0	10	27	9	46
	50 ppm	0	0	4	19	10	33
	100 ppm	0	1	3	15	12	31
	200 ppm	0	0	10	10	10	30
Moderate degree of chronic nephropathy	Control	0	0	2	8	10	20
	50 ppm	0	0	0	2	6	8
	100 ppm	0	0	0	5	3	8
	200 ppm	0	0	1	6	3	10
Severe degree of chronic nephropathy	Control	0	0	2	4	3	9
	50 ppm	0	0	0	2	2	4
	100 ppm	0	0	1	4	2	7
	200 ppm	0	0	0	3	2	5
End stage nephropathy	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	1	1	0	2

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER (cont'd)							
Focal biliary hyperplasia	Control	0	0	0	1	2	3
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	1	1
Focal periportal fibrosis or sclerosis	Control	0	0	0	1	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	2	0	0	2
Multiloculated biliary cyst formation	Control	0	0	0	6	6	12
	50 ppm	0	0	0	2	1	3
	100 ppm	0	0	0	4	2	6
	200 ppm	0	0	0	1	1	2
Focus of mononuclear inflammatory cells located within the hepatic lobule or portal area	Control	0	1	15	37	22	75
	50 ppm	0	0	5	24	17	46
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	12	20	15	47
RESPIRATORY SYSTEM							
Trachea							
Focal subepithelial mononuclear inflammatory cell infiltrate	Control	0	1	9	15	7	32
	50 ppm	0	0	2	4	8	14
	100 ppm	0	1	0	4	2	7[a]
	200 ppm	0	0	3	6	4	13
Lungs							
Chronic pulmonary lesions characterized by edema, interstitial thickening and fibrosis, inflammatory cell infiltrate and exudation of cells into the alveoli, with or without atelectasis (associated with advanced cardiac or renal lesions)	Control	0	0	0	3	0	3
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Peribronchial mononuclear inflammatory cell infiltrate	Control	0	0	15	36	23	74
	50 ppm	0	0	4	24	18	46
	100 ppm	0	3	4	23	17	47
	200 ppm	0	0	13	19	15	47
Focal interstitial pneumonitis	Control	0	0	1	2	0	3
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	1	1	3
Focal alveolar histiocytosis	Control	0	0	12	18	14	44
	50 ppm	0	0	2	13	12	27
	100 ppm	0	1	2	7	10	20
	200 ppm	0	0	7	5	6	18

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
RESPIRATORY SYSTEM (cont'd)							
Lungs (cont'd)							
Focal granulomatous inflammatory reaction	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Focal cholesterol cleft formation	Control	0	0	0	0	1	-
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Focal metaplastic bone formation within the lung	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal mineralization of the inter-alveolar septae	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0
Focal pleural fibrosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal adenomatous hyperplasia of alveolar lining epithelium	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
URINARY SYSTEM							
Kidney							
Minimal degree of chronic nephropathy	Control	0	0	10	27	9	46
	50 ppm	0	0	4	19	10	33
	100 ppm	0	1	3	15	12	31
	200 ppm	0	0	10	10	10	30
Moderate degree of chronic nephropathy	Control	0	0	2	8	10	20
	50 ppm	0	0	0	2	6	8
	100 ppm	0	0	0	5	3	8
	200 ppm	0	0	1	6	3	10
Severe degree of chronic nephropathy	Control	0	0	2	4	3	9
	50 ppm	0	0	0	2	2	4
	100 ppm	0	0	1	4	2	7
	200 ppm	0	0	0	3	2	5
End stage nephropathy	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	1	1	0	2

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
URINARY SYSTEM (cont'd)							
Kidney (cont'd)							
Focal mineral deposit within the kidney	Control	0	0	5	11	7	23
	50 ppm	0	0	1	6	4	11
	100 ppm	0	1	2	8	10	21
	200 ppm	0	0	4	3	4	11
Focus of mononuclear cell infiltrate	Control	0	0	0	5	0	5
	50 ppm	0	0	0	1	1	2
	100 ppm	0	1	1	0	0	2
	200 ppm	0	0	1	0	0	1
Multifocal mononuclear cell infiltrate	Control	0	0	8	25	14	47
	50 ppm	0	0	0	0	10	10[a]
	100 ppm	0	0	0	9	11	20
	200 ppm	0	0	3	7	8	18
Hydronephrosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Acute suppurative pyelonephritis	Control	0	0	0	1	0	1
	50 ppm	0	0	1	1	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal cortical cysts	Control	0	0	0	0	2	2
	50 ppm	0	0	0	1	2	3
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Focal chronic inflammation, infarction, and vascular fibrosis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal cortical abscess	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Glomerular necrosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal renal cortical tubular hyperplasia	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
URINARY SYSTEM (cont'd)							
Urinary Bladder							
Urocystitis	Control	0	0	1	0	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
GASTROINTESTINAL TRACT							
Tongue							
Subepithelial focus of mononuclear inflammatory cell infiltrate without a foreign body present	Control	0	0	9	16	15	40
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	5	12	9	26
Subepithelial focus of mononuclear inflammatory cell infiltrate with a foreign body present	Control	0	0	0	4	1	5
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	4	5
Focal granulomatous inflammation without a foreign body present	Control	0	0	2	7	2	11
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1[a]
Focal granulomatous inflammation with a foreign body present	Control	0	0	0	3	4	7
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	3	5
Lingual cyst with foreign body granulomatous inflammation	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Atrophy of the lingual serous glands	Control	0	0	1	5	1	7
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	3	2	0	5
Vascular fibrinoid degeneration	Control	0	0	0	4	3	7
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	1	3
Focus of parakeratosis and hyperkeratosis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
GASTROINTESTINAL TRACT (cont'd)							
Salivary Glands							
Focal chronic inflammation with or without fibrosis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	0	0	2
Atrophy	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Stomach							
Submucosal edema of the nonglandular portion	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Focal gastric ulceration and hemorrhage	Control	0	0	0	1	0	1
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	1	0	2
Hyperplasia and/or hyperkeratosis of the gastric nonglandular epithelium	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Mineralization of gastric mucosa	Control	0	0	0	1	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0
Uremic gastritis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Embryologic malformation in the glandular portion of the stomach	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1
Infarction secondary to mesenteric periarteritis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Large Intestine							
Intestinal nematodiasis	Control	0	0	1	5	9	15
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	1	3	6

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
GASTROINTESTINAL TRACT (cont'd)							
Pancreas							
Focal atrophy of pancreatic acinar tissue	Control	0	0	6	12	12	30
	50 ppm	0	0	0	6	11	17
	100 ppm	0	2	0	5	8	15
	200 ppm	0	0	3	9	6	18
Focal interstitial pancreatitis	Control	0	0	5	12	11	28
	50 ppm	0	0	0	6	11	17
	100 ppm	0	1	0	5	9	15
	200 ppm	0	0	3	8	6	17
CARDIOVASCULAR SYSTEM							
Heart							
Minimal degree of focal myocardial degeneration and fibrosis	Control	0	1	7	22	13	43[a]
	50 ppm	0	0	1	19	14	34[a]
	100 ppm	0	1	3	15	12	31
	200 ppm	0	0	6	11	9	26
Moderate degree of focal myocardial degeneration and fibrosis	Control	0	0	2	9	7	18
	50 ppm	0	0	0	3	2	5
	100 ppm	0	0	0	6	2	8
	200 ppm	0	0	0	3	2	5
Severe degree of focal myocardial degeneration and fibrosis	Control	0	0	0	3	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	0	1
	200 ppm	0	0	1	1	0	2
Left atrial thrombosis	Control	0	0	0	1	1	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Endocardial fibroelastosis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	1	0	0	1
	200 ppm	0	0	0	0	0	0
Focal myocardial mineralization	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Aorta							
Aortic mineralization	Control	0	0	0	1	1	2
	50 ppm	0	0	0	2	0	2
	100 ppm	0	1	0	2	0	3
	200 ppm	0	0	1	0	0	1
Enlarged aortic body	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
CARDIOVASCULAR SYSTEM (cont'd)							
Mesenteric and Other Vessels							
Periarteritis and sclerosis	Control	0	1	1	2	6	10
	50 ppm	0	0	0	1	2	3
	100 ppm	0	0	0	2	2	4
	200 ppm	0	0	2	5	2	9
Hyalinization, sclerosis, and/or fibrinoid degeneration suggestive of periarteritis	Control	0	0	0	5	6	11
	50 ppm	0	0	0	1	5	6
	100 ppm	0	0	0	2	3	5
	200 ppm	0	0	1	5	1	7
Mineralization	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	1	0	0	1	2
	200 ppm	0	0	0	0	0	0
REPRODUCTIVE SYSTEM							
Ovary							
Ovarian cyst formation	Control	0	0	0	5	5	10
	50 ppm	0	0	1	3	1	5
	100 ppm	0	0	0	5	2	7
	200 ppm	0	0	1	1	2	4
Chronic suppurative oophoritis and/or salpingitis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	1	2
Uterus							
Multiple areas of cystic endometrial hyperplasia	Control	0	0	1	9	13	23
	50 ppm	0	0	0	4	5	9
	100 ppm	0	0	0	5	9	14
	200 ppm	0	0	1	3	4	8
Atrophy of uterus	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Chronic suppurative exudate within uterine horn	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	1	2
Squamous metaplasia of uterus with or without keratinization	Control	0	0	0	1	5	6
	50 ppm	0	0	0	0	2	2
	100 ppm	0	0	0	0	5	5
	200 ppm	0	0	1	0	1	2
Chronic suppurative cervicitis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
NERVOUS SYSTEM AND ENDOCRINE SYSTEM							
Brain							
Focal malacia of the brain	Control	0	0	1	2	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Focal myelin vacuolation in cerebrum and cerebellum	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Spinal Cord							
Vacuolization of myelin	Control	0	0	2	12	22	36
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	2	6	14	22
Peripheral Nerves							
Vacuolization of myelin	Control	0	0	1	17	22	40
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	3	5	14	22
Pituitary Gland							
Sinusoidal dilatation	Control	0	0	0	2	3	5
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	1	1	1	3
	200 ppm	0	0	0	1	2	3
Hyperplastic focus	Control	0	0	0	2	1	3
	50 ppm	0	0	0	2	1	3
	100 ppm	0	0	0	1	2	3
	200 ppm	0	0	1	0	1	2
Hematocyst formation	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Adrenal Glands							
Hematocyst formation	Control	0	0	5	25	14	44
	50 ppm	0	0	3	14	12	29
	100 ppm	0	1	3	19	15	38[a]
	200 ppm	0	0	3	14	11	28
Focal lipomatosis of the adrenal cortex	Control	0	0	1	17	5	23
	50 ppm	0	0	1	5	7	13
	100 ppm	0	0	0	8	7	15
	200 ppm	0	0	0	6	5	11

[a]Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
NERVOUS SYSTEM (cont'd)							
Adrenal Glands (cont'd)							
Focal hyperplasia of the adrenal cortex	Control	0	0	0	6	5	11
	50 ppm	0	0	0	3	2	5
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	0	2	2
Focal hyperplasia of the adrenal medulla	Control	0	0	0	3	8	11
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	3	1	4
	200 ppm	0	0	0	1	2	3
Thyroid Gland							
Focal hyperplasia of C cells	Control	0	0	0	4	5	9
	50 ppm	0	0	0	3	6	9
	100 ppm	0	0	0	2	5	7
	200 ppm	0	0	1	3	4	8
Parathyroid Gland							
Parathyroid hyperplasia	Control	0	0	1	3	1	5
	50 ppm	0	0	0	1	1	2
	100 ppm	0	1	0	3	0	4
	200 ppm	0	0	1	3	0	4
SUBCUTANEOUS TISSUE, MAMMARY GLAND AND INTEGUMENT							
Mammary Gland							
Mammary gland hyperplasia	Control	0	0	1	10	9	20
	50 ppm	0	0	1	4	3	8
	100 ppm	0	1	0	6	7	14
	200 ppm	0	0	2	5	3	10
Mammary gland galactocele formation	Control	0	0	0	3	5	8
	50 ppm	0	0	1	6	3	10
	100 ppm	0	1	0	4	3	8
	200 ppm	0	0	0	2	3	5
Mammary gland cyst	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mammary gland abscess	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Epidermal inclusion cyst	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
SUBCUTANEOUS TISSUE, MAMMARY GLAND AND INTEGUMENT (cont'd)							
Mammary Gland (cont'd)							
Subcutaneous abscess in the midcervical region	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Clitoral gland abscess	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
MUSCULOSKELETAL SYSTEM							
Skeletal Muscle							
Atrophy	Control	0	0	4	9	10	23
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	8	6	15
Chronic ankylosing arthritis of a rear limb	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
EYES							
Chronic focal keratitis	Control	0	0	2	0	1	3
	500 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Cataract	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
ADIPOSE TISSUE							
Atrophy of mediastinal fat	Control	0	0	1	9	2	12
	50 ppm	0	0	1	1	1	3
	100 ppm	0	1	0	2	0	3
	200 ppm	0	0	2	7	1	10
Intraabdominal fat necrosis	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
LYMPHORETICULAR SYSTEM							
Mediastinal Lymphoid Tissue							
Hematogenous pigment deposits	Control	0	0	1	3	1	5
	50 ppm	0	0	0	1		1
	100 ppm	0	0	0	0		0
	200 ppm	0	0	0	1		1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LYMPHORETICULAR SYSTEM (cont'd)							
Mediastinal Lymphoid Tissue (cont'd)							
Atrophy	Control	0	0	1	2	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplasia	Control	0	0	1	2	0	3
	50 ppm	0	0	1	3	0	4
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Mesenteric Lymph Nodes							
Sinusoidal vascular dilatation	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Hyperplasia	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Atrophy	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Edema	Control	0	1	0	2	0	3
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Other Lymph Nodes							
Hyperplasia	Control	0	0	1	2	1	4
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
Spleen							
Atrophy of spleen with or without hemosiderin pigment	Control	0	0	5	7	1	13
	50 ppm	0	0	0	4	0	4
	100 ppm	0	1	0	1	0	2
	200 ppm	0	0	3	8	0	11
Increased hemosiderin deposits within the spleen	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 17 (cont'd)

NONTUMOROUS HISTOPATHOLOGIC LESIONS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LYMPHORETICULAR SYSTEM (cont'd)							
Spleen (cont'd)							
Hyperplasia	Control	0	0	1	0	0	1
	50 ppm	0	0	1	2	1	4
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Increased extramedullary hematopoiesis in spleen	Control	0	1	7	23	6	37
	50 ppm	0	0	2	11	2	15
	100 ppm	0	2	3	6	8	19
	200 ppm	0	0	6	7	2	15

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 18

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN FEMALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER							
Nodular proliferation in liver - primary site	Control	0	0	1	1	0	2
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	2	3
Nodular proliferation in liver - metastatic foci	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Diffuse tumor infiltrate and enlarged - associated with lymphoid proliferation	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
KIDNEY							
Tumor - primary site	Control	0	1	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Tumor - metastatic lesion	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
RESPIRATORY SYSTEM							
Lungs							
Focal nodule of metastatic tumor	Control	0	1	0	1	0	2
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
GASTROINTINESTINAL TRACT							
Proliferative lesion involving the tongue	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	3	0	4
Small intestinal tumor or diverticulum	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	0	0	0
Large intestinal tumor	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Pancreatic nodule - primary site	Control	0	0	0	3	3	6
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	0	1	1	2

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 18 (cont'd)

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN FEMALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
GASTROINTESTINAL TRACT (cont'd)							
Pancreatic nodule - metastatic lesion	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
REPRODUCTIVE SYSTEM							
Ovarian tumor	Control	0	0	0	2	0	2
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Uterus - endometrial polyp(s) - number of animals with polyp(s)	Control	0	0	0	8	8	16
	50 ppm	0	0	0	4	11	15
	100 ppm	0	0	0	6	1	7
	200 ppm	0	0	4	4	4	12
Uterus - tumor - primary site	Control	0	0	0	1	3	4
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	2	0	2
Uterus - tumor - metastatic lesion	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Cervix tumor	Control	0	0	0	2	0	2
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
PITUITARY GLAND							
Pituitary gland - increased in size	Control	0	0	4	11	9	24
	50 ppm	0	0	0	8	8	16
	100 ppm	0	0	2	8	6	16
	200 ppm	0	0	2	5	3	10
THYROID GLAND							
Thyroid increased in size	Control	0	0	0	3	1	4
	50 ppm	0	0	0	1	2	3
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	4	1	5
ADRENAL GLAND							
Enlarged - unilateral	Control	0	0	1	13	2	16
	50 ppm	0	0	0	3	5	8
	100 ppm	0	0	1	6	1	8
	200 ppm	0	0	0	5	4	9
Enlarged - bilateral	Control	0	0	1	3	1	5
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 18 (cont'd)

TUMOR OR TUMOR-LIKE LESIONS GROSSLY RECOGNIZED IN FEMALE RATS
MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
MUSCULOSKELETAL SYSTEM							
Boney proliferation of mandible	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
LYMPHORETICULAR SYSTEM							
Lymph node - tumor consisting of lymphoid tissue	Control	0	0	1	3	0	4
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Local invasion of tumor with regional lymph node involved	Control	0	1	1	2	0	4
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	1	0	0	1
Thymus enlarged	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Splenomegaly - tumor related	Control	0	[illegible]	0	2	0	2
	50 ppm	0	[illegible]	0	0	0	0
	100 ppm	0	[illegible]	0	0	0	0
	200 ppm	0	[illegible]	0	0	0	0
INTEGUMENTARY SYSTEM							
Subcutaneous tumors - mammary and midcervical region	Control	0	0	11/9[a]	64/33[a]	29/17[a]	104/59[a]
	50 ppm	0	0	9/5[a]	43/22[a]	19/13[a]	71/40[a]
	100 ppm	0	2/2[a]	2/2[a]	45/23[a]	19/10[a]	68/37[a]
	200 ppm	0	0	12/9[a]	22/12[a]	30/15[a]	64/36[a]
Subcutaneous tumor - eye, ear and head region	Control	0	0	1	0	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	1	0	1
Subcutaneous tumor - body/limb	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
MISCELLANEOUS							
Nodule in omentum	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Intra-abdominal tumor - origin uncertain	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

[a]Number of tumors/number of animals with tumors.

TABLE 19

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LIVER							
Neoplastic nodule (hepatocellular hyperplastic nodule)	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	1	2
Hepatocellular carcinoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
URINARY SYSTEM							
Kidney							
Renal tubular adenocarcinoma with pulmonary metastasis	Control	0	1	0	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Renal tubular adenoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Renal hemangioma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
GASTROINTESTINAL TRACT							
Tongue							
Keratoacanthoma	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Squamous cell carcinoma without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	1	2	0	3
Hard Palate							
Squamous cell carcinoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Salivary Gland							
Hemangioma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	1	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 19 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
GASTROINTESTINAL TRACT (cont'd)							
Esophagus							
Squamous cell carcinoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Small Intestine							
Mucinous cystadenocarcinoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Leiomyosarcoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Large Intestine							
Adenocarcinoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Pancreas							
Acinar adenoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Islet cell adenoma	Control	0	0	0	1	4	5
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	0	1	6	7
REPRODUCTIVE SYSTEM							
Ovary							
Granulosa cell tumor without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Leiomyoma	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Lipoma of the mesovarium	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 19 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	43	60
	50 ppm	0	0	3	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
REPRODUCTIVE SYSTEM							
Ovary (cont'd)							
Stromal sarcoma of the ovary without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	1	0	0	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Uterus							
Endometrial polyps	Control	0	0	0	12	9	21
	50 ppm	0	0	0	5	9	14
	100 ppm	0	0	0	6	3	9
	200 ppm	0	0	4	7	4	15
Squamous papilloma of the endometrium	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Uterine adenocarcinoma without metastasis	Control	0	0	0	2	1	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Endometrial medullary carcinoma with metastasis to urinary bladder, lymph nodes, and small intestine	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Leiomyosarcoma without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Stromal sarcoma of uterus or cervix without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	2	0	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Stromal sarcoma of uterus or cervix with intra-abdominal metastasis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Cervix							
Fibroma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	1
NERVOUS SYSTEM AND ENDOCRINE GLANDS							
Brain							
Astrocytoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 19 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
NERVOUS SYSTEM AND ENDOCRINE GLANDS							
Pituitary Gland							
Adenoma	Control	0	0	3	12	9	24
	50 ppm	0	0	0	12	11	23[a]
	100 ppm	0	0	2	6	9	17
	200 ppm	0	0	1	5	8	14
Carcinoma without brain invasion	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	2	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Carcinoma with brain invasion	Control	0	0	2	1	0	3
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Adrenal Gland							
Adenoma of the adrenal cortex	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pheochromocytoma, unilateral	Control	0	0	0	2	3	5
	50 ppm	0	0	0	0	2	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
Pheochromocytoma, bilateral	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	1	1
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
Thyroid Gland							
C-cell adenoma	Control	0	0	0	3	4	7
	50 ppm	0	0	0	3	4	7
	100 ppm	0	0	1	3	2	6
	200 ppm	0	0	0	2	3	5
C-cell carcinoma without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1
MUSCULOSKELETAL SYSTEM							
Osteogenic sarcoma of the mandible without metastasis	Control	0	0	0	0	1	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0

[a] Significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

TABLE 19 (cont'd)

HISTOPATHOLOGIC DIAGNOSIS AND NUMBER OF TUMORS IN FEMALE RATS MAINTAINED ON WATER CONTAINING VINYLIDENE CHLORIDE FOR 24 MONTHS

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	6	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
LYMPHORETICULAR SYSTEM							
Generalized lymphosarcoma with widespread tissue involvement	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Lymphosarcoma of the mesenteric lymph nodes	Control	0	0	0	0	0	0
	50 ppm	0	1	0	0	1	1
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Lymphosarcoma involving a hind limb without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0
INTEGUMENTARY SYSTEM							
Subcutaneous lipoma	Control	0	0	0	1/1[d]	0	1/1[a]
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Subcutaneous fibrosarcoma with muscle invasion and lymph node metastasis	Control	0	0	0	1/1[a]	0	1/1[a]
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	0
Myxofibrosarcoma of the abdominal wall without metastasis	Control	0	0	0	1	0	0
	50 ppm	0	0	0	1/1[a]	0	1/1[a]
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Undifferentiated fibrosarcoma of the rear leg without metastasis	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1/1[a]	1/1[a]
	200 ppm	0	0	0	0	0	0
Mammary gland fibroadenoma/ adenofibroma	Control	0	0	10/8[a]	61/30[a]	25/16[a]	96/54[a]
	50 ppm	0	0	9/5[a]	39/22[a]	18/13[a]	66/40[a]
	100 ppm	0	1/1[a]	3/2[a]	39/22[a]	19/11[a]	62/36[a]
	200 ppm	0	0	11/8[a]	25/13[a]	28/14[a]	64/35[a]
Mammary gland adenoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1/1[a]	1/1[a]
	200 ppm	0	0	0	0	0	0
Mammary gland adenocarcinoma without metastasis	Control	0	0	0	3/3[a]	1/1[a]	4/4[a]
	50 ppm	0	0	0	1/1[a]	0	1/1[a]
	100 ppm	0	1/1[a]	0	1/1[a]	0	2/2[a]
	200 ppm	0	0	0	0	0	0
Mammary gland malignant fibrous histiocytoma	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	1/1[a]	1/1[a]
	200 ppm	0	0	0	0	0	0
Sebaceous squamous cell carcinoma of the external ear canal gland (Zymbal gland) without metastasis	Control	0	0	1	0	0	1
	50 ppm	0	0	0	1	0	1
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	1	0	1

Not significantly different from control data when analyzed using Fisher's Exact Probability Test, $p<0.05$.

[a]Number of tumors/number of animals with tumors.

SL 082079

TABLE 20

NUMBER OF FEMALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Liver	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Kidney	Control	0	1	15	41	23	80
	50 ppm	0	0	5	24	18	47
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Heart	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	19	15	47
Pancreas	Control	0	1	13	39	23	76
	50 ppm	0	0	5	24	18	47
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	19	15	47
Spleen	Control	0	1	15	40	23	79
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	23	17	47
	200 ppm	0	0	13	20	15	48
Lung	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Skeletal Muscle	Control	0	0	11	41	22	74
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	12	18	14	44
Mediastinal Lymphoid Tissue	Control	0	1	14	40	22	77
	50 ppm	0	0	5	23	18	46
	100 ppm	0	2	3	24	17	46
	200 ppm	0	0	13	19	14	46
Mediastinal Fat	Control	0	0	14	38	22	74
	50 ppm	0	0	5	24	16	45
	100 ppm	0	3	4	24	15	46
	200 ppm	0	0	12	19	15	46
Salivary Glands	Control	0	1	10	40	18	69
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	2
	200 ppm	0	0	11	19	13	43
Aorta	Control	0	1	13	37	22	73
	50 ppm	0	0	5	25	15	45
	100 ppm	0	3	3	24	16	46
	200 ppm	0	0	13	17	15	45
Esophagus	Control	0	1	13	38	21	73
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	22	17	46
	200 ppm	0	0	13	18	15	46

TABLE 20 (cont'd)

NUMBER OF FEMALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Trachea	Control	0	1	14	40	23	78
	50 ppm	0	0	5	25	16	46
	100 ppm	0	2	4	24	17	47
	200 ppm	0	0	13	19	15	47
Parathyroid	Control	0	1	13	30	23	67
	50 ppm	0	0	4	23	17	44
	100 ppm	0	2	3	21	13	39
	200 ppm	0	0	12	16	14	42
Thyroid	Control	0	1	14	37	23	75
	50 ppm	0	0	4	25	18	47
	100 ppm	0	2	4	24	17	47
	200 ppm	0	0	13	20	15	48
Stomach	Control	0	0	15	41	23	79
	50 ppm	0	0	5	24	18	47
	100 ppm	0	3	4	22	16	45
	200 ppm	0	0	13	20	15	48
Small Intestine	Control	0	1	15	40	23	79
	50 ppm	0	0	0	0	2	2
	100 ppm	0	0	0	3	1	4
	200 ppm	0	0	12	19	15	46
Large Intestine	Control	0	0	14	40	23	77
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	2	0	2
	200 ppm	0	0	13	18	15	46
Mesenteric Lymph Node	Control	0	1	14	39	22	76
	50 ppm	0	0	0	2	6	8
	100 ppm	0	0	0	5	3	8
	200 ppm	0	0	12	17	13	42
Mesenteric Vessels	Control	0	0	12	36	20	68
	50 ppm	0	0	0	1	4	5
	100 ppm	0	0	1	3	3	7
	200 ppm	0	0	11	17	10	38
Urinary Bladder	Control	0	1	14	41	23	79
	50 ppm	0	0	1	13	14	28
	100 ppm	0	2	0	13	13	28
	200 ppm	0	0	13	18	13	44
Uterus	Control	0	0	15	41	23	79
	50 ppm	0	0	1	13	15	29
	100 ppm	0	2	0	12	13	27
	200 ppm	0	0	13	19	14	46
Ovary	Control	0	0	15	41	23	79
	50 ppm	0	0	2	13	15	30
	100 ppm	0	2	0	13	13	28
	200 ppm	0	0	12	18	14	[illegible]
Oviduct	Control	0	0	15	40	23	7[illegible]
	500 ppm	0	0	2	13	15	3[illegible]
	100 ppm	0	2	0	13	13	2[illegible]
	200 ppm	0	0	13	17	14	44

SL 082081

TABLE 20 (cont'd)

NUMBER OF FEMALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Peripheral Nerve	Control	0	0	10	36	23	69
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	12	18	15	45
Spinal Cord	Control	0	0	13	39	23	75
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	12	19	15	46
Pituitary Gland	Control	0	1	14	38	23	76
	50 ppm	0	0	3	23	18	44
	100 ppm	0	2	4	23	17	46
	200 ppm	0	0	11	16	15	42
Adrenal Gland	Control	0	1	15	41	23	80
	50 ppm	0	0	5	24	18	47
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Cerebellum	Control	0	1	14	41	23	79
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	23	17	47
	200 ppm	0	0	13	19	15	47
Cerebral Cortex	Control	0	1	14	41	23	79
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	23	17	47
	200 ppm	0	0	13	20	15	48
Eyes	Control	0	0	5	4	11	20
	50 ppm	0	0	0	6	4	10
	100 ppm	0	0	0	4	10	14
	200 ppm	0	0	4	1	5	10
Tongue	Control	0	0	9	41	22	72
	50 ppm	0	0	0	1	1	2
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	7	19	15	41
Skin	Control	0	0	3	25	19	47
	50 ppm	0	0	0	1	3	4
	100 ppm	0	0	0	5	5	10
	200 ppm	0	0	1	13	13	27
Mediastinal Vessels	Control	0	0	0	3	2	5
	50 ppm	0	0	0	1	4	5
	100 ppm	0	0	0	0	2	2
	200 ppm	0	0	1	2	0	3
Clitoral Gland	Control	0	0	0	1	0	1
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0
Pineal Gland	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1

TABLE 20 (cont'd)

NUMBER OF FEMALE RATS FOR WHICH THE SPECIFIED TISSUE WAS EXAMINED MICROSCOPICALLY

(Rats Maintained for 24 Months on Water Containing Vinylidene Chloride)

		1-6 Months	7-12 Months	13-18 Months	19-24 Months	Terminal Kill	Cumulative Results
Number of rats autopsied during the time period indicated	Control	0	1	15	41	23	80
	50 ppm	0	0	5	25	18	48
	100 ppm	0	3	4	24	17	48
	200 ppm	0	0	13	20	15	48
Forelimb	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	1
Ear Canal	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0
Hard Palate	Control	0	0	0	0	0	0
	50 ppm	0	0	0	0	0	0
	100 ppm	0	0	0	1	0	1
	200 ppm	0	0	0	0	0	0

TABLE A-1

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 100	139	181	210	238	266	294	330	357	385	413
74-3066	476	517	542	565	588	594	606	598	614	627	645
3067	434	ND	501	514	530	536	539	552	564	576	593
3068	499	529	557	579	594	605	603	617	607	616	630
3069	434	ND	502	509	529	535	549	550	583	561	564
3070	453	535	568	567	580	604	610	609	612	611	616
3071	460	ND	534	546	551	561	566	556	574	577	589
3072	519	574	605	626	639	654	668	646	627	667	687
3073	524	ND	596	611	624	631	645	627	607	653	654
3074	459	515	540	559	561	581	579	556	609	596	626
3075	466	ND	516	517	541	541	548	530	560	569	574
3076	432	468	485	505	519	527	541	543	557	545	563
3077	468	ND	523	535	555	574	580	596	606	603	625
3078	477	567	589	613	644	662	659	660	683	673	677
3079	405	ND	469	470	497	512	510	514	534	531	545
3080	407	482	508	522	536	553	559	566	586	588	618
3081	438	ND	519	535	554	569	575	571	574	575	593
3082	475	539	573	573	589	600	588	590	459	←Dead→	
3083	475	ND	537	558	568	588	598	579	600	613	626
3084	470	493	503	515	525	526	542	543	548	551	577
3085	450	ND	525	544	564	564	578	577	590	596	618
3086	374	402	429	432	436	449	451	442	635	467	487
3087	530	ND	561	582	592	617	619	609	466	636	659
3088	421	477	508	526	550	562	563	577	587	582	599
3089	400	←				Dead					→
3090	548	573	568	640	651	665	677	676	699	697	715
3091	461	ND	454	501	516	535	541	544	←	Dead	→
3092	424	467	484	493	504	511	520	535	533	546	556
3093	401	ND	447	451	466	480	476	480	484	498	517
3094	476	529	545	571	595	603	618	592	617	614	631
3095	508	ND	598	609	632	641	654	636	665	678	701
3096	526	520	552	←			Dead				→
3097	493	ND	562	569	583	611	607	610	629	632	643
3098	505	535	591	601	618	627	633	631	640	631	653
3099	479	ND	533	543	553	563	566	565	577	579	602
3100	450	503	556	543	563	586	590	593	610	622	637
3101	436	ND	513	537	546	553	554	568	578	588	604
3102	475	547	602	626	657	660	673	687	706	710	739
3103	432	ND	507	518	528	531	540	541	562	555	578
3104	425	448	465	482	487	493	489	505	505	525	525
3105	529	ND	605	627	653	675	659	677	673	693	704
3106	529	ND	598	ND	616	ND	641	639	636	615	579
3107	437	ND	503	ND	527	ND	545	556	544	489	337
3108	478	ND	528	ND	547	ND	535	584	598	603	623
3109	412	ND	482	ND	515	ND	580	548	562	565	585
3110	444	ND	506	ND	505	ND	543	551	551	565	579
3111	430	ND	524	ND	566	ND	580	586	585	578	594
3112	481	ND	550	ND	549	ND	597	592	603	629	643
3113	506	ND	633	ND	676	ND	695	695	726	733	733
3114	589	ND	654	ND	657	ND	693	668	686	670	667
3115	486	ND	568	ND	602	ND	636	632	652	646	647
3116	465	ND	556	ND	595	ND	625	626	629	631	633
3117	501	ND	551	ND	591	ND	605	609	607	597	608
3118	453	ND	522	ND	556	ND	604	620	639	629	654
3119	539	ND	612	ND	646	ND	673	679	681	673	687
3120	492	ND	584	ND	592	ND	647	665	663	670	690
3121	440	ND	499	ND	526	ND	545	544	555	562	572
3122	527	ND	593	ND	610	ND	646	650	668	665	679
3123	505	ND	571	ND	607	ND	649	642	672	672	672
3124	413	ND	491	ND	492	ND	528	525	549	552	569
3125	467	ND	577	ND	625	ND	656	670	692	707	728
3126	498	ND	560	ND	583	ND	615	611	617	619	637
3127	469	ND	524	ND	554	ND	577	574	574	564	563
3128	477	ND	544	ND	574	ND	594	593	611	608	618
3129	525	ND	594	ND	629	ND	648	632	653	655	655
3130	436	ND	488	ND	512	ND	526	525	547	541	549
3131	425	ND	490	ND	521	ND	540	523	550	553	573
3132	434	ND	528	ND	541	ND	580	587	590	612	624
3133	507	ND	564	ND	606	ND	627	623	623	626	638
3134	479	ND	584	ND	612	ND	657	656	676	675	671
3135	453	ND	549	ND	603	ND	633	641	665	666	689
3472	423	ND	518	530	533	548	557	569	581	583	593
3474	494	ND	601	620	638	659	676	684	707	715	743
3476	466	ND	588	594	614	638	637	635	640	611	510
3478	450	ND	520	524	547	568	567	578	589	584	520
3480	519	ND	587	623	648	654	680	699	705	697	723
3482	522	ND	572	591	606	625	628	640	643	643	659
3484	465	ND	512	529	548	569	569	582	587	582	595
3486	459	ND	506	526	534	540	545	547	558	560	561
3488	407	ND	431	433	427	442	423	391	397	371	357
3490	419	ND	534	546	554	582	571	590	613	606	627
MEAN±SD	468±41	511±44	540±46	548±51	569±52	577±57	592±57	592±58	604±61	607±61	615±72

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

SL 082084

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3066	639	666	661	674	669	670	685	707	694	675	651	646
3067	583	609	611	615	614	599	626	625	637	600	560	562
3068	636	640	633	628	602	580	←		Dead			→
3069	571	578	576	577	586	581	582	587	599	573	557	556
3070	602	602	592	595	576	481	←		Dead			→
3071	577	585	586	590	565	563	570	564	554	←	Dead	→
3072	689	690	687	690	642	←			Dead			→
3073	653	659	653	657	585	605	532	←		Dead		→
3074	614	550	539	←				Dead				→
3075	584	584	573	589	538	559	583	559	501	←	Dead	→
3076	564	578	568	575	585	562	570	←		Dead		→
3077	638	651	651	657	658	654	660	645	648	597	←	Dead →
3078	680	698	705	700	685	659	672	623	551	←	Dead	→
3079	536	561	553	560	552	550	572	565	577	543	535	527
3080	614	633	636	629	638	639	655	656	653	608	568	567
3081	594	605	601	600	597	582	570	566	←		Dead	→
3082	←						Dead					→
3083	643	640	623	624	←				Dead			→
3084	572	564	567	582	577	599	597	←		Dead		→
3085	620	626	622	629	644	637	639	630	622	594	594	617
3086	479	489	483	493	493	488	496	497	521	522	586	640
3087	649	651	643	636	599	537	404	←		Dead		→
3088	584	597	592	601	586	560	568	552	539	485	←	Dead →
3089	←					Dead						→
3090	719	700	708	699	671	←			Dead			→
3091	←					Dead						→
3092	564	545	542	540	←			Dead				→
3093	514	526	527	520	535	553	568	597	623	678	632	620
3094	621	611	603	574	496	←			Dead			→
3095	694	702	702	699	674	702	684	686	673	599	527	498
3096	←					Dead						→
3097	607	633	623	616	←			Dead				→
3098	648	648	656	657	634	610	570	←		Dead		→
3099	614	617	610	617	615	623	637	631	662	←	Dead	→
3100	644	651	644	652	647	623	646	645	643	597	578	568
3101	611	605	601	611	603	562	572	556	542	536	505	492
3102	741	748	749	748	734	729	748	747	736	688	←	Dead →
3103	577	573	568	571	568	575	585	593	586	←	Dead	→
3104	529	541	517	544	545	544	548	545	549	529	482	Dead
3105	690	710	682	709	687	672	668	658	640	←	Dead	→
3106	←					Dead						→
3107	←					Dead						→
3108	633	ND	631	632	ND	617	625	609	595	547	←	Dead →
3109	575	ND	603	609	ND	606	615	630	639	611	566	Dead
3110	577	ND	594	611	ND	624	637	632	659	607	597	596
3111	562	←					Dead					→
3112	605	ND	638	654	ND	610	607	←		Dead		→
3113	699	ND	737	750	ND	666	660	549	←		Dead	→
3114	665	ND	←				Dead					→
3115	647	ND	670	669	ND	611	←		Dead			→
3116	649	ND	642	639	ND	562	549	←		Dead		→
3117	602	ND	597	595	←			Dead				→
3118	669	ND	670	684	ND	709	706	696	669	496	←	Dead →
3119	686	ND	669	678	ND	←			Dead			→
3120	707	ND	707	689	683	677	692	692	693	667	652	636
3121	581	ND	589	590	586	568	596	589	600	564	518	Dead
3122	692	ND	685	684	668	672	668	644	532	←	Dead	→
3123	673	ND	688	691	686	691	691	691	673	←	Dead	→
3124	573	ND	574	582	578	573	597	606	628	586	564	552
3125	754	ND	750	728	757	833	876	←		Dead		→
3126	650	ND	668	658	631	595	609	596	607	←	Dead	→
3127	506						Dead					→
3128	620	ND	635	643	632	631	←		Dead			→
3129	656	ND	653	650	636	602	624	466	←		Dead	→
3130	556	ND	564	559	556	555	580	567	582	556	559	552
3131	573	ND	571	587	586	575	591	579	582	527	←	Dead →
3132	640	ND	632	655	631	666	669	678	691	620	604	590
3133	626	ND	631	630	583	609	604	540	←		Dead	→
3134	677	ND	667	658	638	621	499	←		Dead		→
3135	709	ND	727	753	761	807	903	←		Dead		→
3472	603	608	606	606	599	615	617	581	598	566	554	520
3474	748	760	755	757	733	649	713	651	668	600	513	420
3476	596	500	470	←				Dead				→
3478	593	542	551	←				Dead				→
3480	715	700	663	←				Dead				→
3482	657	665	660	686	681	681	662	681	691	669	←	Dead →
3484	584	591	583	593	571	560	583	548	←		Dead	→
3486	570	577	570	68	560	571	564	566	578	549	548	547
3488	←						Dead					→
3490	634	640	610	648	609	625	560	←		Dead		→
MEAN±SD	624±58	619±62	625±61	633±58	618±60	615±65	621±81	610±59	617±57	586±54	566±44	563±58

ND = No data was available on these rats.

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test										
	100	139	181	210	238	266	294	330	357	385	413
74-3212	493	526	537	554	568	578	585	596	586	590	598
3213	503	ND	552	559	575	587	588	616	611	615	646
3214	463	495	503	516	531	541	549	517	583	592	592
3215	396	ND	460	472	480	492	500	468	524	531	550
3216	446	502	502	515	530	543	548	563	568	570	602
3217	469	ND	562	554	568	591	594	618	609	605	632
3218	546	608	621	643	665	685	683	701	717	706	706
3219	556	ND	630	648	656	663	668	673	688	682	697
3220	453	551	572	585	583	582	587	557	567	488	Dead
3221	432	ND	550	568	574	581	580	595	616	600	617
3222	507	548	564	564	526	594	586	598	602	603	622
3223	429	ND	511	516	579	537	552	562	563	569	598
3224	500	546	580	584	611	629	629	645	637	640	649
3225	462	ND	536	563	585	597	607	615	←	Dead	→
3226	469	523	544	558	572	584	593	616	629	605	641
3227	437	ND	491	505	537	522	531	559	567	570	587
3228	438	481	511	525	534	532	546	560	567	566	588
3229	524	ND	618	637	655	662	671	698	700	661	690
3230	463	ND	555	ND	573	ND	595	573	594	589	546
3231	384	ND	440	ND	459	ND	464	477	483	483	496
3232	461	ND	514	ND	537	ND	563	571	576	571	587
3233	462	ND	548	ND	570	ND	582	591	608	611	621
3234	450	ND	492	ND	524	ND	537	556	542	552	570
3235	433	ND	477	ND	498	ND	505	519	517	517	529
3236	432	ND	499	ND	508	ND	549	571	577	574	587
3237	436	ND	485	ND	516	ND	531	546	556	572	573
3238	453	ND	518	ND	534	ND	557	570	572	575	583
3239	471	ND	580	ND	608	ND	634	637	668	672	665
3240	507	ND	577	ND	612	ND	635	632	656	660	688
3241	501	ND	589	ND	626	ND	638	649	658	657	680
3242	539	ND	609	ND	628	ND	645	635	633	609	596
3243	480	ND	533	ND	548	ND	563	578	583	580	602
3244	410	ND	492	ND	510	ND	522	562	556	557	571
3245	455	ND	499	ND	520	ND	537	554	563	558	564
3246	514	ND	599	ND	590	ND	628	634	618	593	530
3247	432	ND	502	ND	522	ND	531	556	558	562	560
3248	460	ND	557	ND	546	ND	602	607	613	621	626
3249	465	ND	528	ND	545	ND	553	551	566	563	564
3532	476	520	544	563	573	585	611	625	625	628	649
3534	516	ND	569	582	600	607	616	614	627	605	652
3536	491	511	563	558	572	562	583	589	575	586	590
3538	498	ND	563	574	598	605	626	644	637	634	648
3540	475	498	521	520	526	535	545	553	548	555	572
3542	438	ND	478	480	523	523	541	550	555	554	568
3544	426	460	490	495	499	523	536	516	543	532	549
3546	426	ND	502	522	543	541	557	541	570	←	Dead →
3548	533	589	618	635	645	659	667	677	671	675	707
3550	469	ND	515	534	542	544	551	551	560	565	580
MEAN±SD	468±39	526±40	537±45	555±47	561±47	578±49	579±49	587±51	594±49	591±48	606±50

[a]Reports were already done for the first 97 days.

ND = No data was available on these rats.

SL 082086

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3212	636	619	610	602	602	601	607	602	617	593	616	634
3213	609	633	640	626	624	611	604	605	603	566	404	Dead
3214	615	604	611	623	623	603	623	635	712	←	Dead	→
3215	557	571	573	579	587	589	605	598	606	560	← Dead	→
3216	599	597	593	596	576	552	459	←		Dead		→
3217	632	628	629	630	617	624	625	610	620	578	← Dead	→
3218	683	←					Dead					→
3219	667	670	674	618	←			Dead				→
3220	←					Dead						→
3221	615	633	631	632	623	649	694	748	←		Dead	→
3222	599	573	576	565	←				Dead			→
3223	602	621	617	629	625	627	592	←		Dead		→
3224	645	659	654	654	634	615	495	←		Dead		→
3225	←					Dead						→
3226	656	662	655	658	659	613	620	609	573	←	Dead	→
3227	594	596	588	593	596	595	608	594	596	595	581	583
3228	593	591	594	597	519	←			Dead			→
3229	694	696	695	707	695	643	←		Dead			→
3230	←					Dead						→
3231	499	ND	495	493	486	409	←		Dead			→
3232	592	ND	596	604	589	583	588	577	580	557	524	524
3233	630	ND	630	636	618	612	610	596	572	←	Dead	→
3234	567	ND	569	562	544	493	←		Dead			→
3235	532	ND	536	←			Dead					→
3236	590	ND	588	589	586	549	563	556	558	511	399	Dead
3237	589	ND	590	598	587	574	591	591	584	561	524	534
3238	612	ND	614	652	707	903	←		Dead			→
3239	683	ND	655	662	642	621	598	←		Dead		→
3240	695	ND	675	664	655	645	633	←		Dead		→
3241	686	ND	679	687	657	←		Dead				→
3242	←				Dead							→
3243	600	ND	591	←			Dead					→
3244	566	ND	568	549	546	520	519	415	←	Dead		→
3245	564	ND	573	564	577	575	581	546	←	Dead		→
3246	←					Dead						→
3247	559	ND	572	576	575	575	587	589	601	571	547	524
3248	628	ND	524	397	←			Dead				→
3249	564	ND	528	547	←			Dead				→
3532	←				Dead							→
3534	642	650	646	651	612	594	596	563	←	Dead		→
3536	591	592	585	588	576	535	520	524	498	←	Dead	→
3538	656	649	655	635	613	532	←		Dead			→
3540	574	561	576	572	584	588	580	585	577	529	← Dead	→
3542	573	574	573	559	568	519	383	←		Dead		→
3544	512	536	536	538	533	433	←		Dead			→
3546	←					Dead						→
3548	693	703	705	694	684	663	659	645	557	←	Dead	→
3550	569	579	502	566	573	561	559	562	555	←	Dead	→
MEAN±SD	611±48	617±44	602±51	602*±58	602±49	588±82	581±63	588±61	588±45	562±26	514±83	560±48

*Significantly different from control mean by Dunnett's test, $p<0.05$.
ND = No data was available on these rats.

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 100	139	181	210	238	266	294	330	357	385	413
74-3174	514	561	593	612	620	635	644	641	645	644	649
3175	515	ND	594	610	638	654	664	654	684	695	689
3176	560	606	635	649	664	679	677	685	703	687	696
3177	528	ND	602	614	622	640	660	663	662	649	662
3178	509	569	594	607	618	627	631	634	636	626	621
3179	439	ND	508	515	537	548	558	577	579	586	592
3180	485	551	557	567	577	592	600	601	619	603	626
3181	508	ND	601	609	615	636	640	647	654	639	646
3182	515	571	586	609	624	637	649	662	669	662	671
3183	485	ND	551	578	589	607	607	609	609	600	599
3184	554	628	652	576	534	548	617	587	536	579	457
3185	560	ND	627	617	640	648	669	647	676	662	675
3186	408	448	474	485	494	516	525	552	558	558	585
3187	460	ND	554	530	536	539	576	587	604	603	620
3188	477	524	521	529	534	544	557	552	558	538	573
3189	568	ND	633	637	663	666	667	640	634	603	Dead
3190	456	517	536	557	567	590	593	569	588	576	531
3191	471	ND	537	551	566	566	580	571	596	584	582
3192	427	ND	501	ND	513	ND	542	563	565	559	558
3193	458	ND	535	ND	556	ND	587	585	596	594	599
3194	520	ND	564	ND	ND	ND	592	609	606	610	623
3195	477	ND	532	ND	553	ND	585	593	604	608	629
3196	477	ND	558	ND	ND	ND	603	618	603	599	600
3197	422	ND	500	ND	532	ND	539	539	549	546	554
3198	556	ND	631	ND	644	ND	666	685	692	676	642
3199	428	ND	489	ND	501	ND	538	558	562	578	529
3200	397	ND	480	ND	508	ND	528	548	546	541	565
3201	446	ND	505	ND	526	ND	529	548	554	547	568
3202	493	ND	560	ND	575	ND	604	641	643	650	669
3203	567	ND	673	ND	697	ND	721	739	746	728	741
3204	533	ND	587	ND	594	ND	624	634	635	634	637
3205	441	ND	486	ND	525	ND	548	515	504	573	586
3206	379	ND	452	ND	482	ND	517	541	547	548	563
3207	470	ND	570	ND	595	ND	617	633	622	606	605
3208	495	ND	556	ND	576	ND	632	654	663	661	665
3209	446	ND	544	ND	574	ND	598	629	623	632	646
3210	469	ND	524	ND	538	ND	470	← Dead →			
3211	458	ND	503	ND	536	ND	566	590	595	599	609
3512	481	504	518	535	551	571	578	605	620	619	625
3514	476	ND	527	539	549	567	575	588	590	587	597
3516	450	472	486	505	521	537	564	578	589	587	591
3518	457	ND	511	519	539	561	559	581	578	582	588
3520	581	617	650	667	693	704	709	710	705	713	733
3522	387	← Dead →									
3524	427	454	466	484	496	510	518	521	525	516	521
3526	446	ND	469	481	490	499	509	526	544	549	564
3528	531	586	610	630	641	669	679	← Dead →			
3530	413	ND	445	463	472	479	500	516	519	532	544
MEAN±SD	480±51	543±59	549±58	566±57	569±58	592±61	594±58	603±53	607±55	606±50	610±56

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3174	621	645	621	←				Dead				→
3175	702	697	700	706	696	705	734	726	752	728	683	Dead
3176	684	631	671	663	628	617	550	←		Dead		→
3177	648	605	634	643	611	593	571	450	←		Dead	→
3178	618	614	597	←				Dead				→
3179	597	611	613	617	598	597	600	559	←		Dead	→
3180	←					Dead						→
3181	635	625	626	616	←				Dead			→
3182	680	680	679	697	640	635	←			Dead		→
3183	582	598	586	585	462	←			Dead			→
3184	522	510	501	527	504	←			Dead			→
3185	679	663	662	650	625	433	←			Dead		→
3186	581	590	587	598	595	580	594	577	590	539	332	Dead
3187	612	618	609	617	594	584	598	578	576	544	371	419
3188	566	568	563	575	540	532	408	←		Dead		→
3189	←					Dead						→
3190	575	568	542	536	←				Dead			→
3191	622	627	624	630	611	607	605	586	562	499	←	Dead →
3192	557	ND	545	542	529	504	←			Dead		→
3193	614	ND	612	623	601	595	598	589	530	←		Dead →
3194	626	ND	615	587	516	←			Dead			→
3195	629	ND	647	658	660	651	656	656	672	655	640	654
3196	576	ND	564	428	←				Dead			→
3197	549	ND	489	436	←				Dead			→
3198	673	ND	669	683	641	632	608	534	←		Dead	→
3199	581	ND	582	595	579	529	515	438	526	473	472	416
3200	572	ND	574	584	576	←			Dead			→
3201	567	ND	569	581	530	547	545	541	414	←		Dead →
3202	680	ND	690	688	686	708	704	714	689	689	671	686
3203	764	ND	748	751	724	636	←			Dead		→
3204	643	ND	630	591	←				Dead			→
3205	590	ND	596	602	576	587	600	564	←		Dead	→
3206	566	ND	534	568	558	546	555	535	499	←		Dead →
3207	556	ND	358	←				Dead				→
3208	671	ND	666	664	647	630	628	601	612	564	516	513
3209	657	ND	665	665	664	677	694	677	693	666	638	654
3210	←					Dead						→
3211	606	ND	605	598	575	558	515	←		Dead		→
3512	634	633	633	633	591	630	633	621	621	589	517	570
3514	606	597	601	606	635	552	584	579	550	500	←	Dead →
3516	555	571	576	592	588	610	608	626	642	←		Dead →
3518	594	607	606	611	604	566	647	←		Dead		→
3520	726	717	712	708	593	←			Dead			→
3522	←					Dead						→
3524	512	516	508	510	←				Dead			→
3526	558	569	567	572	547	528	509	←		Dead		→
3528	←					Dead						→
3530	551	553	565	574	559	559	563	569	566	523	512	495
MEAN±SD	612±55	609±51	603±68	608±65	596±56	591±60	593±69	586±73	600±84	581±84	535±123	551±107

ND = No data was available on these rats.

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 100	139	181	210	238	266	294	330	357	385	413
74-3136	489	524	537	551	558	571	584	593	ND	587	586
3137	370	ND	423	439	455	469	477	492	ND	480	508
3138	526	571	576	603	616	619	633	633	ND	647	666
3139	461	ND	512	529	541	553	562	554	ND	559	582
3140	438	498	498	518	531	543	543	551	ND	548	560
3141	450	ND	516	529	541	553	566	580	ND	591	599
3142	484	558	577	597	612	622	634	631	ND	650	654
3143	470	ND	544	549	557	576	579	578	ND	586	591
3144	486	549	571	591	←			Dead			→
3145	502	ND	567	561	583	594	595	585	ND	574	597
3146	517	591	615	631	650	667	666	677	684	676	694
3147	382	ND	446	462	479	489	494	508	509	506	529
3148	487	517	538	551	564	568	584	593	603	608	620
3149	487	ND	535	549	565	580	587	581	589	588	588
3150	516	559	568	588	595	586	586	567	537	← Dead	→
3151	488	ND	561	566	592	611	616	625	627	631	634
3152	483	563	574	591	614	617	626	631	659	638	663
3153	512	ND	610	639	542	660	646	652	668	665	693
3154	482	ND	531	ND	ND	ND	558	566	582	582	587
3155	459	ND	562	ND	593	ND	616	619	631	635	651
3156	584	ND	637	ND	655	ND	691	670	682	674	698
3157	466	ND	569	ND	614	ND	630	←	Dead		→
3158	518	ND	619	ND	606	ND	656	658	656	638	640
3159	504	ND	567	ND	588	ND	616	622	625	636	651
3160	557	ND	641	ND	651	ND	725	728	732	741	754
3161	502	ND	546	ND	577	ND	418	←	Dead		→
3162	428	ND	487	ND	530	ND	575	571	597	585	608
3163	497	ND	594	ND	641	ND	681	669	699	678	701
3164	467	ND	567	ND	570	ND	624	631	650	659	666
3165	420	ND	500	ND	524	ND	541	543	555	558	565
3166	491	ND	569	ND	581	ND	600	596	588	557	547
3167	478	ND	559	ND	596	ND	621	629	645	645	650
3168	466	ND	575	ND	577	ND	640	649	659	648	657
3169	502	←				Dead					→
3170	491	ND	611	ND	644	ND	705	717	739	732	748
3171	397	ND	488	ND	520	ND	536	545	571	566	580
3172	527	ND	628	ND	626	ND	690	693	726	720	743
3173	467	ND	550	ND	512	ND	599	596	619	626	626
3492	416	564	469	604	627	639	497	496	524	521	523
3494	533	ND	599	480	486	494	641	557	655	648	658
3496	469	495	525	525	547	567	582	605	603	605	627
3498	515	ND	583	602	608	619	630	610	645	649	647
3500	474	494	511	519	529	545	542	578	558	554	570
3504	501	ND	531	561	585	591	620	628	638	632	622
3506	480	489	501	510	515	524	536	559	556	570	586
3508	472	ND	527	537	566	581	590	617	611	609	623
3510	416	432	449	464	479	496	498	495	510	ND	516
MEAN±SD	479±42	529±44	549±51	550±51	574±51	574±52	596±63	602±56	622±61	615±58	624±61

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

TABLE A-1 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE FOR 731 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3136	513	←					Dead					→
3137	519	527	520	526	526	538	541	528	556	523	512	Dead
3138	671	687	683	682	681	657	651	641	584	←	Dead	→
3139	576	585	577	582	575	565	503	←		Dead		→
3140	562	564	558	575	575	548	549	549	543	520	511	489
3141	615	621	621	626	624	631	632	604	616	592	548	564
3142	646	655	645	646	627	612	595	582	565	←	Dead	→
3143	587	596	592	595	561	553	470	←		Dead		→
3144	←					Dead						→
3145	582	←					Dead					→
3146	670	679	671	653	604	←			Dead			→
3147	529	529	525	531	523	513	526	513	508	496	461	468
3148	625	644	648	654	646	652	669	679	665	673	684	717
3149	572	575	578	570	553	537	518	410	←	Dead		→
3150	←					Dead						→
3151	632	638	634	644	626	616	619	599	575	←	Dead	→
3152	666	669	662	637	628	638	654	618	←	Dead		→
3153	680	683	677	692	645	←			Dead			→
3154	584	ND	590	603	605	61	616	613	610	592	422	568
3155	660	ND	666	672	653	64	642	592	←	Dead		→
3156	693	ND	686	686	655	←			Dead			→
3157	←					Dead						→
3158	626	ND	527	←				Dead				→
3159	650	ND	646	649	625	←			Dead			→
3160	726	ND	727	739	686	535	←			Dead		→
3161	←					Dead						→
3162	597	ND	610	604	ND	577	585	576	544		Dead	→
3163	680	ND	679	671	ND	613	480	←		Dead		→
3164	677	ND	684	681	ND	656	634			Dead		
3165	571	ND	570	573	ND	560	563	537	503	460	←	Dead →
3166	513	ND	403	←				Dead				→
3167	659	ND	654	673	639	631	623	588	557	←	Dead	→
3168	640	ND	624	611	542	336	←			Dead		→
3169	←					Dead						→
3170	736	ND	730	732	726	725	729	701	700	643	583	595
3171	580	ND	592	591	600	595	607	593	611	581	542	554
3172	733	ND	736	729	711	678	695	660	544	←	Dead	→
3173	617	ND	616	621	587	556	412	←		Dead		→
3492	542	546	539	543	529	521	535	491	←		Dead	→
3494	649	643	641	622	←				Dead			→
3496	628	634	625	644	635	648	657	655	668	645	614	615
3498	646	654	649	650	630	629	646	654	668	719	666	Dead
3500	579	574	568	571	585	586	602	588	581	563	550	523
3504	534	←					Dead					→
3506	577	←					Dead					→
3508	619	633	624	625	598	←			Dead			→
3510	507	512	508	511	484	479	381	←		Dead		→
MEAN±SD	616±61	612±55	618±69	628±57	609±56	588±73	583±83	590±67	589±57	584±77	554±80	566±74

ND = No data was available on these rats.

TABLE A-2

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test 100	139	181	210	238	266	294	330	357	385	413
74-3250	309	358	349	366	377	394	395	414	423	426	405
3251	318	ND	355	354	354	352	350	350	353	344	352
3252	286	311	314	321	330	329	336	341	347	343	356
3253	336	ND	371	370	378	386	399	401	431	419	449
3254	299	327	327	338	349	372	365	383	382	373	385
3255	277	ND	288	298	296	313	302	309	306	306	332
3256	315	335	352	326	349	351	342	346	347	334	325
3257	319	ND	363	347	384	383	393	393	416	382	392
3258	320	339	355	363	363	374	384	397	415	421	445
3259	328	ND	385	396	401	416	417	441	444	431	Dead
3260	348	378	391	394	405	395	413	412	411	405	430
3261	294	ND	326	333	333	354	354	365	371	369	382
3262	290	315	326	317	322	325	328	332	335	358	362
3263	292	ND	409	←				Dead			→
3264	289	314	322	332	340	340	367	390	408	395	Dead
3265	300	ND	339	343	351	365	365	378	374	377	389
3266	286	293	287	293	301	304	301	303	309	315	335
3267	274	ND	307	311	330	330	320	321	333	340	358
3268	301	330	328	337	350	364	362	384	390	386	423
3269	283	ND	313	315	325	328	329	333	338	340	347
3270	317	333	342	349	367	367	379	362	385	432	517
3271	292	ND	312	320	327	348	345	371	382	388	390
3272	288	319	325	329	332	346	344	346	341	361	371
3273	272	ND	318	325	342	339	345	353	349	356	387
3274	296	308	323	325	334	339	341	370	368	376	394
3275	289	ND	320	334	329	353	365	360	365	377	395
3276	281	309	314	320	323	333	333	340	342	347	357
3277	292	ND	334	331	339	351	320	378	381	394	399
3278	310	315	335	339	354	354	360	369	368	367	385
3279	283	ND	311	310	316	335	331	344	358	352	367
3280	274	284	290	300	298	309	298	304	307	298	314
3281	269	ND	289	297	299	314	309	321	323	333	359
3282	305	318	328	335	331	341	335	344	342	335	353
3283	303	ND	333	347	344	348	349	350	349	348	345
3284	291	323	338	344	354	384	363	364	359	360	365
3285	274	ND	304	310	321	324	328	332	339	345	364
3286	310	324	335	358	339	365	383	331	365	381	372
3287	307	ND	315	328	319	344	382	294	342	334	357
3288	309	317	347	336	328	354	353	358	366	383	393
3289	319	ND	341	335	341	361	360	374	365	375	397
3290	263	ND	303	ND	354	ND	318	322	330	324	356
3291	273	ND	312	ND	366	ND	327	327	317	320	316
3292	318	ND	347	ND	297	ND	355	354	346	357	375
3293	303	ND	333	ND	366	ND	364	350	340	344	353
3294	307	ND	356	ND	354	ND	362	381	351	364	381
3295	280	ND	320	ND	347	ND	329	344	328	334	348
3296	271	ND	298	ND	396	ND	310	315	326	326	338
3297	276	ND	300	ND	374	ND	335	339	337	339	344
3298	316	ND	348	ND	312	ND	375	354	386	380	395
3299	280	ND	327	ND	293	ND	358	351	360	380	381
3300	276	ND	312	ND	ND	ND	334	334	330	342	345
3301	278	ND	319	ND	ND	ND	341	342	349	360	383
3302	326	ND	349	ND	ND	ND	372	381	393	398	413
3303	292	ND	311	ND	ND	ND	328	337	333	331	340
3304	316	ND	332	ND	ND	ND	356	363	363	360	379
3305	271	ND	314	ND	ND	ND	324	320	311	306	318
3306	287	ND	301	ND	ND	ND	334	332	328	303	313
3307	300	ND	314	ND	ND	ND	360	362	354	327	347
3308	296	ND	334	ND	ND	ND	347	341	341	338	306
3309	273	ND	286	ND	ND	ND	314	330	319	316	295
3310	300	ND	323	ND	ND	ND	357	386	396	425	473
3311	269	ND	297	ND	ND	ND	318	322	313	315	323
3312	333	ND	349	ND	ND	ND	389	404	396	400	419
3313	326	ND	346	ND	ND	ND	366	365	364	367	391
3314	329	ND	361	ND	ND	ND	393	407	407	418	420
3315	280	ND	325	ND	ND	ND	341	352	341	352	368
3316	296	ND	341	ND	ND	ND	347	379	397	400	398
3317	288	ND	327	ND	ND	ND	365	351	368	359	363
3318	269	ND	299	ND	ND	ND	320	319	320	316	302
3319	325	ND	369	ND	ND	ND	394	394	393	380	350
3552	307	327	345	347	ND	368	385	375	375	387	385
3554	301	ND	337	340	ND	359	376	395	385	395	422
3556	255	284	286	294	ND	303	306	306	303	306	312
3558	298	ND	356	359	ND	384	393	410	409	436	441
3560	309	332	342	346	ND	369	343	383	363	362	380
3562	287	ND	315	330	ND	363	344	366	358	367	379
3564	347	366	398	383	ND	400	408	428	415	428	446
3566	303	ND	341	350	ND	397	381	386	397	414	443
3568	264	290	300	308	ND	317	317	319	318	320	333
3570	256	ND	283	286	ND	297	300	310	306	311	319
MEAN±SD	296±21	322±23	329±26	334±25	341±27	352±28	351±29	357±32	356±47	362±36	374±43

[a]Reports were already done for the first 97 days.
ND = No data available on these rats.

SL 082092

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF FEMALE RATS MAINTAINED IN DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test											
	441	469	472	497	533	568	596	624	652	687	715	729
74-3250	486	531	519	563	589	598	644	←	Dead	→		
3251	353	356	349	346	333	295	←	Dead	→			
3252	358	371	367	368	←	Dead	→					
3253	459	463	447	456	439	423	428	378	←	Dead	→	
3254	413	411	411	409	374	←	Dead	→				
3255	324	327	323	326	319	325	307	330	337	321	314	320
3256	390	376	359	←	Dead	→						
3257	433	449	438	487	535	←	Dead	→				
3258	455	471	469	476	468	509	538	585	660	690	←	Dead →
3259	←	Dead	→									
3260	424	433	429	425	428	428	424	424	444	467	476	Dead
3261	385	387	385	390	392	400	404	418	432	434	452	471
3262	377	372	369	371	376	385	385	383	399	437	←	Dead →
3263	←	Dead	→									
3264	←	Dead	→									
3265	381	407	394	←	Dead	→						
3266	322	259	←	Dead	→							
3267	356	355	355	361	363	360	390	375	385	368	383	402
3268	423	432	426	464	395	←	Dead	→				
3269	356	360	351	349	349	401	418	455	441	←	Dead	→
3270	←	Dead	→									
3271	413	420	421	434	446	459	470	462	456	375	332	Dead
3272	369	360	382	380	399	391	390	403	402	394	405	442
3273	397	383	405	411	417	426	435	452	474	454	465	483
3274	385	400	397	383	390	389	405	411	432	423	400	420
3275	395	418	422	411	405	429	419	←	Dead	→		
3276	364	373	365	379	274	385	349	357	←	Dead	→	
3277	419	427	412	425	317	430	506	←	Dead	→		
3278	387	406	397	406	←	Dead	→					
3279	356	368	356	359	264	398	418	431	456	429	432	448
3280	303	316	306	308	204	312	314	319	341	324	322	ND
3281	364	390	391	413	307	434	428	423	395	←	Dead	→
3282	349	344	343	344	302	349	364	364	373	399	446	Dead
3283	365	364	357	363	361	362	382	398	410	410	408	414
3284	329	362	354	362	348	351	347	334	340	335	←	Dead →
3285	343	370	369	374	378	396	399	321	←	Dead	→	
3286	374	389	383	376	404	425	462	452	351	←	Dead	→
3287	349	341	335	349	335	325	348	←	Dead	→		
3288	409	404	410	400	428	448	477	486	469	511	←	Dead →
3289	424	402	408	414	450	487	532	596	←	Dead	→	
3290	←	Dead	→									
3291	326	ND	329	332	336	345	363	357	376	365	334	346
3292	369	ND	379	370	432	506	704	←	Dead	→		
3293	359	ND	373	448	←	Dead	→					
3294	380	ND	383	391	403	420	441	461	504	521	526	576
3295	367	ND	357	360	365	362	380	385	400	427	373	513
3296	336	ND	339	349	349	357	357	365	386	410	431	431
3297	341	ND	349	352	359	370	383	394	418	442	488	498
3298	396	ND	418	418	383	459	484	471	492	507	497	513
3299	403	ND	422	418	358	408	402	387	392	386	333	273
3300	344	ND	341	347	296	359	369	354	366	360	229	401
3301	415	ND	450	544	←	Dead	→					
3302	432	ND	444	448	404	496	507	616	←	Dead	→	
3303	341	ND	354	350	323	483	←	Dead	→			
3304	379	ND	381	369	326	383	372	378	331	355	329	310
3305	313	ND	311	313	270	317	317	320	281	←	Dead	→
3306	332	ND	331	334	290	336	357	350	352	345	336	339
3307	373	ND	373	376	339	376	409	←	Dead	→		
3308	345	ND	338	325	225	←	Dead	→				
3309	346	ND	342	346	309	361	369	384	399	435	←	Dead →
3310	508	ND	578	638	←	Dead	→					
3311	314	ND	311	318	274	316	328	324	322	319	310	312
3312	442	ND	450	462	445	545	587	621	632	←	Dead	→
3313	365	ND	355	365	309	368	370	392	430	474	668	Dead
3314	415	ND	427	427	320	458	489	518	649	←	Dead	→
3315	368	ND	362	376	270	386	386	391	415	403	409	429
3316	402	ND	424	437	368	587	730	←	Dead	→		
3317	367	ND	387	386	288	404	418	414	428	413	406	404
3318	302	ND	322	326	207	322	285	327	364	335	←	Dead →
3319	363	ND	352	←	Dead	→						
3552	393	395	389	ND	397	413	429	454	517	622	←	Dead →
3554	440	444	446	444	449	466	514	←	Dead	→		
3556	314	325	318	321	318	327	334	356	←	Dead	→	
3558	438	472	457	462	464	476	525	536	←	Dead	→	
3560	382	400	401	411	446	504	546	←	Dead	→		
3562	382	390	381	385	389	393	412	441	←	Dead	→	
3564	451	473	464	484	534	495	775	←	Dead	→		
3566	444	446	441	459	483	629	572	652	←	Dead	→	
3568	333	345	341	340	346	344	320	357	373	344	326	332
3570	325	323	322	314	315	315	293	270	←	Dead	→	
MEAN±SD	379±44	391±50	386±50	393±62	370±80	410±73	426±94	417±86	421±83	419±82	401±88	412±79

ND = No data available on these rats.

SL 082093

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test										
	100	139	181	210	238	266	294	330	357	385	413
74-3398	312	320	323	322	314	331	329	324	348	333	343
3399	286	ND	343	342	366	380	384	372	393	399	410
3400	291	319	322	331	338	333	344	358	360	364	388
3401	318	ND	346	347	356	365	368	374	371	395	413
3402	271	282	297	305	312	310	317	321	313	313	322
3403	292	ND	322	324	338	349	343	366	362	363	369
3404	275	325	331	350	348	349	366	399	375	379	416
3405	314	ND	352	360	372	390	376	374	392	409	422
3406	289	307	325	322	333	339	337	340	345	340	349
3407	285	ND	309	322	320	328	328	338	360	353	391
3408	297	305	304	323	324	324	334	341	334	333	334
3409	261	ND	265	283	291	297	296	304	305	301	307
3410	289	308	324	324	336	364	357	377	365	378	363
3411	302	ND	321	335	343	351	353	356	365	379	416
3412	316	338	329	353	356	367	388	383	397	389	424
3413	285	ND	299	325	334	343	359	360	359	359	377
3414	291	303	295	307	326	322	325	329	327	330	335
3415	303	ND	321	335	356	356	371	388	386	381	423
3416	287	ND	314	ND	ND	ND	352	359	352	359	363
3417	287	ND	312	ND	ND	ND	329	335	328	340	334
3418	304	ND	330	ND	ND	ND	354	372	361	371	376
3419	269	ND	316	ND	ND	ND	320	331	329	338	342
3420	297	ND	326	ND	ND	ND	341	343	335	327	336
3421	294	ND	342	ND	ND	ND	375	376	379	374	398
3422	253	ND	284	ND	ND	ND	298	300	290	296	298
3423	297	ND	324	ND	ND	ND	344	346	339	348	369
3424	269	ND	306	ND	ND	ND	323	319	321	316	319
3425	304	ND	333	ND	ND	ND	355	355	333	331	337
3426	274	ND	311	ND	ND	ND	329	337	335	348	354
3427	304	ND	328	ND	ND	ND	346	363	364	349	377
3428	285	ND	310	ND	ND	ND	334	326	309	316	330
3429	290	ND	306	ND	ND	ND	343	354	350	351	355
3430	300	ND	319	ND	ND	ND	338	351	347	344	356
3431	309	ND	329	ND	ND	ND	334	354	343	355	365
3432	309	ND	340	ND	ND	ND	370	391	385	373	386
3433	274	ND	315	ND	ND	ND	323	330	347	348	350
3434	273	ND	308	ND	ND	ND	328	328	323	316	330
3435	273	ND	303	ND	ND	ND	329	330	331	326	335
3612	286	319	325	ND	352	352	338	355	384	376	379
3614	293	ND	315	325	334	345	357	329	338	353	339
3616	292	321	331	349	349	357	356	367	362	392	398
3618	299	ND	322	333	345	350	355	355	359	378	384
3620	340	375	385	391	395	413	427	436	447	470	506
3622	290	ND	313	320	323	333	336	347	428	609	Dead
3624	252	283	296	344	294	309	308	364	366	316	326
3626	289	ND	333	293	342	345	355	320	321	359	372
3628	310	329	339	345	356	364	373	372	382	386	391
3630	310	ND	343	360	353	357	359	376	375	374	389
MEAN±SD	291±17	317±23	320±19	332±22	339±22	347±26	346±24	353±26	354±30	361±48	368±39

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3398	350	366	356	362	370	379	403	448	←Dead→			
3399	399	417	429	428	435	450	478	494	493	531	←Dead→	
3400	375	383	380	398	407	419	411	428	479	547	←Dead→	
3401	418	436	421	438	474	484	←Dead→					
3402	330	344	341	332	328	342	341	348	343	343	346	345
3403	380	386	376	386	431	459	494	582	697	←Dead→		
3404	424	429	436	452	485	534	545	604	←Dead→			
3405	439	435	435	406	430	428	419	401	333	←Dead→		
3406	359	362	357	370	373	381	392	419	423	454	450	478
3407	384	418	406	423	435	431	461	491	539	583	582	615
3408	344	351	347	353	354	361	361	487	398	386	391	398
3409	312	316	312	312	328	323	327	343	354	348	354	353
3410	356	369	373	383	382	389	386	416	494	←Dead→		
3411	434	524	532	648	←Dead→							
3412	427	422	423	427	426	421	454	494	540	←Dead→		
3413	383	392	395	404	435	←Dead→						
3414	330	341	341	342	343	351	347	353	363	350	356	357
3415	400	396	402	426	395	396	388	389	390	372	368	360
3416	362	ND	365	366	357	360	366	371	367	345	330	Dead
3417	348	ND	345	340	346	415	713	←Dead→				
3418	373	ND	384	386	383	398	399	400	422	417	423	443
3419	347	ND	351	346	342	346	324	277	←Dead→			
3420	335	ND	337	345	357	366	←Dead→					
3421	402	ND	404	410	432	←Dead→						
3422	296	ND	307	309	310	313	319	339	354	373	397	429
3423	377	ND	387	390	389	395	405	407	412	414	408	412
3424	324	ND	325	318	314	320	311	320	332	312	←Dead→	
3425	344	ND	340	340	335	339	328	337	344	333	327	324
3426	354	ND	367	366	362	374	374	385	377	367	363	362
3427	375	ND	369	376	384	403	392	406	414	432	475	514
3428	318	ND	322	327	330	340	331	345	350	363	366	377
3429	352	ND	349	357	367	369	372	403	436	508	←Dead→	
3430	357	ND	362	365	371	393	391	405	420	395	384	377
3431	381	ND	378	385	396	406	400	420	←Dead→			
3432	397	ND	389	387	402	449	517	582	←Dead→			
3433	359	ND	361	377	387	461	←Dead→					
3434	335	ND	309	320	321	332	334	371	388	592	←Dead→	
3435	345	ND	342	347	352	369	386	404	395	416	422	432
3612	402	426	408	418	426	420	422	407	401	364	325	279
3614	377	377	378	389	405	418	475	←Dead→				
3616	392	423	421	←Dead→								
3618	412	441	420	←Dead→								
3620	600	626	625	←Dead→								
3622	←Dead→											
3624	377	337	389	354	355	370	358	374	379	354	267	341
3626	329	383	341	401	383	416	410	448	483	←Dead→		
3628	387	399	399	395	403	414	409	432	437	418	356	Dead
3630	386	400	389	384	392	405	407	419	429	474	←Dead→	
MEAN±SD	374±47	404±61	381±55	382±54	383±43	394±47	404±76	415±72	419±77	415±79	384±66	400±78

ND = No data was available on these rats.

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test 100	139	181	210	238	266	294	330	357	385	413
74-3360	282	308	309	313	313	324	333	339	347	353	377
3361	336	ND	382	385	389	408	412	426	418	437	446
3362	268	288	290	284	291	290	298	307	314	330	341
3363	316	ND	343	349	360	373	378	375	371	383	397
3364	274	308	303	307	303	315	322	319	315	316	320
3365	272	ND	309	303	310	319	312	326	330	325	334
3366	319	334	342	364	380	388	395	399	415	418	435
3367	323	ND	348	353	368	379	379	374	365	367	373
3368	281	331	331	332	342	344	359	356	386	383	399
3369	294	ND	331	330	338	336	337	325	347	343	353
3370	307	335	331	325	320	328	245	←Dead→			
3371	270	ND	302	298	302	314	313	314	314	314	322
3372	285	313	347	343	365	381	399	342	351	362	Dead
3373	317	ND	360	358	369	385	394	427	425	419	449
3374	322	334	351	359	358	367	368	384	394	418	436
3375	293	ND	308	314	311	326	318	322	330	326	338
3376	287	299	309	ND	ND	351	342	347	350	354	366
3377	283	ND	322	328	340	ND	367	402	396	393	405
3378	275	ND	307	ND	ND	ND	317	313	349	334	345
3379	281	ND	299	ND	ND	ND	329	337	318	314	331
3380	313	ND	346	ND	ND	ND	377	388	375	375	382
3381	272	ND	303	ND	ND	ND	324	327	331	317	331
3382	295	ND	324	ND	ND	ND	358	352	343	346	342
3383	297	ND	320	ND	ND	ND	334	337	341	331	333
3384	272	ND	267	ND	ND	ND	354	342	336	339	350
3385	289	ND	288	ND	ND	ND	348	360	343	361	370
3386	291	ND	305	ND	ND	ND	354	369	368	355	371
3387	267	ND	292	ND	ND	ND	342	342	331	339	349
3388	288	ND	325	ND	ND	ND	332	331	332	324	341
3389	283	ND	323	ND	ND	ND	342	342	344	351	355
3390	279	ND	310	ND	ND	ND	330	326	327	311	333
3391	266	ND	297	ND	ND	ND	322	314	317	319	322
3392	290	ND	316	ND	ND	ND	356	366	348	359	372
3393	290	ND	309	ND	ND	ND	328	350	341	329	329
3394	297	ND	334	ND	ND	ND	370	360	358	352	363
3395	307	ND	355	ND	ND	ND	376	372	389	371	396
3396	286	ND	382	ND	ND	ND	579	←Dead→			
3397	274	ND	286	ND	ND	ND	318	328	327	322	334
3592	282	314	316	←Dead→							
3594	300	ND	318	319	325	338	340	346	345	355	366
3596	287	306	311	310	332	330	331	339	340	345	351
3598	276	ND	311	319	342	348	325	335	330	336	340
3600	256	292	305	301	312	318	318	325	321	324	332
3602	318	ND	346	338	363	366	354	364	377	372	397
3604	305	320	339	333	340	350	349	357	363	378	378
3606	307	ND	335	365	359	383	378	387	372	382	389
3608	295	318	329	323	339	339	342	350	347	344	350
3610	280	ND	313	313	348	363	380	403	415	425	394
MEAN±SD	291±18	314±15	321±24	329±24	339±26	349±29	351±46	352±30	353±30	354±33	364±34

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3360	416	422	423	448	478	←			Dead			→
3361	453	458	454	471	476	499	542	596	←		Dead	→
3362	342	360	359	360	364	366	365	390	412	402	385	418
3363	386	394	399	391	400	415	414	438	←		Dead	→
3364	321	331	327	328	318	340	341	355	368	358	337	339
3365	334	345	339	342	337	355	354	366	350	362	360	379
3366	432	436	430	432	398	408	408	405	427	←	Dead	→
3367	366	382	379	380	379	409	422	448	469	483	← Dead	→
3368	409	415	414	445	472	597	801	←		Dead		→
3369	341	352	351	351	354	357	362	371	390	393	426	495
3370	←						Dead					→
3371	325	328	326	329	341	344	366	384	422	495	← Dead	→
3372	←						Dead					→
3373	467	493	483	486	514	531	546	571	638	681	← Dead	→
3374	←						Dead					→
3375	348	354	347	365	390	404	433	439	←		Dead	→
3376	360	393	389	392	412	426	448	465	553	588	613	675
3377	401	418	409	424	440	442	470	492	516	507	490	504
3378	337	ND	341	341	344	349	369	390	418	451	← Dead	→
3379	320	ND	314	315	320	328	334	342	359	372	390	416
3380	389	ND	382	384	373	373	371	371	365	329	← Dead	→
3381	330	ND	333	329	335	347	359	366	347	334	← Dead	→
3382	350	ND	356	358	351	370	378	382	384	393	430	460
3383	340	ND	323	327	320	315	258	←		Dead		→
3384	347	ND	343	351	352	367	372	378	356	388	406	433
3385	376	ND	373	397	393	399	419	412	←		Dead	→
3386	379	ND	382	389	386	399	416	466	557	←	Dead	→
3387	345	ND	345	346	350	348	355	357	360	356	347	346
3388	337	ND	335	340	345	351	358	363	386	393	406	415
3389	356	ND	369	373	383	405	419	421	445	485	590	697
3390	331	ND	323	336	330	338	357	345	←		Dead	→
3391	322	ND	326	322	326	338	336	343	351	343	346	354
3392	372	ND	386	402	388	413	424	425	444	403	220	320
3393	330	ND	329	321	310	330	329	332	342	327	← Dead	→
3394	367	ND	359	363	365	369	374	370	352	385	400	390
3395	336	←					Dead					→
3396	←						Dead					→
3397	338	ND	353	359	383	427	470	←		Dead		→
3592	←						Dead					→
3594	371	377	364	364	372	391	413	437	←		Dead	→
3596	358	368	370	382	428	513	584	←		Dead		→
3598	344	342	341	338	333	339	346	343	349	344	340	352
3600	334	353	340	351	353	358	373	408	430	496	← Dead	→
3602	390	404	395	390	397	383	373	←		Dead		→
3604	391	399	402	408	417	416	432	480	519	554	← Dead	→
3606	392	401	399	408	408	416	419	398	393	362	360	352
3608	350	358	347	356	352	365	367	372	383	←	Dead	→
3610	←						Dead					→
MEAN±SD	363±35	386±42	367±38	373±42	378±48	391±59	414±96	407±61	417±76	422±90	403±94	432±110

ND = No data was available on these rats.

SL 082097

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS[a] OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test										
	100	139	181	210	238	266	294	330	357	385	413
74-3322	280	306	313	323	322	328	318	332	332	332	336
3323	277	ND	313	312	328	333	340	228	349	344	367
3324	313	344	363	369	376	373	386	406	400	407	415
3325	264	ND	292	313	313	322	324	337	340	351	382
3326	309	334	333	356	346	372	375	399	408	415	422
3327	254	ND	290	303	306	308	313	329	320	324	339
3328	307	344	343	353	329	381	388	394	387	398	412
3329	273	ND	298	312	328	320	315	330	349	333	350
3330	308	341	335	356	358	374	380	398	399	409	437
3331	276	ND	295	300	312	312	302	306	304	300	313
3332	281	306	299	303	314	313	339	320	330	348	402
3333	293	ND	318	325	327	335	314	354	353	351	361
3334	268	312	312	329	322	333	329	354	334	330	356
3335	316	ND	354	355	390	418	422	416	427	449	461
3336	280	304	311	304	314	326	325	335	334	334	314
3337	324	ND	368	364	368	378	384	390	397	397	374
3338	276	301	308	312	318	320	333	355	360	371	425
3339	278	ND	297	295	322	342	345	375	372	379	380
3340	282	ND	303	ND	ND	ND	353	386	361	375	398
3341	308	ND	348	ND	ND	ND	387	391	401	402	410
3342	280	ND	317	ND	ND	ND	326	335	319	319	329
3343	312	ND	347	ND	ND	ND	365	368	367	360	374
3344	303	ND	333	ND	ND	ND	365	369	373	384	400
3345	275	ND	333	ND	ND	ND	363	356	351	353	367
3346	272	ND	295	ND	ND	ND	326	317	316	314	326
3347	285	ND	308	ND	ND	ND	337	347	335	340	345
3348	316	ND	354	ND	ND	ND	382	346	392	385	403
3349	310	ND	335	ND	ND	ND	350	390	357	353	355
3350	313	ND	342	ND	ND	ND	320	323	316	315	323
3351	307	ND	341	ND	ND	ND	335	339	333	344	340
3352	304	ND	352	ND	ND	ND	375	437	481	544	610
3353	315	ND	365	ND	ND	ND	363	380	383	389	408
3354	264	ND	285	ND	ND	ND	363	395	384	387	417
3355	287	ND	320	ND	ND	ND	392	405	421	411	430
3356	299	ND	357	ND	ND	ND	307	307	301	306	305
3357	247	ND	275	ND	ND	ND	329	330	326	329	331
3358	266	ND	299	ND	ND	ND	362	393	385	387	405
3359	281	ND	309	ND	ND	ND	297	319	301	301	314
3572	309	338	353	355	360	365	368	379	382	389	399
3574	280	ND	342	330	333	349	338	368	367	368	362
3576	297	325	328	334	349	354	316	346	336	350	317
3578	270	ND	297	311	322	322	308	333	349	337	Dead
3580	290	327	315	328	344	346	365	381	366	357	368
3582	298	ND	326	351	350	361	347	355	358	354	359
3584	283	295	307	312	322	326	328	336	337	344	346
3586	272	ND	285	293	301	310	300	318	314	311	327
3588	298	328	310	290	314	324	325	336	328	301	354
3590	283	ND	322	298	328	337	351	343	352	305	341
MEAN±SD	289±19	322±17	322±24	324±24	333±22	342±27	345±29	356±37	358±37	360±45	375±52

[a]Reports were already done for the first 97 days.
ND = No data was available on these rats.

TABLE A-2 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS OF FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE FOR 730 DAYS

Animal Number	Days on Test 441	469	472	497	533	568	596	624	652	687	715	729
74-3322	333	334	337	337	338	339	349	346	367	364	374	385
3323	351	349	351	357	359	380	400	425	500	← Dead →		
3324	434	442	440	434	← Dead →							
3325	476	← Dead →										
3326	445	452	444	471	500	622	819	← Dead →				
3327	360	352	346	356	364	367	369	389	397	392	383	399
3328	399	414	411	424	481	← Dead →						
3329	354	366	377	385	400	440	484	521	602	← Dead →		
3330	451	490	492	571	← Dead →							
3331	310	318	283	308	304	307	307	313	326	328	357	359
3332	← Dead →											
3333	376	382	382	376	393	398	404	404	387	← Dead →		
3334	363	370	373	378	387	387	401	405	420	420	ND	446
3335	484	527	508	526	← Dead →							
3336	348	352	355	367	402	430	468	529	← Dead →			
3337	409	423	424	485	536	← Dead →						
3338	468	407	391	← Dead →								
3339	392	390	395	415	398	413	429	429	442	← Dead →		
3340	416	ND	426	435	445	441	450	457	461	467	458	461
3341	450	← Dead →										
3342	318	ND	318	371	314	240	← Dead →					
3343	367	ND	372	376	370	316	← Dead →					
3344	405	ND	404	418	422	432	456	440	436	426	396	354
3345	362	ND	366	381	382	428	441	451	484	494	554	582
3346	324	ND	324	324	327	347	367	379	365	380	340	346
3347	338	ND	338	331	328	320	227	← Dead →				
3348	400	ND	410	405	427	443	428	434	451	422	418	424
3349	360	ND	369	366	374	379	386	412	461	537	642	697
3350	318	ND	320	316	326	333	336	338	309	← Dead →		
3351	325	← Dead →										
3352	← Dead →											
3353	434	ND	486	533	647	← Dead →						
3354	← Dead →											
3355	436	ND	450	466	473	486	506	503	514	506	525	526
3356	308	ND	310	310	307	311	328	324	342	357	387	397
3357	324	ND	318	324	327	324	338	350	346	258	← Dead →	
3358	417	ND	428	432	447	457	502	509	548	626	← Dead →	
3359	315	ND	328	331	342	353	359	355	270	← Dead →		
3572	411	404	395	400	399	404	415	431	451	511	664	Dead
3574	378	390	391	402	394	412	423	431	457	463	487	499
3576	367	370	368	371	375	389	372	364	374	← Dead →		
3578	← Dead →											
3580	375	381	377	376	387	379	381	380	385	360	356	359
3582	367	373	371	366	381	404	444	482	531	← Dead →		
3584	355	360	352	353	344	← Dead →						
3586	336	338	342	350	355	370	382	383	393	386	402	431
3588	356	359	359	368	375	423	436	468	485	531	← Dead →	
3590	339	346	341	347	348	351	344	339	310	← Dead →		
MEAN±SD	378±48	388±49	380±51	389±62	391±69	389±67	411±97	413±60	422±80	433±88	450±104	444±98

ND = No data was available on these rats.

TABLE A-3

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-33
3066-7	22	24	24	24	24	24	23	24	24	24	26	25	25	26	27	27
3068-9	23	25	23	23	28	23	24	24	23	24	25	22	24	24	26	24
3070-1	29	25	23	35	24	22	24	ND	25	26	26	26	24	26	27	27
3072-3	28	28	27	25	29	26	27	28	26	30	29	29	28	30	ND	ND
3074-5	24	24	22	24	22	24	23	24	23	26	26	25	24	24	ND	37
3076-7	22	23	22	28	23	22	23	23	23	26	24	24	23	23	ND	30
3078-9	24	24	22	23	23	22	22	23	24	26	24	32	23	27	ND	26
3080-1	22	24	ND	24	24	23	23	24	24	25	25	25	24	26	ND	28
3082-3	19	24	23	ND	26	22	25	25	25	25	26	27	25	27	ND	32
3084-5	25	25	23	23	22	23	23	24	24	24	23	25	23	24	ND	31
3086-7	31	27	27	24	24	23	24	23	25	29	28	26	26	26	ND	36
3088-9	12	29	11	13	23	23	24	25	24	26	26	22	24	25	25	28
3090-1	28	ND	27	24	23	ND	24	23	28	25	25	25	25	25	ND	33
3092-3	21	21	21	20	20	21	21	21	22	21	22	22	20	23	24	24
3094-5	25	26	25	25	27	25	25	26	25	26	28	27	25	26	ND	36
3096-7	20	26	26	25	26	23	24	25	27	28	27	27	26	26	27	26
3098-9	26	26	ND	ND	25	25	ND	26	25	26	26	26	24	25	27	27
3100-1	21	23	22	21	24	22	23	23	23	24	23	22	22	23	24	26
3102-3	24	24	24	25	25	23	24	24	24	24	25	24	24	24	ND	30
3104-5	24	24	23	23	26	23	25	24	25	26	26	26	27	26	ND	36
3106-7																
3108-9																
3110-1																
3112-3																
3114-5																
3116-7																
3118-9																
3120-1																
3122-3																
3124-5																
3126-7																
3128-9																
3130-1																
3123-3																
3134-5																
3472&74	24	26	ND	23	24	23	24	24	23	26	25	24	24	23	26	28
3476&78	25	24	24	23	25	23	23	23	24	25	26	25	24	24	26	27
3480&82	25	26	27	26	47	ND	25	25	24	26	24	24	25	25	ND	31
3484&86	23	ND	24	24	44	23	24	24	ND	31	ND	ND	24	26	28	27
3488&90	23	24	22	25	22	21	21	23	16	26	23	21	22	23	22	28
MEAN±SD	24±4	25±2	23±3	24±4	26±7	23±1	24±1	24±1	24±2	26±2	25±2	25±2	24±2	25±2	26±2	29±4

[a]The first 100 days were previously reported.

ND = No data was available on these rats.

SL 082100

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3066-7	26	25	27	28	22	27	26	27	28	26	26	26	23	24	26	18	23	35	24
3068-9	25	24	ND	26	20	26	22	ND	26	25	26	23	22	23	24	17	23	26	ND
3070-1	25	24	27	26	22	27	23	24	24	23	22	21	21	14	25	29	ND	←Dead→	
3072-3	28	27	30	29	23	30	27	29	28	24	29	30	ND	ND	16	←Dead→			
3074-5	26	26	28	27	15	25	20	19	28	27	29	28	26	27	25	22	19	←Dead→	
3076-7	23	23	29	27	26	24	24	24	24	23	24	24	21	22	18	22	24	16	Dead
3078-9	25	34	15	26	27	26	24	24	23	22	24	24	21	24	23	20	20	21	25
3080-1	25	24	16	26	27	26	23	25	26	24	24	24	23	23	23	24	24	25	26
3082-3	26	24	28	28	28	28	22	26	22	26	←Dead→								
3084-5	31	25	16	27	25	26	22	25	26	ND	26	26	24	25	21	33	25	25	29
3086-7	25	25	27	26	27	29	24	26	25	23	22	25	26	18	16	36	24	23	ND
3088-9	25	23	28	27	31	29	26	25	30	26	25	26	25	27	27	27	23	15	Dead
3090-1	30	28	30	30	30	30	30	30	26	24	25	27	13	←Dead→					
3092-3	22	21	24	23	23	23	20	20	20	19	23	24	25	24	23	ND	27	29	32
3094-5	26	26	28	28	27	27	26	25	29	26	22	28	30	25	27	37	25	25	23
3096-7	26	26	31	27	27	27	25	26	22	22	←Dead→								
3098-9	24	23	29	26	27	27	24	25	24	28	29	ND	28	25	20	35	27	←Dead→	
3100-1	23	23	26	25	26	25	22	24	24	24	24	24	24	20	24	24	24	21	23
3102-3	24	34	15	26	25	27	22	25	25	24	24	24	26	23	24	36	22	22	Dead
3104-5	26	25	18	27	28	28	23	25	27	26	25	24	25	24	21	32	24	23	ND
3106-7												←Dead→							
3108-9												23	23	23	19	35	22	20	15
3110-1												26	26	25	ND	28	26	25	27
3112-3														24	ND	←Dead→			
3114-5														29	←Dead→				
3116-7															23	←Dead→			
3118-9																27	29	←Dead→	
3120-1																27	25	24	24
3122-3																	14	←Dead→	
3124-5																	33	24	32
3126-7																	←Dead→		
3128-9																	←Dead→		
3130-1																		28	29
3132-3																		25	27
3134-5																	←Dead→		
3472&74	24	24	25	25	29	27	24	23	24	25	25	22	ND	22	26	29	23	23	19
3476&78	24	22	21	ND	24	14	17	ND	←Dead→										
3480&82	25	24	27	28	26	25	12	27	30	27	32	29	ND	27	ND	ND	29	29	Dead
3484&86	24	23	28	28	26	25	23	24	27	24	25	23	ND	22	21	22	14	22	24
3488&90	20	23	23	22	28	26	22	26	26	28	15	27	ND	27	9	←Dead→			
MEAN±SD	25±2	25±3	25±5	27±2	26±3	26±3	23±3	24±5	26±2	25±2	25±3	25±2	22±5	23±3	22±3	27±7	23±4	24±4	25±4

ND = No data was available for these rats.

SL 082101

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3212-3	23	24	24	24	24	22	24	24	23	24	26	23	24	22	24	26
3214-5	22	23	23	24	25	23	23	24	23	23	25	25	23	24	ND	32
3216-7	25	24	25	23	26	25	23	25	25	23	28	27	26	24	24	ND	34
3218-9	ND	32	28	29	32	26	30	30	28	29	30	30	26	29	ND	39
3220-1	36	29	26	22	27	27	27	26	ND	28	28	27	25	27	ND	38
3222-3	26	26	25	25	27	25	25	24	24	25	26	23	24	24	ND	35
3224-5	25	29	26	26	27	24	26	27	26	27	27	26	25	27	ND	37
3226-7	24	25	23	ND	25	22	25	24	24	24	26	25	24	24	28	29
3228-9	25	26	26	25	26	25	26	23	24	25	27	29	25	24	ND	34
3230-1																
3232-3																
3234-5																
3236-7																
3238-9																
3240-1																
3242-3																
3244-5																
3246-7																
3248-9																
3532&34	24	25	24	26	26	26	26	25	25	26	27	26	26	28	ND	31
3536&38	23	25	24	24	25	25	25	25	25	26	26	ND	25	26	ND	36
3540&42	22	22	24	25	25	24	22	25	25	26	27	10	24	25	ND	30
3544&46	23	21	23	24	24	23	26	26	22	29	26	27	24	24	ND	28
3548&50	24	27	26	25	26	24	27	25	24	25	27	ND	25	26	ND	36
MEAN±SD	25±4	25±3	25±2	25±2	26±2	24±2	25±2	25±2	24±2	26±2	27±1	25±5	25±1	25±2	26±2	33±4

[a]The first 100 days were previously reported.

ND = No data was available on these rats.

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal	Days on Test																	
Number	381-	385-	406-	409-	448-	451-	469-	472-	498-	500-	532-	535-	546-	563-	595-	623-	651-	686-	714-
74-	385	388	409	413	451	455	472	476	500	504	535	539	549	567	598	626	654	689	717
3212-3	25	26	26	25	27	26	24	23	27	24	23	25	25	23	24	25	25	24	19
3214-5	25	36	17	26	26	26	24	25	27	26	26	26	21	24	13	29	26	20	Dead
3216-7	26	21	28	28	26	25	22	21	26	25	26	26	25	27	17	30	ND	37	Dead
3218-9	30	24	30	32	ND	31	28	27	7	ND	←				Dead				→
3220-1	30	25	ND	29	33	29	27	27	30	29	24	31	29	26	23	35	←	Dead	→
3222-3	25	24	25	26	26	24	22	19	22	17	27	27	25	23	17	←		Dead	→
3224-5	30	29	35	29	31	36	30	30	28	31	16	32	33	26	←			Dead	→
3226-7	26	25	29	29	27	ND	24	27	ND	26	26	22	24	25	21	30	19	26	26
3228-9	26	25	30	27	24	28	40	24	27	23	26	22	25	ND	←			Dead	→
3230-1												23	ND	12	24	23	25	24	27
3232-3												23	ND	ND	←			Dead	→
3234-5												←			Dead				→
3236-7															25	ND	24	23	14
3238-9															21	←		Dead	→
3240-1																←		Dead	→
3242-3																←		Dead	→
3244-5																←		Dead	→
3246-7																ND	ND	26	29
3248-9																			
3532&34	27	26	28	29	ND	ND	-	28	28	27	28	28	ND	26	29	29	←	Dead	→
3536&38	26	22	19	24	34	28	24	26	26	24	28	27	ND	17	22	27	←	Dead	→
3540&42	17	35	18	28	31	27	25	24	27	24	26	26	ND	22	12	24	33	25	Dead
3544&46	23	ND	13	30	32	28	26	27	30	26	19	26	ND	12	←			Dead	→
3548&50	20	37	19	28	29	27	25	27	28	26	28	25	ND	24	29	29	21	←	Dead →
MEAN±SD	25±4	27±5	24±7	28±2	29±3*	28±3	26±5	25±3	26±6	25±3	25±4	26±3	26±4	22±5	21±5	28±4	22±8	26±5	23±6

*Significantly different from control mean by Dunnett's test, $p<0.05$.

ND = No data was available on these rats.

SL 082103

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3174-5	28	28	26	25	28	24	26	25	26	26	28	28	27	25	ND	36
3176-7	26	26	25	25	26	23	25	26	26	27	28	27	26	26	ND	37
3178-9	26	27	27	25	27	24	25	25	27	28	29	27	27	30	ND	ND
3180-1	25	27	27	26	28	25	26	26	28	24	30	29	26	29	ND	39
3182-3	24	26	27	26	26	23	26	25	26	28	28	28	25	25	ND	37
3184-5	29	29	24	26	28	25	26	24	24	24	26	31	ND	ND	ND	ND
3186-7	37	ND	ND	33	46	29	33	35	26	25	ND	24	26	20	ND	ND
3188-9	26	27	27	26	30	27	28	29	29	29	31	30	22	ND	ND	ND
3190-1	24	25	24	25	24	23	26	26	25	27	26	26	22	24	ND	29
3192-3																
3194-5																
3196-7																
3198-9																
3200-1																
3202-3																
3204-5																
3206-7																
3208-9																
3210-1																
3512&14	22	23	22	21	23	22	16	23	22	25	24	23	22	23	ND	31
3516&18	21	24	24	23	25	23	24	24	23	25	26	26	24	23	ND	31
3520&22	24	20	28	14	35	37	36	38	32	35	33	32	32	29	35	35
3524&26	21	23	26	22	26	23	25	26	24	26	27	26	24	24	ND	35
3528&30	23	26	26	25	27	23	25	26	26	26	28	26	25	ND	22	25
MEAN±SD	26±4	25±3	25±3	25±4	27±6	25±4*	26±4*	27±4*	26±3*	27±3	28±2*	27±2	24±3	24±4	29±9	34±4

[a]The first 100 days were previously reported.

*Significantly different from control mean by Dunnett's test, $p<0.05$.

ND = No data was available for these rats.

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal	Days on Test																		
Number 74-	381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3174-5	28	25	29	29	27	27	16	15	29	28	28	25	28	20	26	29	10	23	9
3176-7	26	25	28	28	27	26	29	28	26	24	26	25	25	22	17	19	←	Dead	→
3178-9	26	26	27	28	29	26	24	25	26	26	34	30	30	29	12	28	←	Dead	→
3180-1	ND	28	29	28	27	31	26	29	28	28	←				Dead				→
3182-3	26	25	29	28	28	28	24	26	27	25	19	22	32	22	←		Dead		→
3184-5	27	28	21	21	23	30	17	22	36	31	24	16	32	ND	←		Dead		→
3186-7	24	24	27	27	27	27	24	26	28	24	27	24	24	24	28	27	19	22	11
3188-9	33	25	12	ND	32	32	31	32	31	31	27	26	30	25	←		Dead		→
3190-1	24	22	24	24	25	22	21	23	22	22	19	23	26	24	11	ND	20	22	Dead
3192-3												23	23	19	24	30	ND	← Dead	→
3194-5													30	19	12	←	Dead		→
3196-7															←		Dead		→
3198-9															23	32	ND	20	24
3200-1															23	29	29	← Dead	→
3202-3																28	ND	27	27
3204-5																10	←	Dead	→
3206-7																	8	← Dead	→
3208-9																	28	ND	ND
3210-1																	←	Dead	→
3512&14	23	22	26	25	24	24	22	21	21	23	23	15	18	20	23	22	16	24	28
3516&18	24	20	26	27	25	25	23	27	26	24	24	19	24	21	ND	28	←	Dead	→
3520&22	34	34	19	18	ND	34	32	35	32	30	17	ND	←			Dead			→
3524&26	25	24	26	26	26	25	24	28	26	25	19	18	15	10	16	←		Dead	→
3528&30	25	24	14	13	28	26	24	27	28	28	25	26	24	22	24	23	25	26	24
MEAN±SD	26±3	25±3	24±5	25±5	27±2	27±3	24±5	26±4	28±4	26±3	24±5	22±4	26±5	21±4	20±6	26±6	19±8	24±2	25±12

ND = No data was available for these rats.

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3136-7	22	20	21	21	22	20	21	21	21	22	22	22	21	22	24	24
3138-9	26	23	23	22	25	22	24	23	24	25	25	25	25	27	27	28
3140-1	23	20	22	23	23	22	22	24	22	23	23	24	21	23	25	24
3142-3	28	25	25	23	27	26	26	27	27	28	28	28	26	26	ND	35
3144-5	26	27	26	26	27	26	27	27	27	28	27	30	30	29	29	33
3146-7	24	22	23	24	25	22	24	25	26	24	25	25	24	23	ND	27
3148-9	22	22	24	22	23	22	24	24	23	23	25	23	23	23	26	35
3150-1	27	24	25	25	28	23	26	26	26	28	26	28	27	23	ND	35
3152-3	27	27	27	26	29	23	27	28	ND	27	29	31	27	27	ND	37
3154-5																
3156-7																
3158-9																
3160-1																
3162-3																
3164-5																
3166-7																
3168-9																
3170-1																
3172-3																
3492&94	24	24	24	24	25	24	25	25	26	26	27	26	26	24	ND	37
3496&98	25	23	23	23	23	22	24	25	24	25	25	25	25	25	26	27
3500&04	25	23	18	23	24	23	25	24	25	26	26	25	25	25	ND	32
3506&08	23	24	23	21	25	23	25	24	25	26	26	27	25	27	ND	35
3510	24	23	22	23	24	24	24	25	26	26	28	26	26	23	28	29
MEAN±SD	24±5	23±4	23±2	23±2	24±4	23±2	25±2	25±2	25±2	25±2	26±2	26±3	24±4	25±2	26±2	31±5

[a]The first 100 days were previously reported.

ND = No data was available on these rats.

SL 082106

TABLE A-3 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR MALE RATS MAINTAINED ON DRINKI... CONTAINING 200 PPM VINYLIDENE CHLORIDE IN WATER FOR 731 DAYS

Animal Number 74-	Days on Test 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3136-7	23	21	25	24	30	23	18	23	27	24	25	26	27	24	19	30	31	27	32
3138-9	24	24	26	27	26	25	24	26	26	26	25	25	28	22	20	27	ND	←Dead→	
3140-1	22	22	24	25	23		21	25	27	24	22	23	21	22	23	24	23	19	23
3142-3	27	26	28	27	28	7	27	27	28	27	26	26	23	25	18	25	24	←Dead→	
3144-5	28	27	14	15	22	30	←						Dead	→					
3146-7	25	24	26	30	27	26	23	25	24	23	20	21	15	22	10	28	30	32	27
3148-9	24	22	24	21	26	24	25	25	26	24	26	26	24	25	24	24	17	26	30
3150-1	25	25	26	ND	31	28	25	29	21	ND	26	30	24	28	22	33	27	←Dead→	
3152-3	28	26	29	29	29	28	26	27	26	36	26	26	22	12	27	27	←Dead→		
3154-5												25	26	24	27	24	16	30	31
3156-7														←	Dead	→			
3158-9														←	Dead	→			
3160-1														23	←	Dead	→		
3162-3															13	37	33	←Dead→	
3164-5																11	26	27	Dead
3166-6																	15	←Dead→	
3168-9																	←	Dead	→
3170-1																	30	24	26
3172-3																	←	Dead	→
3492&94	26	25	17	27	27	26	25	26	22	22	16	22	26	13	13	20	←	Dead	→
3496&98	24	22	26	28	26	27	24	26	26	25	28	25	24	23	24	29	7	26	15
3500&04	26	25	22	21	15	26	26	27	29	27	30	26	27	24	28	ND	33	33	31
3506-08	26	24	ND	28	29	29	26	29	30	27	26	26	21	←		Dead	→		
3510	23	25	14	30	29	25	24	27	27	26	27	24	21	20	28	←	Dead	→	
MEAN±SD	25±2	24±2	23±5	26±4	26±4	26±2	25±2	26±2	26±2	25±2	25±4	24±4	24±4	22±4	21±6	26±6	24±8	27±4	27±6

ND = No data was available for these rats.

SL 082107

TABLE A-4

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test [a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3250-1	17	20	21	18	22	17	19	21	19	27	21	21	18	19	21	20
3252-3	19	21	20	19	24	20	19	21	19	22	21	20	20	20	22	21
3254-5	17	19	18	19	20	17	18	17	17	20	ND	20	18	21	21	20
3256-7	24	22	20	21	27	23	ND	25	26	23	ND	21	21	19	20	21
3258-9	20	20	20	19	22	19	18	19	21	22	22	22	21	22	26	26
3260-1	16	21	19	19	26	21	18	18	18	18	20	19	19	20	19	20
3262-3	18	18	20	18	20	24	22	31	22	35	ND	26	19	21	20	26
3264-5	20	17	20	19	20	17	17	18	19	20	19	19	21	19	20	18
3266-7	18	18	17	17	15	17	17	18	18	18	20	19	20	16	18	20
3268-9	18	19	19	17	18	18	19	20	19	20	29	19	19	22	22	19
3270-1	21	19	19	20	18	16	21	19	25	20	24	19	22	21	22	26
3272-3	23	18	18	18	18	20	19	17	18	22	22	19	18	18	ND	ND
3274-5	18	19	19	17	19	15	19	19	17	19	21	20	19	18	22	21
3276-7	18	17	17	18	19	18	19	20	19	21	20	18	18	18	20	22
3278-9	18	19	23	21	19	17	18	19	19	21	20	20	17	17	20	20
3280-1	17	16	16	18	17	16	17	17	17	18	19	15	17	17	17	17
3282-3	19	19	20	18	20	18	17	20	18	23	19	19	18	16	19	22
3284-5	18	19	20	19	19	17	19	19	24	20	24	21	18	18	20	17
3286-7	17	18	16	17	18	17	21	18	26	20	24	21	19	17	17	14
3288-9	22	26	22	21	34	26	22	22	ND	ND	32	26	21	18	24	23
3290-1																
3292-3																
3294-5																
3296-7																
3298-9																
3300-1																
3302-3																
3304-5																
3306-7																
3308-9																
3310-1																
3312-3																
3314-5																
3316-7																
3318-9																
3552-4	19	26	21	20	19	19	17	19	19	21	19	20	26	20	17	22
3556-8	20	20	19	16	18	17	16	18	19	19	20	19	18	17	20	20
3560-2	19	19	20	19	18	18	19	19	19	26	22	22	ND	25	ND	ND
3564-6	19	21	19	19	22	20	21	20	23	19	25	24	19	19	23	23
3568-70	26	19	17	17	14	20	17	18	18	21	22	24	19	22	22	28
Mean±SD	19±2	19±2	19±2	19±1	20±4	19±3	19±2	20±3	20±3	21±4	22±5	21±3	19±2	19±2	20±2	21±3

[a] The first 100 days were previously reported.
ND = No data available.

SL 082108

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 0 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test[a] 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3250-1	20	18	23	22	ND	20	17	21	21	19	ND	28	19	14	25	←Dead→			
3252-3	20	18	24	22	21	23	19	22	20	14	ND	40	19	18	22	17	←Dead→		
3254-5	18	19	20	20	19	19	18	20	19	19	ND	24	10	19	13	25	ND	24	25
3256-7	ND	25	ND	ND	23	21	17	16	24	22	ND	ND	35	←Dead→					
3258-9	21	19	11	9	25	26	23	27	28	21	ND	ND	25	24	28	39	23	29	Dead
3260-1	20	20	19	23	18	23	18	21	19	20	ND	28	20	16	ND	34	22	22	15
3262-3	24	23	40	36	31	ND	19	23	26	22	ND	ND	22	20	25	25	29	23	Dead
3264-5	18	17	ND	ND	22	19	16	16	←				Dead						
3266-7	18	17	17	24	17	10	15	20	22	20	ND	38	13	15	22	21	ND	19	20
3268-9	19	19	26	25	21	23	20	18	20	20	ND	20	19	22	22	28	40	←Dead→	
3270-1	20	27	19	33	29	27	27	29	26	25	ND	ND	23	22	11	29	32	16	ND
3272-3	18	17	16	21	ND	ND	31	ND	ND	ND	ND	ND	18	19	ND	21	24	20	10
3274-5	18	16	23	22	22	29	21	20	18	18	ND	29	14	17	9	21	31	21	17
3276-7	21	18	25	20	21	21	18	18	24	20	ND	29	ND	18	17	24	←Dead→		
3278-9	19	20	12	20	23	19	19	21	19	19	ND	ND	17	22	22	32	29	17	23
3280-1	16	17	12	18	19	19	17	18	18	17	ND	27	15	15	16	19	19	21	21
3282-3	18	18	21	22	19	19	18	19	18	20	ND	37	16	17	18	21	22	20	24
3284-5	20	19	29	21	23	22	18	21	22	20	ND	28	17	18	21	12	28	23	Dead
3286-7	18	16	19	21	19	20	17	20	20	18	ND	30	20	ND	29	23	←Dead→		
3288-9	22	22	ND	25	24	23	ND	ND	24	ND	ND	40	20	21	22	30	ND	24	Dead
3290-1										ND	ND	40	16	19	22	19	23	22	21
3292-3														11	38	←Dead→			
3294-5																23	24	21	21
3296-7																29	30	22	24
3298-9																	25	20	24
3300-1																	26	21	25
3302-3																	←Dead→		
3304-5																	22	19	19
3306-7																	ND	ND	18
3308-9																	ND	20	Dead
3310-1																		21	21
3312-3																		37	27
3314-5																		21	22
3316-7																		20	22
3318-9																		27	Dead
3552-4	19	19	ND	23	21	20	17	19	20	22	ND	33	ND	19	23	28	42	27	Dead
3556-8	19	17	17	20	22	21	17	19	19	16	ND	28	ND	18	18	25	←Dead→		
3560-2	17	ND	ND	27	25	33	22	ND	22	22	ND	32	ND	17	22	31	←Dead→		
3564-6	20	22	24	23	22	23	17	22	22	21	ND	31	ND	16	27	30	←Dead→		
3568-70	22	23	21	24	21	19	21	22	24	23	ND	31	ND	16	19	13	21	17	18
Mean±SD	19±2	19±3	21±7	22±6	22±3	22±4	19±4	20±3	22±2	20±2	ND	31±6	19±5	18±3	22±6	25±6	26±5	22±4	21±4

ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3398-9	17	18	22	19	ND	17	17	18	19	30	21	19	17	ND	ND	ND
3400-1	20	21	20	19	19	19	19	21	20	29	ND	21	20	ND	ND	ND
3402-3	16	19	16	16	18	19	17	19	17	30	20	25	18	17	21	21
3404-5	23	20	21	21	17	20	22	22	18	28	21	17	20	18	27	24
3406-7	17	25	17	18	21	17	18	19	18	29	20	20	19	19	23	ND
3408-9	17	17	16	17	16	17	15	17	17	27	18	17	17	16	18	17
3410-1	18	18	17	17	21	15	19	18	18	29	21	17	18	18	22	21
3412-3	19	19	24	22	21	18	19	22	20	32	20	20	22	ND	19	24
3414-5	16	20	17	19	18	15	19	18	18	30	20	21	18	15	22	22
3416-7																
3418-9																
3420-1																
3422-3																
3424-5																
3426-7																
3428-9																
3430-1																
3432-3																
3434-5																
3612-4	22	21	19	20	20	19	ND	ND	33	25	22	13	22	23	ND	34
3616-8	20	21	17	21	17	17	18	27	18	20	20	19	17	19	18	17
3620-2	22	25	23	25	23	23	18	26	21	26	22	22	17	20	20	21
3624-6	16	18	17	17	19	17	18	17	17	19	19	19	17	18	19	20
3624-30	18	19	19	18	19	16	19	20	19	20	19	20	18	21	22	18
Mean±SD	20±3	20±2	19±3	19±2	19±2	18±2	18±2	20±3	19±4	27±4*	20±1	19±3	19±2	18±2	21±3	22±5

[a] The first 100 days were previously reported.

*Significantly different from control mean by Dunnett's test, $p < 0.05$

ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 50 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3398-9	19	16	20	19	19	18	18	22	19	16	33	ND	18	19	22	22	24	23	Dead
3400-1	20	19	20	21	21	23	17	23	23	22	37	16	21	22	ND	23	31	25	Dead
3402-3	24	17	10	26	20	38	41	18	31	36	31	ND	17	16	ND	22	ND	19	20
3404-5	20	18	26	24	25	23	20	23	23	21	34	13	19	20	23	24	21	← Dead →	
3406-7	18	20	23	21	21	22	17	20	21	20	33	11	20	19	9	24	21	23	23
3408-9	16	15	18	17	19	19	16	17	18	18	29	ND	17	17	ND	18	ND	19	19
3410-1	18	21	22	20	22	23	19	20	26	22	ND	ND	11	21	ND	26	ND	← Dead →	
3412-3	19	21	27	24	21	22	21	24	24	17	36	14	23	19	ND	24	28	← Dead →	
3414-5	ND	19	19	23	19	18	17	20	16	29	29	10	19	17	ND	19	12	21	18
3416-7												ND	16	16	22	22	20	21	21
3418-9												11	ND	18	13	ND	25	40	40
3420-1													←		Dead				→
3422-3																		17	21
3424-5																		21	Dead
3426-7																		20	20
3428-9																		18	19
3430-1																		19	20
3432-3													←		Dead				→
3434-5																		22	21
3612-4	20	19	21	25	23	21	19	21	22	22	34	12	21	ND	23	35	27	21	26
3616-8	19	18	18	19	22	21	21	21	←					Dead					→
3620-2	21	23	13	12	29	36	26	32	←					Dead					→
3624-6	18	18	19	17	19	19	20	18	19	18	29	10	26	ND	15	18	19	19	19
3628-30	19	21	9	28	18	28	18	20	19	20	26	13	12	ND	36	39	14	ND	20
Mean±SD	19±2	19±2	19±5	21±4	21±3	23±5	21±6	21±4	22±4	22±6	32±3	12±2	18±4	19±2	22±7	24±6	22±6	22±5	22±6

ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3360-1	19	21	18	17	20	19	18	17	18	22	20	26	ND	ND	19	ND
3362-3	16	17	15	15	15	16	17	18	17	18	18	21	19	18	18	18
3364-5	16	16	16	15	17	13	15	16	17	17	17	17	16	18	17	17
3366-7	16	17	19	21	17	18	20	17	22	20	22	19	20	ND	17	19
3368-9	20	20	16	18	19	19	17	20	20	20	22	21	20	ND	ND	33
3370-1	17	19	20	20	20	18	19	19	18	21	23	19	18	11	13	ND
3372-3	18	20	19	20	21	17	20	19	20	21	23	21	22	21	25	22
3374-5	21	21	19	18	16	18	19	18	18	24	21	18	19	19	20	31
3376-7	ND	21	17	14	18	16	ND	21	20	18	22	22	18	18	20	39
3378-9																
3380-1																
3382-3																
3384-5																
3386-7																
3388-9																
3390-1																
3392-3																
3394-5																
3396-7																
3592-4	24	25	18	17	18	18	19	19	ND	35	26	21	22	31	19	21
3596-8	17	19	16	18	16	18	17	18	19	22	20	17	17	17	18	17
3600-2	23	21	21	18	19	18	17	20	20	21	21	18	18	21	21	30
3604-6	21	20	19	19	21	18	20	19	20	19	24	25	16	20	24	20
3608-10	22	25	19	21	21	20	21	22	23	23	23	21	20	21	ND	26
Mean±SD	19±3	20±3	18±2	18±2	19±2	18±2	18±2	19±2	19±2	21±4	22±2	20±3	18±3	21±8	19±3	24±7

ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 100 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3360-1	20	20	12	19	22	20	17	20	38	23	ND	ND	17	20	ND	35	← Dead →		
3362-3	19	17	19	19	18	17	18	18	17	18	ND	ND	16	16	14	21	ND	18	21
3364-5	16	16	19	18	20	19	15	17	18	17	ND	ND	16	15	24	21	ND	18	17
3366-7	20	ND	18	21	22	20	20	18	22	20	ND	ND	19	20	29	24	27	19	Dead
3368-9	19	20	24	20	6	ND	4	25	22	22	ND	ND	20	20	29	37	22	31	33
3370-1	22	24	28	23	36	21	23	25	24	31	ND	ND	24	20	ND	33	10	29	Dead
3372-3	24	19	48	25	26	44	22	29	28	26	ND	ND	24	20	ND	29	ND	32	Dead
3374-5	19	21	22	23	23	25	23	28	23	25	ND	ND	25	22	ND	30	← Dead →		
3376-7	18	20	21	17	22	20	19	20	21	18	ND	ND	18	18	18	21	ND	20	22
3378-9																	ND	ND	23
3380-1																	ND	14	Dead
3382-3																	ND	18	28
3384-5																		22	21
3386-7																		21	22
3388-9																		22	21
3390-1																		20	26
3392-3																		17	20
3394-5																		23	24
3396-7																		← Dead →	
3592-4	23	18	15	14	37	26	ND	23	31	ND	ND	ND	18	21	ND	32	← Dead →		
3596-8	18	18	19	18	20	21	17	ND	20	19	ND	ND	19	20	19	24	ND	24	24
3600-2	21	17	25	21	21	21	20	19	22	22	ND	ND	19	17	24	25	ND	31	Dead
3604-6	23	23	25	18	24	22	19	20	23	25	ND	ND	17	19	16	22	ND	24	26
3608-10	21	17	22	23	35	24	18	ND	30	28	ND	ND	27	21	26	29	31	← Dead →	
Mean±SD	20±2	19±3	21±4	20±3	23±8	21±3	18±5	22±4	24±5	22±4	ND	ND	20±4	19±2	21±5	27±5	23±9	22±5	24±4

ND = No data available.

SL 082113

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test[a] 101-105	105-108	140-143	143-147	175-178	178-182	206-210	210-213	234-238	238-241	262-266	266-269	290-294	294-297	325-330	330-332
3322-3	18	18	17	17	ND	15	16	19	12	ND	18	18	15	16	18	16
3324-5	22	21	18	18	19	18	18	18	24	37	21	21	18	19	18	21
3326-7	18	19	17	17	ND	17	17	16	27	ND	21	18	17	17	21	24
3328-9	18	18	21	19	19	16	20	20	16	19	19	20	19	19	20	21
3330-1	18	19	17	19	17	17	18	19	23	ND	22	20	18	18	20	21
3332-3	17	16	16	18	18	17	18	18	24	20	20	19	18	16	21	29
3334-5	19	19	23	17	20	17	21	22	22	28	21	17	18	18	19	21
3336-7	18	20	17	20	19	21	19	20	10	31	22	ND	20	19	20	28
3338-9	16	17	18	19	22	18	19	20	16	23	26	19	18	16	20	20
3340-1																
3342-3																
3344-5																
3346-7																
3348-9																
3350-1																
3352-3																
3354-5																
3356-7																
3358-9																
3572-4	20	21	18	20	20	20	17	18	15	18	17	19	18	17	23	22
3576-8	20	17	17	18	18	17	18	17	19	19	18	19	ND	ND	18	18
3580-2	19	20	16	18	19	18	20	19	20	21	21	21	20	18	20	23
3584-6	19	23	18	17	21	15	18	20	19	21	21	20	17	17	20	24
3588-90	22	24	20	18	21	22	ND	32	19	20	21	23	20	19	22	22
Mean±SD	19±2	19±2	18±2	18±1	19±2	18±2	18±1	20±4	19±5	23±6	21±2	19±2	18±2	18±1	20±2	22±3

[a]The first 100 days were previously reported.

ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY FOOD CONSUMPTION FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING 200 PPM VINYLIDENE CHLORIDE IN WATER FOR 730 DAYS

Animal Number 74-	Days on Test 381-385	385-388	406-409	409-413	448-451	451-455	469-472	472-476	498-500	500-504	532-535	535-539	546-549	563-567	595-598	623-626	651-654	686-689	714-717
3322-3	16	16	23	18	18	18	16	15	17	17	17	21	17	19	18	22	17	22	23
3324-5	20	ND	ND	22	29	ND	22	24	27	27	←				Dead	→			
3326-7	18	15	20	19	19	22	17	21	17	17	19	19	16	20	26	4	22	16	27
3328-9	19	21	11	32	19	22	16	30	20	17	19	19	18	26	ND	36	← Dead →		
3330-1	26	21	16	22	22	21	20	15	22	21	23	22	23	20	24	36	41	28	26
3332-3	20	21	ND	20	20	20	16	8	20	20	18	20	18	17	14	22	24	← Dead →	
3334-5	18	21	21	20	23	20	18	25	21	20	21	20	19	ND	19	21	17	20	19
3336-7	19	18	21	18	20	38	21	24	22	23	22	24	36	ND	31	37	← Dead →		
3338-9	19	21	12	18	20	20	19	30	23	22	20	23	18	ND	ND	12	29	← Dead →	
3340-1												23	13	16	12	ND	23	21	23
3342-3															←		Dead		→
3344-5																12	22	21	ND
3346-7																		22	ND
3348-9																		22	24
3350-1																		← Dead →	
3352-3																		← Dead →	
3354-5																		27	23
3356-7																		19	22
3358-9																		20	Dead
3572-4	22	22	24	20	ND	ND	18	23	21	17	18	19	20	18	15	26	22	20	27
3576-8	12	ND	15	ND	ND	ND	18	22	20	20	ND	ND	ND	18	ND	25	25	← Dead →	
3580-2	16	17	18	19	ND	ND	19	21	ND	21	19	21	16	17	15	24	23	16	24
3584-6	ND	24	20	21	ND	ND	19	25	ND	24	21	22	20	ND	40	ND	22	30	23
3588-90	ND	ND	19	22	ND	ND	18	20	22	ND	37	21	40	ND	23	ND	16	24	Dead
Mean±SD	19±3	20±3	18±4	21±4	20±1	23±6	18±2	22±6	21±3	20±3	21±5	21±2	21±8	19±3	22±8	23±10	22±4	22±4	24±2

ND = No data available.

SL 082115

TABLE A-5

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - Control Males																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3066-7	42	42	42	43	40	42	44	44	42	49	52	48	45	43	49	46	58	57	58	48	49
3068-9	41	42	42	40	38	42	39	38	42	41	47	ND	41	43	41	40	38	41	44	40	23
3070-1	ND	44	40	42	45	42	38	31	44	44	49	48	48	52	42	45	45	46	55	48	32
3072-3	45	43	53	48	45	50	47	44	47	62	55	51	ND	52	61	ND	58	54	54	50	36
3074-5	37	40	41	40	43	48	40	37	48	56	45	47	ND	40	51	43	47	37	49	46	35
3076-7	34	35	42	34	41	38	38	51	41	52	42	41	43	35	48	49	45	42	46	37	43
3078-9	38	42	45	32	39	50	44	40	47	ND	52	51	45	44	ND	50	52	49	47	44	35
3080-1	47	46	47	45	46	49	40	49	51	ND	50	47	54	51	ND	46	45	ND	59	45	41
3082-3	40	38	43	43	47	47	52	41	54	56	57	56	57	53	ND	ND	48	17	36	47	22
3084-5	43	40	47	46	45	43	46	44	50	48	ND	48	48	52	51	42	44	52	49	50	60
3086-7	41	40	46	42	42	40	40	38	45	44	50	49	52	43	48	46	45	47	51	46	36
3088-9	43	35	25	20	46	43	38	30	52	39	42	35	38	32	33	39	36	ND	34	36	17
3090-1	52	50	18	ND	52	53	53	45	57	ND	58	54	61	58	ND	64	57	59	ND	60	43
3092-3	49	ND	52	48	51	52	44	43	53	53	54	53	46	45	ND	47	44	47	47	43	27
3094-5	45	44	49	43	50	52	44	41	ND	54	56	56	48	46	54	60	50	46	51	50	44
3096-7	27	59	ND	ND	59	61	47	43	ND	59	ND	63	62	47	61	63	ND	ND	ND	65	59
3098-9	41	ND	56	43	44	50	35	44	47	52	50	45	46	42	45	45	46	ND	51	43	36
3100-1	34	ND	40	37	38	42	36	40	42	46	46	46	39	46	41	56	52	49	43	50	23
3102-3	38	39	49	45	44	45	43	40	52	42	41	46	47	44	48	45	56	60	50	53	44
3104-5	ND	44	47	47	45	48	50	48	54	51	ND	55	ND	54	61	ND	23	ND	ND	56	40
3106-7																					
3108-9																					
3110-1																					
3112-3																					
3114-5																					
3116-7																					
3118-9																					
3120-1																					
3122-3																					
3124-5																					
3126-7																					
3128-9																					
3130-1																					
3132-3																					
3134-5																					
3472-4	48	ND	ND	46	56	57	57	ND	ND	ND	ND	57	60	49	ND	ND	61	ND	ND	50	44
3476-8	46	42	ND	47	47	47	45	40	39	53	51	45	47	58	47	48	48	55	ND	51	ND
3480-2	50	48	ND	52	49	54	48	42	42	49	55	50	49	28	52	58	45	49	ND	47	33
3484-6	40	22	ND	39	47	35	42	36	40	41	47	42	42	30	43	45	50	52	ND	54	38
3488-90	41	44	ND	41	41	42	40	37	48	46	51	36	48	50	39	41	50	53	ND	33	21
MEAN	42	42	43	42	45	46	44	41	48	49	50	49	48	45	48	48	49	49	49	48	37
±S.D.	±6	±7	±9	±7	±7	±8	±6	±5	±8	±6	±5	±7	±7	±8	±8	±7	±12	±11	±7	±7	±11

ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - Control Males																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3066-7	50	44	44	52	48	56	64	60	53	68	60	53	58	68	63	59	68	80	80	81	ND
3068-9	43	48	43	45	45	56	60	61	61	64	58	73	72	75	80	71	79	94	91	95	95
3070-1	43	ND	ND	65	60	ND	78	70	64	72	60	85	69	41	77	81	76	←	Dead		→
3072-3	53	72	63	60	59	75	88	92	51	52	92	ND	89	←			Dead				→
3074-5	52	ND	53	51	52	69	79	79	76	94	84	97	ND	90	84	66	83	←	Dead		→
3076-7	48	46	48	43	43	40	56	50	41	50	41	55	ND	34	67	ND	83	93	ND	←	Dead →
3078-9	36	49	56	42	61	54	51	62	59	65	60	66	60	60	65	66	55	55	52	52	57
3080-1	56	64	53	42	46	56	60	66	59	68	70	67	62	77	75	42	42	79	72	71	79
3082-3	55	52	56	42	15	41	45	←							Dead						→
3084-5	51	62	49	34	45	48	67	54	58	72	ND	75	68	63	66	ND	69	ND	ND	ND	99
3086-7	44	48	ND	53	50	63	64	59	37	72	ND	70	28	52	54	71	57	61	97	78	74
3088-9	35	36	45	43	44	50	50	49	35	52	58	70	63	70	69	ND	71	57	45	←	Dead →
3090-1	69	ND	ND	19	ND	ND	99	ND	ND	←						Dead					→
3092-3	45	47	45	45	43	52	36	61	54	70	66	ND	39	59	60	ND	ND	98	86	75	88
3094-5	59	75	66	65	69	86	90	82	66	ND	83	77	79	74	92	98	74	89	ND	92	86
3096-7	75	ND	ND	ND	ND	83	ND	←							Dead						→
3098-9	45	50	48	56	50	56	58	77	72	68	70	ND	57	65	68	ND	44	←	Dead		→
3100-1	46	46	42	44	51	51	45	57	50	48	58	94	60	53	55	56	62	66	56	62	66
3102-3	64	70	63	45	49	59	60	67	ND	58	66	66	67	72	80	91	ND	78	80	←	Dead →
3104-5	55	66	73	ND	14	68	68	75	66	82	83	90	60	81	86	85	ND	31	64	ND	Dead
3106-7						←							Dead								→
3108-9						ND	ND	62	ND	48	50	68	80	67	67	ND	ND	74	58	41	32
3110-1								ND	58	97	67	64	96	63	77	66	62	75	78	80	ND
3112-3										ND	ND	97	58	75	80	←		Dead			→
3114-5										ND	56	←				Dead					→
3116-7												84	53	←			Dead				→
3118-9														67	78	66	ND	27	←	Dead	→
3120-1														62	75	76	70	77	99	92	ND
3122-3														ND	67	40	47	←	Dead		→
3124-5																57	57	83	64	62	60
3126-7																		←	Dead		→
3128-9																		←	Dead		→
3130-1																		85	88	86	64
3132-3																		75	82	ND	88
3134-5																		←	Dead		→
3472-4	54	59	ND	73	ND	62	ND	67	56	65	66	74	80	53	ND	66	59	66	74	48	44
3476-8	60	64	66	ND	49	←							Dead								→
3480-2	52	54	54	38	35	71	ND	73	69	75	79	83	99	ND	ND	ND	ND	97	ND	←	Dead →
3484-6	53	57	60	57	54	76	73	68	68	ND	66	74	58	62	ND	56	ND	59	52	45	50
3488-90	41	55	50	60	ND	65	94	ND	96	ND	97	69	58	←			Dead				→
MEAN	51	55	54	49	47	61	66	66	61	67	68	75	66	64	72	67	64	73	73	71	70
±S.D.	±9	±4	±9	±12	±13	±12	±17	±10	±13	±14	±14	±12	±16	±13	±10	±15	±13	±19	±16	±18	±20

ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 50 ppm Males																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3212-3	ND	43	42	43	40	43	44	39	23	35	50	47	44	40	43	ND	50	44	56	48	47
3214-5	56	43	49	45	47	46	49	40	36	51	51	49	52	47	63	58	53	48	49	47	53
3216-7	54	ND	51	55	57	52	33	51	38	56	51	53	48	47	61	55	57	ND	49	ND	51
3218-9	27	50	ND	59	54	56	56	48	39	55	69	61	44	53	ND	ND	63	ND	ND	ND	ND
3220-1	ND	50	48	46	47	50	48	46	40	59	67	65	ND	60	ND	ND	ND	ND	43	51	62
3222-3	42	42	44	45	45	47	40	39	34	39	51	ND	48	46	51	54	23	51	55	49	61
3224-5	41	ND	49	47	45	49	47	48	37	52	53	45	50	43	57	57	53	51	ND	53	67
3226-7	38	38	42	39	39	39	41	40	31	38	48	40	48	ND	32	40	ND	46	46	37	45
3228-9	47	45	51	53	46	46	53	ND	32	43	61	60	55	49	66	58	57	47	55	62	67
3230-1																					
3232-3																					
3234-5																					
3236-7																					
3238-9																					
3240-1																					
3242-3																					
3244-5																					
3246-7																					
3248-9																					
3532-4	43	45	49	48	50	52	54	50	48	49	51	54	54	45	58	55	64	ND	ND	54	62
3536-8	40	36	49	37	39	48	40	41	40	42	ND	46	47	45	50	52	51	58	ND	ND	50
3540-2	41	56	49	46	49	46	48	46	44	46	52	55	54	48	51	41	52	62	ND	49	52
3544-6	39	ND	48	43	46	46	42	43	39	52	49	49	ND	40	54	48	45	20	ND	ND	62
3548-50	48	42	50	45	45	46	49	ND	38	44	48	47	51	43	47	45	49	52	ND	49	49
MEAN	43	44	47	46	46	47	46	44	37	47	53	51	50	47	52	51	51	48	50	50	56*
±S.D.	±8	±6	±3	±6	±5	±4	±6	±5	±6	±7	±6	±7	±4	±5	±9	±7	±11	±11	±5	±6	±8

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

Days on Test - 50 ppm Males

Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3212-3	ND	52	51	44	49	56	52	50	50	52	52	68	76	83	81	84	86	92	90	66	89
3214-5	54	63	52	50	54	58	52	69	52	55	54	54	54	59	59	71	54	43	42	←Dead→	
3216-7	50	55	53	52	36	64	56	72	68	79	73	60	ND	62	73	87	87	ND	ND	←Dead→	
3218-9	ND	ND	ND	ND	ND	48	23	←Dead→													
3220-1	59	ND	75	61	63	55	57	64	63	66	56	75	70	ND	72	ND	←Dead→				
3222-3	62	54	54	51	53	56	44	61	55	74	50	79	22	←Dead→							
3224-5	66	65	61	70	73	ND	98	ND	ND	ND	93	41	22	←Dead→							
3226-7	40	47	42	43	40	48	50	48	47	59	50	60	53	51	71	64	41	52	84	51	51
3228-9	56	69	ND	55	56	82	60	48	41	61	75	79	←Dead→								
3230-1								90	87	48	40	←Dead→									
3232-3										61	ND	84	94	66	79	87	94	83	ND	94	ND
3234-5												←Dead→									
3236-7												90	98	57	ND	ND	79	93	ND	48	61
3238-9													93	←Dead→							
3240-1														←Dead→							
3242-3														←Dead→							
3244-5														74	82	←Dead→					
3246-7														58	69	72	ND	79	75	74	87
3248-9														←Dead→							
3532-4	52	ND	33	69	ND	74	73	83	76	ND	89	ND	98	96	92	←Dead→					
3536-8	54	58	52	ND	ND	60	74	78	81	50	48	82	86	69	ND	89	92	←Dead→			
3540-2	54	61	72	32	ND	68	60	72	72	60	68	80	69	92	ND	ND	ND	97	ND	←Dead→	
3544-6	ND	65	56	61	ND	90	99	ND	ND	54	45	←Dead→									
3548-50	50	52	53	51	ND	56	56	69	62	72	64	76	88	66	77	78	ND	71	ND	←Dead→	
MEAN	54	58	55	53	53	63	61	67	63	60	61	71	71	69	76	79	76	76	73	67	79
±S.D.	±7	±7	±11	±11	±12	±13	±20	±14	±14	±10	±16	±14	±27	±14	±9	±9	±20	±20	±21	±19	±19

ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 100 ppm Males																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3174-5	54	56	38	56	55	63	56	46	48	51	59	55	58	52	60	62	60	58	59	59	60
3176-7	40	41	56	42	47	38	42	43	41	41	60	49	55	50	53	54	53	61	50	49	47
3178-9	51	48	ND	47	54	49	55	54	45	56	64	63	ND	63	58	65	61	62	62	56	49
3180-1	45	49	55	53	56	58	52	44	54	ND	ND	ND	61	53	ND	ND	ND	ND	ND	62	66
3182-3	42	45	41	45	45	17	50	39	48	48	ND	51	48	42	44	49	50	51	62	50	51
3184-5	50	53	54	46	ND	58	50	45	43	47	57	63	59	58	51	53	40	ND	ND	23	31
3186-7	30	41	47	45	49	48	40	42	48	46	48	54	52	52	57	22	50	45	59	62	55
3188-9	43	ND	45	44	52	50	57	53	44	57	ND	56	62	54	ND	ND	49	ND	ND	ND	56
3190-1	36	35	45	40	37	40	40	38	41	36	48	45	50	43	53	57	ND	ND	56	ND	ND
3192-3																					
3194-5																					
3196-7																					
3198-9																					
3200-1																					
3202-3																					
3204-5																					
3206-7																					
3208-9																					
3210-11																					
3512-4	38	39	42	39	41	39	44	41	44	48	51	44	47	38	50	48	50	49	ND	43	43
3516-8	43	44	50	45	41	43	45	40	47	47	53	50	49	43	49	48	ND	42	ND	34	50
3520-2	46	31	35	37	ND	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3524-6	38	44	47	50	51	42	56	45	49	49	57	57	56	52	ND	59	53	47	ND	49	54
3528-30	41	42	43	42	38	40	46	35	44	34	60	54	ND	ND	43	41	49	49	ND	50	37
MEAN	42	44	46	45	49	44	49	43	47	47	56*	53	53	46	52	51	51	51	58	51	50*
±S.D.	±6	±7	±6	±5	±11	±12	±6	±5	±6	±7	±6	±6	±6	±12	±6	±12	±6	±7	±4	±15	±10

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

Days on Test - 100 ppm Males

Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3174-5	63	ND	65	60	37	69	63	53	61	74	57	64	62	60	69	ND	ND	86	ND	26	29
3176-7	54	58	56	ND	67	71	68	84	84	98	94	65	64	67	←			Dead			→
3178-9	ND	68	74	75	ND	66	89	78	81	ND	89	92	ND	80	←			Dead			→
3180-1	ND	ND	ND	ND	ND	ND	ND	←							Dead						→
3182-3	53	65	67	68	64	84	74	80	81	70	34	←					Dead				→
3184-5	43	5	66	66	74	96	76	56	51	24	ND	←					Dead				→
3186-7	50	57	53	58	55	66	59	64	64	71	67	76	74	81	94	ND	48	ND	81	ND	72
3188-9	-	69	75	ND	ND	98	90	ND	ND	97	86	73	ND	←				Dead			→
3190-1	ND	67	66	69	ND	69	58	54	48	58	53	63	ND	69	57	ND	90	73	ND	←	Dead →
3192-3								78	71	74	72	92	66	91	99	ND	47	←		Dead	→
3194-5									42	48	53	58	44	48	53	ND	64	61	58	ND	62
3196-7											←					Dead					→
3198-9												64	79	33	21	ND	ND	78	ND	ND	85
3200-1												87	ND	ND	92	ND	ND	←		Dead	→
3202-3												59	67	57	59	ND	68	63	ND	72	74
3204-5														73	73	←			Dead		→
3206-7																ND	73	←		Dead	→
3208-9																ND	56	60	ND	ND	60
3210-11																			Dead		
3512-4	46	46	45	44	46	43	48	50	45	54	51	42	43	49	54	ND	77	69	ND	ND	ND
3516-8	52	47	54	64	57	60	57	64	67	56	56	46	20	62	65	ND	←			Dead	→
3520-2	ND	ND	ND	ND	ND	ND	ND	ND	←						Dead						→
3524-6	51	68	65	68	ND	80	83	55	55	ND	86	68	57	←				Dead			→
3528-30	47	ND	48	38	48	76	58	57	59	78	72	70	74	73	74	ND	65	79	ND	79	48
MEAN	53	62	61	61*	56	73*	69*	64	62	67	67	68	59	65	68	ND	65	71	70	59	61
±S.D.	±7	±9	±10	±12	±12	±15	±14	±12	±14	±21	±18	±15	±17	±16	±22	ND	±14	±9	±16	±29	±19

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 200 ppm Males																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3136-7	34	31	35	36	37	43	33	28	41	37	39	38	61	38	37	38	38	37	ND	49	29
3138-9	46	47	49	46	45	49	47	42	42	46	ND	45	51	51	46	ND	50	49	54	48	47
3140-1	36	45	45	39	39	37	33	39	41	47	43	50	41	39	46	ND	45	44	43	39	39
3142-3	43	42	49	45	49	49	45	47	48	49	61	53	58	47	51	ND	46	47	ND	51	47
3144-5	45	44	49	51	60	48	52	48	62	60	ND	63	ND	ND	ND	65	ND	ND	ND	ND	63
3146-7	47	45	44	40	53	47	43	50	47	ND	49	42	52	43	46	42	47	51	55	48	36
3148-9	39	36	44	46	44	48	46	40	41	51	53	50	47	48	48	ND	46	51	39	50	47
3150-1	41	37	52	44	47	46	43	43	48	52	59	ND	ND	ND	ND	ND	ND	ND	50	49	ND
3152-3	43	46	46	43	47	48	49	49	43	47	51	50	52	47	50	57	49	41	57	ND	48
3154-5																					
3156-7																					
3158-9																					
3160-1																					
3162-3																					
3164-5																					
3166-7																					
3168-9																					
3170-1																					
3172-3																					
3492-4	41	39	49	49	47	53	47	42	51	44	60	58	47	51	53	59	60	53	ND	51	50
3496-8	54	50	58	52	58	56	57	56	52	51	61	64	59	60	ND	59	63	50	ND	50	52
3500-4	48	ND	48	49	54	54	51	46	52	57	62	56	ND	50	56	55	ND	ND	ND	61	46
3506-8	34	41	45	42	44	44	47	39	38	49	55	52	50	50	43	ND	57	48	ND	48	43
3510	23	20	28	23	52	58	45	42	52	57	ND	59	53	57	58	ND	ND	63	ND	56	55
MEAN	41	40	46	43	46	47	46	44	46	50	54	52	49	46	49	54	50	49	50	50	46*
±S.D.	±8	±8	±7	±7	±9	±7	±7	±7	±5	±6	±8	±8	±10	±8	±6	±10	±8	±7	±7	±5	±9

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-5 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF MALE RATS MAINTAINED FOR 731 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 200 ppm Males																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3136-7	42	56	ND	56	50	56	57	72	62	53	67	71	58	65	74	85	ND	76	ND	ND	89
3138-9	ND	ND	52	54	59	67	54	63	59	63	67	61	60	60	68	58	ND	←	Dead		→
3140-1	45	69	42	43	26	62	59	52	ND	58	48	56	74	60	60	ND	68	72	66	96	66
3142-3	55	ND	58	65	63	82	86	86	76	86	76	81	78	75	80	81	46	←	Dead		→
3144-5	ND	ND	55	←									Dead								→
3146-7	48	53	50	50	60	58	68	54	33	41	46	91	66	57	67	ND	44	92	73	78	73
3148-9	53	ND	48	45	65	56	62	67	66	70	73	66	60	59	94	45	20	51	66	59	52
3150-1	53	56	52	31	52	88	88	64	58	87	84	96	88	86	ND	87	41	←	Dead		→
3152-3	54	49	55	44	55	62	58	ND	68	66	67	81	ND	74	92	←	Dead				→
3154-5								54	52	54	60	44	52	ND	47	ND	24	56	66	72	83
3156-7									←							Dead					→
3158-9									←							Dead					→
3160-1										32	ND	←				Dead					→
3162-3												52	68	88	ND	97	92	←	Dead		→
3164-5														ND	62	ND	36	ND	97	Dead	→
3166-7																72	59	←	Dead		→
3168-9																←		De			→
3170-1																69	48	54		68	69
3172-3																ND	22	←		ead	→
3492-4	57	65	56	66	68	75	64	74	73	91	ND	ND	ND	82	78	←			Dead		→
3496-8	52	50	56	52	56	60	52	62	60	56	55	57	94	56	61	89	40	66	60	36	67
3500-4	47	36	34	32	59	65	62	67	84	65	67	71	76	74	ND	ND	99	ND	ND	ND	ND
3506-8	54	35	64	71	61	89	96	98	91	←					Dead						→
3510	72	38	45	ND	ND	92	92	83	ND	93	ND	37	ND	←			Dead				→
MEAN	53	51	51	51	56	70	69	69	65	65	65	66	70	70	71	76	49	67	70	68	71
±S.D.	±8	±12	±8	±13	±11	±13	±16	±14	±15	±19	±12	±18	±13	±12	±14	±17	±25	±15	±12	±20	±12

ND = No data available.

TABLE A-6

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

Animal Numbers	Days on Test - Control																			
	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3250-1	33	37	43	47	38	46	39	42	38	50	51	49	49	39	43	46	47	48	42	47	50
3252-3	49	57	56	61	51	62	52	49	50	ND	61	61	65	62	ND	55	66	50	45	50	67
3254-5	ND	36	44	47	34	51	54	41	47	ND	59	63	57	47	63	54	51	52	54	51	57
3256-7	48	51	48	50	33	64	ND	52	55	61	68	63	58	57	50	63	61	53	60	69	27
3258-9	43	38	43	39	39	46	29	35	40	46	52	53	49	45	48	48	50	38	43	47	63
3260-1	ND	24	49	46	48	62	48	38	45	43	49	50	48	45	41	47	53	42	54	60	64
3262-3	39	35	61	67	ND	75	43	45	42	57	52	72	51	46	38	52	63	58	54	54	55
3264-5	38	41	41	42	38	42	37	25	38	48	41	46	46	72	ND	39	44	43	46	41	64
3266-7	ND	53	48	47	46	44	50	40	40	43	52	55	43	45	47	49	46	44	50	52	63
3268-9	41	40	46	39	34	41	51	46	44	45	55	56	48	50	45	50	50	48	47	50	60
3270-1	43	39	53	48	47	49	54	73	72	51	73	44	ND	68	72	55	61	ND	47	48	51
3272-3	29	32	37	35	35	32	36	35	48	42	48	41	44	30	46	37	40	37	41	34	48
3274-5	36	37	37	49	42	48	44	43	49	49	53	51	43	33	48	48	47	45	38	37	52
3276-7	33	38	39	37	40	41	41	39	43	45	52	37	48	34	46	45	ND	40	50	47	49
3278-9	28	29	37	41	33	33	31	32	42	37	35	36	39	31	33	35	42	32	ND	ND	46
3280-1	38	30	40	41	40	39	41	40	41	44	51	37	43	46	43	42	46	43	45	49	52
3282-3	35	26	38	44	38	42	45	39	41	ND	48	45	49	44	42	42	48	42	46	50	47
3284-5	36	29	39	41	38	41	42	45	40	43	52	44	42	39	40	46	49	44	46	42	42
3286-7	35	30	43	39	41	50	50	46	48	51	64	56	53	39	42	50	ND	45	39	45	55
3288-9	35	25	41	48	18	55	36	36	20	23	ND	42	44	37	57	41	ND	43	ND	51	58
3290-1																					
3292-3																					
3294-5																					
3296-7																					
3298-9																					
3300-1																					
3302-3																					
3304-5																					
3306-7																					
3308-9																					
3310-1																					
3312-3																					
3314-5																					
3316-7																					
3318-9																					
3552-4	47	43	48	52	50	53	50	44	49	46	50	56	48	38	38	43	46	37	ND	42	50
3556-8	44	44	53	53	47	59	52	46	45	47	53	53	56	16	55	69	56	ND	ND	50	57
3560-2	42	36	44	47	45	44	43	41	42	49	48	40	ND	ND	38	40	52	ND	ND	25	49
3564-6	41	45	42	51	44	56	40	46	43	48	61	56	52	46	58	44	42	44	ND	50	56
3568-70	36	36	34	37	54	56	39	36	41	42	46	43	47	48	46	49	44	44	ND	47	47
MEAN	39	39	44	46	41	49	44	42	44	46	53	50	49	44	47	48	50	44	47	47	53
±S.D.	±6	±8	±7	±7	±8	±10	±7	±9	±9	±7	±8	±9	±6	±12	±9	±8	±7	±6	±6	±8	±9

ND = No data available.

Table A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - Control																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3250-1	46	ND	50	50	48	63	56	50	46	48	46	45	45	←Dead							
3252-3	66	61	66	64	65	50	37	61	ND	61	61	70	66	35	32	←Dead					
3254-5	51	9	64	41	44	50	54	38	31	69	57	56	48	51	59	66	53	68	84	72	66
3256-7	11	69	72	52	42	72	67	ND	76	←Dead→											
3258-9	57	53	ND	68	68	76	61	ND	62	67	63	67	48	67	53	48	40	70	44	←Dead→	
3260-1	63	56	63	59	60	58	64	62	54	74	70	58	56	62	65	62	58	75	86	27	53
3262-3	53	47	ND	49	44	55	55	ND	58	60	61	55	64	44	56	59	69	52	ND	←Dead→	
3264-5	48	64	72	69	ND	←Dead→															
3266-7	52	53	29	44	26	52	44	54	53	47	49	58	62	56	62	53	11	63	55	53	58
3268-9	50	59	58	55	48	60	61	70	80	73	74	82	66	56	76	53	49	←Dead→			
3270-1	54	66	59	ND	ND	60	ND	64	76	92	76	71	65	49	86	63	60	31	27	19	Dead
3272-3	42	42	43	11	37	46	12	53	44	51	48	46	48	32	45	52	62	ND	50	60	60
3274-5	48	50	61	50	52	52	48	67	63	48	50	29	25	50	61	61	55	49	65	43	47
3276-7	47	56	48	48	49	54	56	57	54	56	52	34	54	ND	57	←Dead→					
3278-9	35	43	39	42	40	37	48	65	67	69	69	68	54	50	ND	52	87	56	57	53	57
3280-1	49	ND	54	54	62	56	56	70	64	68	70	67	52	61	67	53	48	ND	ND	57	ND
3282-3	49	51	44	52	52	52	61	53	52	62	ND	54	55	49	59	51	56	60	62	68	ND
3284-5	49	ND	ND	47	40	48	52	44	45	50	47	58	50	42	38	66	72	50	67	←Dead→	
3286-7	50	55	52	50	50	60	62	69	75	18	65	ND	52	71	74	ND	←Dead→				
3288-9	50	52	48	43	ND	51	69	54	53	54	49	51	ND	63	ND	35	ND	57	48	←Dead→	
3290-1						60	ND	67	61	65	74	74	72	67	70	92	91	ND	ND	ND	ND
3292-3											77	58	ND	←Dead→							
3294-5														53	55	55	31	53	89	48	52
3296-7														62	78	72	88	83	82	86	66
3298-9																53	49	62	74	52	46
3300-1																43	40	53	49	44	61
3302-3																←Dead→					
3304-5																ND	ND	71	65	56	62
3306-7																59	61	58	92	66	63
3308-9																60	56	51	75	←Dead→	
3310-1																		61	56	55	67
3312-3																		9	56	38	Dead
3314-5																		44	33	37	38
3316-7																		48	53	41	48
3318-9																		78	74	←Dead→	
3552-4	50	55	57	50	44	50	60	56	ND	52	48	60	52	58	63	56	59	67	ND	←Dead→	
3556-8	56	71	67	67	58	68	66	73	67	70	63	65	ND	68	86	←Dead→					
3560-2	41	ND	9	42	41	49	50	57	53	52	50	70	55	61	68	←Dead→					
3564-6	48	48	49	38	45	47	48	48	48	40	44	24	41	56	54	←Dead→					
3568-70	41	45	50	48	51	52	47	54	50	59	47	63	46	28	ND	51	71	52	47	60	58
MEAN	48	53	52	50	48	55	54	58	58	59	59	58	53	54	62	57	58	57	62	52	56
±S.D.	±10	±13	±15	±12	±10	±9	±12	±9	±12	±14	±11	±14	±10	±11	±14	±11	±19	±15	±17	±16	±8

ND = No data available.

TABLE A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 50 ppm																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3398-9	29	32	42	40	35	49	27	32	36	60	42	37	40	31	20	48	48	31	37	36	43
3400-1	36	38	43	45	47	45	42	40	47	73	45	54	45	26	28	46	52	47	54	57	61
3402-3	ND	41	36	38	43	40	42	37	44	71	43	44	40	45	51	45	46	44	47	47	58
3404-5	41	40	40	43	31	37	43	40	36	60	40	40	45	ND	44	37	48	48	ND	40	50
3406-7	34	35	36	39	45	39	42	41	38	72	45	47	ND	42	44	47	59	51	46	52	58
3408-9	33	54	38	33	30	32	39	34	38	65	35	39	37	37	32	34	40	26	35	38	46
3410-1	41	21	44	36	46	45	46	45	45	72	52	50	52	41	52	50	53	47	50	52	63
3412-3	ND	38	49	42	44	48	42	42	43	76	38	54	61	46	44	47	50	41	46	44	55
3414-5	38	44	46	45	ND	47	48	40	50	69	50	50	50	ND	55	54	49	48	49	54	62
3416-7																					
3418-9																					
3420-1																					
3422-3																					
3424-5																					
3426-7																					
3428-9																					
3430-1																					
3432-3																					
3434-5																					
3612&4	41	42	44	39	34	39	40	36	40	43	39	38	46	43	46	48	42	40	ND	40	ND
3616&8	44	50	46	45	46	42	46	39	48	43	53	52	45	48	40	46	55	52	ND	42	ND
3620&2	44	42	42	48	40	51	ND	40	39	49	59	50	53	46	44	56	50	46	ND	52	ND
3624&6	35	52	38	38	43	43	36	35	35	38	41	42	43	38	40	40	42	36	ND	44	ND
3628&30	34	35	30	35	36	35	34	39	41	36	42	ND	40	38	39	42	50	39	ND	50	ND
MEAN	37	40	41	40	40	42	41	39	41	59*	45*	46	46	40	41	46	49	43	46	46	55
±S.D.	±5	±9	±5	±4	±6	±6	±6	±3	±5	±14	±7	±6	±7	±7	±9	±6	±5	±8	±6	±7	±7

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALL RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 50 ppm																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3398-9	47	ND	35	35	40	41	38	46	42	48	ND	44	45	41	74	37	19	ND	47	←Dead→	
3400-1	89	61	61	52	50	55	60	64	55	56	58	52	24	ND	45	53	28	38	45	←Dead→	
3402-3	ND	52	44	30	40	49	54	44	49	47	44	45	40	40	50	48	ND	46	45	42	49
3404-5	39	ND	48	40	44	ND	41	48	39	45	47	50	96	56	47	14	ND	←Dead→			
3406-7	66	40	54	51	49	54	47	55	56	51	45	52	36	53	56	52	46	50	55	48	40
3408-9	37	42	54	39	42	45	44	41	48	50	40	68	ND	42	51	53	68	55	78	42	50
3410-1	61	ND	56	54	52	64	60	ND	76	75	68	78	61	74	52	57	73	←Dead→			
3412-3	45	50	42	41	44	48	42	50	43	51	60	76	45	52	53	46	55	←Dead→			
3414-5	45	52	51	50	58	52	50	62	68	62	56	74	ND	51	66	74	76	78	84	62	62
3416-7								58	56	50	ND	41	64	55	64	92	41	67	ND	67	Dead
3418-9								60	61	59	ND	75	37	ND	ND	46	57	70	ND	54	62
3420-1																		←Dead→			
3422-3																		57	52	49	46
3424-5																		91	82	52	48
3426-7																		51	ND	44	50
3428-9																		39	38	32	34
3430-1																		53	54	64	61
3432-3																		←Dead→			
3434-5																		44	52	79	62
3612&4	41	44	42	45	37	40	44	42	49	49	48	64	48	46	46	88	90	71	73	71	64
3616&8	49	49	49	48	53	←Dead→															
3620&2	36	26	49	35	48	←Dead→															
3624&6	48	50	43	66	59	48	52	52	60	64	63	67	78	54	75	65	25	66	51	58	67
3628&30	50	54	48	54	52	54	54	56	61	22	65	54	65	46	46	34	52	66	11	59	57
MEAN	50	47	49	46	48	50	49	52	55	52	54	60	53	51	56	54	53	59	55	55	54
±S.D.	±15	±9	±6	±10	±7	±7	±7	±8	±10	±12	±10	±13	±20	±9	±11	±21	±22	±15	±20	±13	±10

ND = No data available.

TABLE A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 100 ppm																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3360-1	ND	38	38	40	41	46	42	34	44	45	49	54	ND	ND	38	47	55	54	55	52	6
3362-3	36	34	40	37	46	41	35	40	33	43	46	63	48	42	44	35	51	46	42	49	31
3364-5	34	24	39	33	35	34	35	34	40	46	48	50	52	48	45	48	52	45	48	49	61
3366-7	45	41	48	44	43	33	59	42	54	49	63	56	56	48	49	51	60	59	60	23	63
3368-9	32	33	38	35	41	34	25	41	36	38	41	49	43	ND	42	50	46	40	37	38	44
3370-1	ND	ND	41	41	44	47	41	49	49	54	ND	69	53	61	52	52	60	ND	54	79	ND
3372-3	45	41	12	46	51	51	41	43	47	50	70	64	ND	ND	ND	ND	ND	ND	ND	52	ND
3374-5	51	43	49	48	52	42	51	50	49	52	67	62	70	60	61	64	66	63	55	56	73
3376-7	12	30	26	32	28	31	34	40	41	27	21	52	39	32	30	31	41	29	39	41	47
3378-9																					
3380-1																					
3382-3																					
3384-5																					
3386-7																					
3388-9																					
3390-1																					
3392-3																					
3394-5																					
3396-7																					
3592&4	44	39	39	43	53	51	51	38	46	46	50	52	60	48	56	60	62	ND	ND	60	76
3596&8	31	38	39	38	38	35	35	42	46	46	46	43	41	39	ND	42	53	46	ND	50	55
3600&2	36	38	42	50	43	33	44	42	52	46	51	43	46	44	37	43	49	48	ND	48	56
3604&6	33	38	33	ND	34	44	46	41	38	39	54	50	40	38	58	43	48	43	ND	50	53
3608&10	44	39	46	39	47	42	41	41	39	34	54	53	59	47	56	55	69	53	ND	46	63
MEAN	37	37	38	40	43	40*	41	41	44	44	51	54	51	46	47	48	55	48	49	50	52
±S.D.	±10	±5	±9	±6	±7	±7	±9	±4	±6	±7	±12	±8	±10	±9	±10	±9	±8	±9	±9	±12	±19

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-4 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 100 ppm																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3360-1	57	ND	55	54	33	69	60	73	58	73	66	76	70	80	75	--	--	--	Dead	--	--
3362-3	50	54	52	47	50	50	54	52	52	57	44	46	44	45	47	45	42	ND	ND	ND	40
3364-5	ND	56	61	59	55	62	62	68	64	ND	70	64	61	59	65	57	38	79	72	ND	68
3366-7	61	ND	60	60	63	67	71	76	81	80	83	72	ND	82	85	60	67	ND	27	Dead	--
3368-9	46	38	15	48	34	44	51	12	42	45	46	36	72	46	54	46	44	50	79	69	ND
3370-1	71	67	59	76	63	65	95	74	ND	98	86	ND	44	ND	96	99	ND	94	ND	Dead	--
3372-3	80	61	57	67	60	60	72	68	73	65	57	63	53	61	81	71	66	83	82	Dead	--
3374-5	62	78	70	ND	76	79	68	69	79	66	26	28	52	45	65	--	--	--	Dead	--	--
3376-7	44	31	42	46	43	46	41	37	51	45	46	43	57	37	39	45	40	36	39	43	16
3378-9																ND	60	70	64	77	90
3380-1																44	40	85	56	Dead	--
3382-3																ND	60	54	38	ND	64
3384-5																		73	66	57	63
3386-7																		61	61	61	64
3388-9																		51	ND	38	56
3390-1																		65	62	58	60
3392-3																		72	76	25	9
3394-5																		52	56	55	51
3396-7																					
3592&4	62	60	ND	72	40	80	73	78	76	74	78	76	69	45	41	--	--	--	Dead	--	--
3596&8	58	59	51	51	48	48	51	60	58	60	50	53	51	51	57	64	ND	77	90	88	79
3600&2	46	54	46	59	57	58	57	ND	59	56	60	67	60	56	63	62	60	44	51	Dead	--
3604&6	47	54	52	58	50	56	57	62	60	56	56	55	91	47	57	55	64	72	66	67	76
3608&10	59	51	26	72	58	72	69	83	74	78	82	75	ND	63	65	68	55	--	--	Dead	--
MEAN	57	55	50	59*	52	61	63	62	64	66	60	58	60	55	64	60	53	66	62	58	57
±S.D.	±11	±12	±15	±10	±12	±12	±13	±19	±12	±15	±18	±16	±13	±14	±16	±16	±11	±16	±17	±18	±23

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 200 ppm																			
Animal Numbers	104-105	107-108	139-140	142-143	174-175	177-178	209-210	212-213	237-238	240-241	265-266	268-269	293-294	296-297	331-332	335-336	356-357	359-360	385-386	387-388	412-413
3322-3	30	31	27	29	29	25	31	33	38	27	49	35	ND	31	31	38	34	31	36	36	51
3324-5	37	43	45	39	48	46	46	41	49	68	46	49	53	46	51	59	60	49	43	52	55
3326-7	34	40	37	34	38	37	40	27	33	38	46	47	42	42	31	31	45	37	39	39	54
3328-9	30	37	35	43	37	40	37	39	9	48	45	44	44	48	38	42	42	56	43	46	48
3330-1	41	41	41	42	47	39	43	41	48	42	51	51	47	38	37	49	49	48	47	47	64
3332-3	40	35	43	38	42	40	45	41	45	47	49	53	51	46	46	46	57	59	57	49	44
3334-5	36	39	53	51	42	45	49	52	43	40	54	37	41	41	48	50	47	46	50	44	25
3336-7	40	47	50	43	52	48	50	49	45	64	61	56	60	58	62	60	64	53	73	50	ND
3338-9	29	26	38	32	33	34	36	34	37	40	45	38	36	39	43	38	44	40	40	31	40
3340-1																					
3342-3																					
3344-5																					
3346-7																					
3348-9																					
3350-1																					
3352-3																					
3354-5																					
3356-7																					
3358-9																					
3572&4	49	44	43	45	49	48	43	40	41	43	53	49	45	58	43	42	ND	ND	ND	47	47
3576&8	33	33	36	31	37	37	39	32	36	40	47	ND	12	18	33	38	39	ND	ND	36	ND
3580&2	35	35	40	33	34	34	36	34	37	38	46	40	40	45	44	41	48	ND	ND	42	45
3584&6	38	37	24	49	41	28	39	36	39	41	44	33	50	42	50	45	45	ND	ND	48	58
3588&90	39	45	54	44	43	50	9	41	45	42	53	48	58	50	53	56	64	ND	ND	57	60
MEAN	37	38	40	40*	41	39*	39	39	39	44	49	45	45	43	44	45	49	47	48	45	49
±S.D.	±5	±6	±9	±7	±7	±8	±10	±7	±10	±10	±5	±7	±12	±10	±9	±9	±9	±9	±11	±7	±10

*Significantly different from controls by Dunnett's test, $p<0.05$.
ND = No data available.

TABLE A-6 (cont'd)

INDIVIDUAL AND MEAN DAILY WATER CONSUMPTION OF FEMALE RATS MAINTAINED FOR 730 DAYS ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE

	Days on Test - 200 ppm																			
Animal Numbers	415-416	440-441	443-444	468-469	471-472	499-500	503-504	538-539	541-542	566-567	569-570	594-595	597-598	622-623	625-626	650-651	653-654	685-686	688-689	716-717	720-721
3322-3	33	38	34	34	38	44	41	54	46	46	44	45	19	41	42	41	26	65	85	67	58
3324-5	53	45	44	54	75	51	35	Dead													
3326-7	51	51	50	41	35	45	40	42	47	46	ND	44	45	44	45	45	96	49	48	51	47
3328-9	42	45	43	44	45	51	50	53	48	55	51	57	38	56	57	65	Dead				
3330-1	60	53	55	51	53	62	59	55	76	73	64	82	65	74	83	86	59	95	89	70	72
3332-3	54	ND	59	55	55	72	64	62	72	69	52	97	32	58	54	37	41	Dead			
3334-5	52	55	50	54	46	54	48	52	64	59	51	52	59	51	53	58	56	62	60	60	ND
3336-7	59	67	62	41	61	62	69	74	67	64	59	68	73	74	78	Dead					
3338-9	44	45	32	55	37	44	54	47	50	44	48	47	42	41	47	31	79	Dead			
3340-1								72	62	ND	60	87	50	56	71	84	83	27	73	89	ND
3342-3																Dead					
3344-5																43	47	60	ND	ND	40
3346-7																ND	46	75	77	ND	75
3348-9																ND	65	46	52	36	40
3350-1																		Dead			
3352-3																		Dead			
3354-5																		32	48	35	ND
3356-7																		33	70	61	63
3358-9																		50	34	Dead	
3572&4	43	41	48	40	53	52	50	45	50	58	47	57	ND	52	53	52	91	63	68	58	58
3576&8	55	50	47	47	49	63	53	59	60	68	74	61	53	79	78	ND	91	Dead			
3580&2	41	43	47	40	43	40	49	ND	53	49	49	46	50	55	61	57	61	44	35	46	ND
3584&6	45	86	45	44	55	60	56	30	50	67	58	67	79	76	58	68	69	68	83	61	ND
3588&90	58	55	54	65	64	68	60	71	75	25	66	37	53	51	61	40	31	84	52	Dead	
MEAN	49	52	48	48	51	55	52	55	59	56	56	60	51	58	60	54	63	57	62	58	57
±S.D.	±8	±13	±8	±8	±11	±10	±9	±13	±11	±13	±9	±18	±16	±13	±13	±17	±22	±19	±18	±16	±13

ND = No data available.

TABLE A-7

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	PCV Percent				RBC x 10^6/mm^3				Hgb g/100 ml				WBC x 10^3/mm^3			
Days on Test:		181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701
0	74-3066	ND[a]	53	51	45	ND	8.07	8.36	7.22	ND	15.5	16.1	13.6	ND	14.6	9.8	25.3
	3067	50	50	48	ND	8.82	8.25	7.80	ND	16.2	16.3	16.0	ND	11.6	14.6	12.1	ND
	3068	ND	50	45	ND	ND	8.03	6.83	ND	ND	15.9	14.2	ND	ND	14.1	11.5	ND
	3069	53	ND	ND	44	9.70	ND	ND	7.10	17.3	ND	ND	14.3	11.6	ND	ND	11.1
	3070	48	43	44	ND	9.37	7.22	6.58	ND	17.2	14.4	13.8	ND	15.3	17.7	17.7	ND
	3071	ND	52	47	ND	ND	7.76	7.05	ND	ND	16.3	14.8	ND	ND	15.1	15.7	ND
	3072	49	ND	ND	ND	8.97	ND	ND	ND	16.6	ND	ND	ND	9.5	ND	ND	ND
	3073	53	ND	ND	ND	9.14	ND	ND	ND	17.1	ND	ND	ND	12.7	ND	ND	ND
	3080	ND	ND	ND	50	ND	ND	ND	9.18	ND	ND	ND	16.1	ND	ND	ND	16.3
	3085	ND	ND	ND	38	ND	ND	ND	6.92	ND	ND	ND	12.6	ND	ND	ND	18.3
	3086	ND	ND	ND	38	ND	ND	ND	6.51	ND	ND	ND	12.6	ND	ND	ND	17.9
	3093	ND	ND	ND	40	ND	ND	ND	6.22	ND	ND	ND	12.6	ND	ND	ND	21.7
	3095	ND	ND	ND	42	ND	ND	ND	7.10	ND	ND	ND	14.5	ND	ND	ND	10.3
	3100	ND	ND	ND	50	ND	ND	ND	7.75	ND	ND	ND	16.1	ND	ND	ND	9.3
	3102	ND	ND	ND	49	ND	ND	ND	7.55	ND	ND	ND	15.5	ND	ND	ND	14.4
	3104	ND	ND	ND	52	ND	ND	ND	7.97	ND	ND	ND	16.1	ND	ND	ND	13.4
	MEAN±SD	50±2	50±4	47±3	45±5	9.20±0.35	7.87±0.40	7.32±0.74	7.35±0.83	16.9±0.5	15.7±0.8	14.9±1.0	14.4±1.5	12.1±2.1	15.2±1.4	13.4±3.2	15.8±5.1
50	74-3212	ND	53	51	47	ND	8.52	8.73	7.72	ND	16.0	17.1	15.5	ND	12.6	12.4	16.7
	3213	ND	52	48	35	ND	8.73	7.43	5.74	ND	16.5	15.4	12.2	ND	12.6	16.4	18.1
	3214	52	ND	ND	ND	8.78	ND	ND	ND	17.4	ND	ND	ND	14.8	ND	ND	ND
	3215	ND	54	51	ND	ND	9.27	8.53	ND	ND	17.3	16.9	ND	ND	18.7	13.2	ND
	3216	50	ND	ND	ND	8.82	ND	ND	ND	18.4	ND	ND	ND	18.9	ND	ND	ND
	3217	ND	53	47	47	ND	8.11	7.64	7.42	ND	16.1	15.7	15.4	ND	14.7	13.3	16.9
	3218	51	50	ND	ND	8.58	7.93	ND	ND	15.9	16.0	ND	ND	15.9	23.7	ND	ND
	3219	55	ND	ND	ND	9.37	ND	ND	ND	18.1	ND	ND	ND	19.6	ND	ND	ND
	3221	51	ND	48	ND	9.15	ND	7.05	ND	17.8	ND	14.3	ND	13.7	ND	13.1	ND
	3227	ND	ND	ND	45	ND	ND	ND	7.22	ND	ND	ND	15.6	ND	ND	ND	12.4
	3232	ND	ND	ND	42	ND	ND	ND	6.67	ND	ND	ND	14.0	ND	ND	ND	12.1
	3236	ND	ND	ND	43	ND	ND	ND	7.02	ND	ND	ND	14.4	ND	ND	ND	21.2
	3237	ND	ND	ND	51	ND	ND	ND	8.08	ND	ND	ND	17.0	ND	ND	ND	11.6
	3247	ND	ND	ND	48	ND	ND	ND	8.12	ND	ND	ND	16.1	ND	ND	ND	20.4
	3540	ND	ND	ND	40	ND	ND	ND	6.12	ND	ND	ND	14.0	ND	ND	ND	12.9
	MEAN±SD	52±2	52±2	49±2	44±5	8.94±0.32	8.51±0.53	7.88±0.72	7.12±0.83	17.5±1.0	16.4±0.6	15.9±1.1	14.9±1.4	16.6±2.6*	16.5±4.8	13.7±1.6	15.8±3.7

ND = no data available.

*Significantly different from control mean by Dunnett's test, $p<0.05$.

TABLE A-7 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	Neutrophils				Lymphocytes				Monocytes				Eosinophils				Basophils			
Days on Test:		181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701
0	74-3066	ND	12	18	50	ND	78	79	41	ND	9	1	5	ND	1	2	4	ND	0	0	0
	3067	8	8	13	ND	88	81	79	ND	3	10	5	ND	1	1	3	ND	0	0	0	ND
	3068	ND	10	13	ND	ND	84	82	ND	ND	3	5	ND	ND	2	0	ND	ND	1	0	ND
	3069	11	ND	ND	25	84	ND	ND	68	4	ND	ND	4	1	ND	ND	3	0	ND	ND	0
	3070	46	23	26	ND	51	73	66	ND	2	3	7	ND	1	1	1	ND	0	0	0	ND
	3071	ND	18	20	ND	ND	79	75	ND	ND	2	3	ND	[illegible]	1	2	ND	ND	0	0	ND
	3072	14	ND	ND	ND	79	ND	ND	ND	5	ND	ND	ND		ND	ND	ND	0	ND	ND	ND
	3073	11	ND	ND	ND	83	ND	ND	ND	6	ND	ND	ND		ND	ND	ND	0	ND	ND	ND
	3080	ND	ND	ND	31	ND	ND	ND	63	ND	ND	ND	4		ND	ND	2	ND	ND	ND	0
	3085	ND	ND	ND	18	ND	ND	ND	74	ND	ND	ND	7		ND	ND	1	ND	ND	ND	0
	[illegible]	ND	ND	ND	30	ND	ND	ND	61	ND	ND	ND	9	[illegible]	[illegible]	ND	0	ND	ND	ND	0
	[illegible]3	ND	ND	ND	57	ND	ND	ND	35	ND	ND	ND	7	ND		ND	1	ND	ND	ND	0
	3095	ND	ND	ND	52	ND	ND	ND	46	ND	ND	ND	2	ND	ND	ND	0	ND	ND	ND	0
	3100	ND	ND	ND	23	ND	ND	ND	70	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	0
	3102	ND	ND	ND	35	ND	ND	ND	60	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	0
	3104	ND	ND	ND	27	ND	ND	ND	67	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	MEAN	18	14	18	35	77	79	76	58	4	5	4	5	1	1	2	2	0	0	0	0
50	74-3212	ND	18	9	42	ND	77	83	53	ND	2	6	5	ND	3	2	0	ND	0	0	0
	3213	ND	13	83	44	ND	86	14	49	ND	0	2	6	ND	1	1	1	ND	0	0	0
	3214	19	ND	ND	ND	74	ND	ND	ND	3	ND	ND	ND	4	ND	ND	ND	0	ND	ND	ND
	3215	ND	26	10	ND	ND	74	84	ND	ND	0	4	ND	ND	0	2	ND	ND	0	0	ND
	16	15	ND	ND	ND	81	ND	ND	ND	3	ND	ND	ND	1	ND	ND	ND	0	ND	ND	ND
	3217	ND	20	22	42	ND	75	70	52	ND	1	6	3	ND	4	2	3	0	ND	0	0
	3218	8	33	ND	ND	86	64	ND	ND	5	3	ND	ND	1	0	ND	ND	0	0	ND	ND
	3219	21	ND	ND	ND	74	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	ND	0	ND	ND
	3221	14	ND	27	ND	82	ND	68	ND	4	ND	4	ND	0	ND	1	ND	0	ND	0	ND
	3227	ND	ND	ND	20	ND	ND	ND	70	ND	ND	ND	9	ND	ND	ND	1	ND	ND	ND	0
	3232	ND	ND	ND	26	ND	ND	ND	68	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	3236	ND	ND	ND	31	ND	ND	ND	62	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	0
	3237	ND	ND	ND	29	ND	ND	ND	63	ND	ND	ND	5	ND	ND	ND	3	ND	ND	ND	0
	3247	ND	ND	ND	40	ND	ND	ND	56	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	0
		ND	ND	ND	32	ND	ND	ND	59	ND	ND	ND	8	ND	ND	ND	1	ND	ND	ND	0
		15	22	30	34	79	75	64	59	4	1	4	5	1	2	2	2	0	0	0	0

ND = No data available.

TABLE A-7 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	PCV Percent				RBC x 10^6/mm^3				Hgb g/100 ml				WBC x 10^3/mm^3			
Days on Test:		181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701
100	74-3175	54	57	51	48	9.61	9.89	8.44	7.93	18.1	18.1	15.9	15.5	12.6	17.2	12.7	24.2
	3176	ND	48	49	ND	ND	8.37	7.72	ND	ND	15.7	14.7	ND	ND	14.2	18.0	ND
	3177	50	ND	ND	ND	8.77	ND	ND	ND	16.8	ND	ND	ND	11.6	ND	ND	ND
	3179	50	ND	ND	ND	9.00	ND	ND	ND	16.4	ND	ND	ND	11.6	ND	ND	ND
	3180	54	ND	ND	ND	9.69	ND	ND	ND	18.2	ND	ND	ND	11.5	ND	ND	ND
	3182	ND	48	46	ND	ND	7.63	7.28	ND	ND	15.4	14.9	ND	ND	20.5	21.8	ND
	3183	59	52	39	ND	10.13	8.31	6.72	ND	19.3	15.9	12.8	ND	11.6	14.7	19.1	ND
	3184	ND	50	57	ND	ND	8.17	7.33	ND	ND	16.2	17.8	ND	ND	25.7	23.8	ND
	3186	ND	ND	ND	46	ND	ND	ND	7.53	ND	ND	ND	15.2	ND	ND	ND	16.2
	3187	ND	ND	ND	45	ND	ND	ND	7.15	ND	ND	ND	14.7	ND	ND	ND	11.4
	3191	ND	ND	ND	49	ND	ND	ND	7.71	ND	ND	ND	15.9	ND	ND	ND	15.8
	3195	ND	ND	ND	46	ND	ND	ND	7.70	ND	ND	ND	14.6	ND	ND	ND	25.7
	3199	ND	ND	ND	47	ND	ND	ND	6.89	ND	ND	ND	14.4	ND	ND	ND	25.5
	3202	ND	ND	ND	51	ND	ND	ND	8.17	ND	ND	ND	16.4	ND	ND	ND	13.5
	3209	ND	ND	ND	51	ND	ND	ND	8.66	ND	ND	ND	16.4	ND	ND	ND	25.2
	3208	ND	ND	ND	46	ND	ND	ND	7.68	ND	ND	ND	15.0	ND	ND	ND	16.2
	3512	ND	ND	ND	45	ND	ND	ND	6.73	ND	ND	ND	14.9	ND	ND	ND	10.7
	MEAN±SD	53±4	51±4	48±7	47±3	9.44±0.55	8.47±0.84	7.49±0.64	7.62±0.58	17.8±1.2	16.5±1.1	15.2±1.8	15.3±0.7	11.8±0.5	18.5±4.8	19.1±4.2*	18.4±6.1
200	74-3137	ND	50	53	50	ND	8.07	8.42	7.85	ND	15.3	16.1	15.3	ND	36.4	17.8	16.6
	3139	58	51	50	ND	10.13	8.17	7.64	ND	19.5	16.6	16.1	ND	15.5	16.0	15.6	ND
	3140	52	53	47	46	9.18	8.53	7.87	7.76	17.1	16.4	15.3	15.1	13.9	18.9	15.0	13.0
	3141	54	53	52	51	9.26	8.34	8.75	7.91	17.7	16.4	16.6	15.6	15.4	18.7	15.8	16.4
	3142	55	ND	ND	ND	9.90	ND	ND	ND	18.2	ND	ND	ND	17.9	ND	ND	ND
	3143	ND	57	44	ND	ND	9.50	7.59	ND	ND	18.7	14.8	ND	ND	16.4	23.2	ND
	3144	51	ND	ND	ND	8.77	ND	ND	ND	16.8	ND	ND	ND	10.6	ND	ND	ND
	3147	ND	ND	ND	49	ND	ND	ND	7.47	ND	ND	ND	15.9	ND	ND	ND	20.2
	3148	ND	ND	ND	47	ND	ND	ND	7.99	ND	ND	ND	15.0	ND	ND	ND	17.5
	3154	ND	ND	ND	46	ND	ND	ND	7.55	ND	ND	ND	15.2	ND	ND	ND	16.3
	3171	ND	ND	ND	48	ND	ND	ND	7.81	ND	ND	ND	15.4	ND	ND	ND	18.6
	3496	ND	ND	ND	48	ND	ND	ND	7.79	ND	ND	ND	15.6	ND	ND	ND	14.0
	3498	ND	ND	ND	44	ND	ND	ND	7.60	ND	ND	ND	15.4	ND	ND	ND	19.2
	3500	ND	ND	ND	41	ND	ND	ND	6.40	ND	ND	ND	13.1	ND	ND	ND	20.1
	MEAN±SD	54±3	53±3	49±4	47±3	9.45±0.56	8.52±0.57	8.05±0.51	7.61±0.46	17.9±1.1	16.7±1.2	15.8±0.7	15.2±0.8	14.7±2.7	21.3±8.6	17.5±3.4	17.2±2.4

ND = No data available.

TABLE A-7 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	Neutrophils				Lymphocytes				Monocytes				Eosinophils				Basophils			
Days on Test:		181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701	181	365	540	701
100	74-3175	9	18	9	29	84	80	81	66	5	2	8	5	2	0	2	0	0	0	0	0
	3176	ND	22	25	ND	ND	70	69	ND	ND	6	4	ND	ND	2	2	ND	ND	0	0	ND
	3177	17	ND	ND	ND	76	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	0	ND	ND	ND
	3179	10	ND	ND	ND	85	ND	ND	ND	5	ND	ND	ND	0	ND	ND	ND	0	ND	ND	ND
	3180	20	ND	ND	ND	76	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND
	3182	ND	35	31	ND	ND	58	59	ND	ND	6	5	ND	ND	1	5	ND	ND	0	0	ND
	3183	26	32	32	ND	71	64	58	ND	2	3	10	ND	1	1	0	ND	0	0	0	ND
	3184	ND	60	56	ND	ND	37	39	ND	ND	3	5	ND	ND	0	0	ND	ND	0	0	ND
	3186	ND	ND	ND	24	ND	ND	ND	68	ND	ND	ND	6	ND	ND	ND	2	ND	ND	ND	0
	3187	ND	ND	ND	37	ND	ND	ND	59	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	0
	3191	ND	ND	ND	50	ND	ND	ND	44	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	3195	ND	ND	ND	39	ND	ND	ND	54	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	0
	3199	ND	ND	ND	28	ND	ND	ND	65	ND	ND	ND	7	ND	ND	ND	0	ND	ND	ND	0
	3202	ND	ND	ND	45	ND	ND	ND	48	ND	ND	ND	6	ND	ND	ND	1	ND	ND	ND	0
	3209	ND	ND	ND	47	ND	ND	ND	49	ND	ND	ND	4	ND	ND	ND	0	ND	ND	ND	0
	3208	ND	ND	ND	46	ND	ND	ND	48	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	3512	ND	ND	ND	54	ND	ND	ND	43	ND	ND	ND	3	ND	ND	ND	0	ND	ND	ND	0
	MEAN	16	33	31	40	78	62	61	54	4	4	6	5	2	1	2	1	0	0	0	0
200	74-3137	ND	67	14	25	ND	29	83	72	ND	4	3	3	ND	0	0	0	ND	0	0	0
	3139	18	10	19	ND	82	82	75	ND	8	5	3	ND	2	3	3	ND	0	0	0	ND
	3140	8	23	18	25	88	74	80	71	3	2	0	4	1	1	2	0	0	0	0	0
	3141	28	29	14	41	66	63	82	56	4	4	4	3	2	4	0	0	0	0	0	0
	3142	9	ND	ND	ND	82	ND	ND	ND	8	ND	ND	ND	0	ND	ND	ND	1	ND	ND	ND
	3143	ND	19	33	ND	ND	72	58	ND	ND	4	6	ND	ND	5	3	ND	ND	0	0	ND
	3144	16	ND	ND	ND	76	ND	ND	ND	4	ND	ND	ND	4	ND	ND	ND	0	ND	ND	ND
	3147	ND	ND	ND	22	ND	ND	ND	76	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	0
	3148	ND	ND	ND	30	ND	ND	ND	64	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	1
	3154	ND	ND	ND	26	ND	ND	ND	71	ND	ND	ND	1	ND	ND	ND	2	ND	ND	ND	0
	3171	ND	ND	ND	36	ND	ND	ND	62	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	0
	3496	ND	ND	ND	31	ND	ND	ND	65	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	0
	3498	ND	ND	ND	41	ND	ND	ND	53	ND	ND	ND	6	ND	ND	ND	0	ND	ND	ND	0
	3500	ND	ND	ND	36	ND	ND	ND	51	ND	ND	ND	11	ND	ND	ND	2	ND	ND	ND	0
	MEAN	16	29	20	31	78	64	76	64	5	4	3	4	1	3	2	1	0	0	0	0

ND = No data available.

TABLE A-8

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	PCV Percent				RBC x 10^6/mm^3				Hgb g/100 ml				WBC x 10^3/mm^3			
Days on Test:		182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
0	74-3250	50	50	43	ND	8.15	7.73	6.03	ND	15.8	15.8	13.0	ND	9.6	12.6	10.0	ND
	3252	49	46	ND	ND	8.23	7.75	ND	ND	15.7	15.3	ND	ND	9.6	11.0	ND	ND
	3253	53	53	48	ND	8.67	7.85	7.05	ND	17.0	16.1	15.2	ND	10.7	14.5	10.2	ND
	3254	54	49	37	ND	9.25	8.07	6.08	ND	17.5	15.8	12.0	ND	11.0	10.1	16.6	ND
	3255	44	46	45	41	7.95	7.49	7.36	6.40	14.8	14.2	14.5	13.3	8.0	7.3	6.7	5.4
	3257	ND	ND	43	ND	ND	ND	6.46	ND	ND	ND	13.9	ND	ND	ND	10.1	ND
	3260	ND	ND	ND	39	ND	ND	ND	6.64	ND	ND	ND	14.3	ND	ND	ND	12.7
	3267	ND	ND	ND	49	ND	ND	ND	7.59	ND	ND	ND	15.7	ND	ND	ND	7.3
	3271	ND	ND	ND	46	ND	ND	ND	7.71	ND	ND	ND	15.9	ND	ND	ND	6.3
	3272	ND	ND	ND	45	ND	ND	ND	6.66	ND	ND	ND	14.9	ND	ND	ND	12.3
	3279	ND	ND	ND	44	ND	ND	ND	6.81	ND	ND	ND	13.5	ND	ND	ND	21.2
	3280	ND	ND	ND	46	ND	ND	ND	7.07	ND	ND	ND	14.4	ND	ND	ND	12.4
	3288	ND	ND	ND	42	ND	ND	ND	6.57	ND	ND	ND	13.4	ND	ND	ND	12.3
	3291	ND	ND	ND	52	ND	ND	ND	7.92	ND	ND	ND	16.7	ND	ND	ND	7.7
	3304	ND	ND	ND	40	ND	ND	ND	5.94	ND	ND	ND	13.3	ND	ND	ND	9.9
	MEAN±SD	50±4	49±3	43±4	44±4	8.45±0.52	7.78±0.21	6.59±0.59	6.93±0.63	16.2±1.1	15.4±0.8	13.7±1.3	14.5±1.2	9.8±1.2	11.1±2.7	10.7±3.6	10.8±4.6
50	74-3398	46	48	45	ND	7.73	7.49	7.26	ND	15.4	15.4	15.2	ND	9.4	11.5	10.0	ND
	3399	53	49	51	36	8.86	7.79	8.07	5.02	17.3	15.6	17.2	12.1	10.3	8.2	8.3	8.2
	3400	ND	45	47	37	ND	6.98	6.83	4.65	ND	14.5	14.9	11.4	ND	9.2	10.2	8.4
	3401	51	49	39	ND	8.70	8.20	6.73	ND	16.6	16.2	15.1	ND	11.2	9.9	7.4	ND
	3402	48	51	44	47	8.56	8.42	7.59	7.36	16.6	16.3	15.0	14.6	10.8	13.0	8.5	12.6
	3404	51	ND	ND	ND	8.44	ND	ND	ND	16.7	ND	ND	ND	11.9	ND	ND	ND
	3406	ND	ND	ND	49	ND	ND	ND	7.53	ND	ND	ND	16.1	ND	ND	ND	10.8
	3408	ND	ND	ND	46	ND	ND	ND	7.81	ND	ND	ND	15.9	ND	ND	ND	7.5
	3414	ND	ND	ND	44	ND	ND	ND	6.74	ND	ND	ND	14.2	ND	ND	ND	15.6
	3415	ND	ND	ND	44	ND	ND	ND	6.66	ND	ND	ND	14.9	ND	ND	ND	8.9
	3416	ND	ND	ND	50	ND	ND	ND	7.76	ND	ND	ND	15.4	ND	ND	ND	13.5
	3418	ND	ND	ND	48	ND	ND	ND	7.83	ND	ND	ND	15.8	ND	ND	ND	13.0
	3423	ND	ND	ND	46	ND	ND	ND	7.05	ND	ND	ND	15.0	ND	ND	ND	7.2
	MEAN±SD	50±3	48±2	45±4	45±5	8.32±0.45	7.78±0.57	7.29±0.55	6.84±1.14	16.5±0.7	15.6±0.7	15.5±1.0*	14.5±1.6	10.7±0.9	10.4±1.9	8.9±1.2	10.6±2.9

ND = No data available.

* Significantly different from control mean by Dunnett's test, $p<0.05$.

TABLE A-8 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	Neutrophils				Lymphocytes				Monocytes				Eosinophils				Basophils			
Days on Test:		182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
0	74-3250	10	11	26	ND	85	83	68	ND	4	3	5	ND	1	3	1	ND	0	0	0	ND
	3252	11	9	ND	ND	88	86	ND	ND	1	3	ND	ND	0	2	ND	ND	0	0	ND	ND
	3253	23	18	22	ND	71	80	72	ND	1	1	4	ND	5	1	2	ND	0	0	0	ND
	3254	11	8	51	ND	81	86	40	ND	6	3	3	ND	2	2	6	ND	0	1	0	ND
	3255	13	12	13	45	83	85	80	48	4	2	4	7	0	1	3	0	0	0	0	0
	3257	ND	ND	24	ND	ND	ND	67	ND	ND	ND	3	ND	ND	ND	6	ND	ND	ND	0	ND
	3260	ND	ND	ND	38	ND	ND	ND	56	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	3267	ND	ND	ND	20	ND	ND	ND	72	ND	ND	ND	7	ND	ND	ND	1	ND	ND	ND	0
	3271	ND	ND	ND	44	ND	ND	ND	49	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	0
	3272	ND	ND	ND	35	ND	ND	ND	60	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	0
	3279	ND	ND	ND	59	ND	ND	ND	32	ND	ND	ND	7	ND	ND	ND	2	ND	ND	ND	0
	3280	ND	ND	ND	59	ND	ND	ND	35	ND	ND	ND	6	ND	ND	ND	0	ND	ND	ND	0
	3288	ND	ND	ND	46	ND	ND	ND	49	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	0
	3291	ND	ND	ND	52	ND	ND	ND	44	ND	ND	ND	4	ND	ND	ND	0	ND	ND	ND	0
	3304	ND	ND	ND	36	ND	ND	ND	53	ND	ND	ND	8	ND	ND	ND	3	ND	ND	ND	0
	MEAN	14	12	27	43	82	84	65	50	3	2	4	6	2	2	4	1	0	0	0	0
50	74-3398	31	27	24	ND	64	67	69	ND	3	2	3	ND	1	4	4	ND	1	0	0	ND
	3399	12	18	13	27	80	78	83	70	6	1	4	2	2	2	0	1	0	1	0	0
	3400	ND	10	8	34	ND	85	90	64	ND	3	1	1	ND	2	1	1	ND	0	0	0
	3401	14	14	19	ND	81	82	78	ND	4	2	2	ND	1	2	1	ND	0	0	0	ND
	3402	15	11	23	45	80	89	72	48	5	0	3	5	0	0	2	2	0	0	0	0
	3404	8	ND	ND	ND	88	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	0	ND	ND	ND
	3406	ND	ND	ND	26	ND	ND	ND	64	ND	ND	ND	9	ND	ND	ND	1	ND	ND	ND	0
	3408	ND	ND	ND	21	ND	ND	ND	74	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	0
	3414	ND	ND	ND	44	ND	ND	ND	50	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	0
	3415	ND	ND	ND	37	ND	ND	ND	56	ND	ND	ND	6	ND	ND	ND	1	ND	ND	ND	0
	3416	ND	ND	ND	27	ND	ND	ND	65	ND	ND	ND	7	ND	ND	ND	1	ND	ND	ND	0
	3418	ND	ND	ND	48	ND	ND	ND	49	ND	ND	ND	3	ND	ND	ND	0	ND	ND	ND	0
	3423	ND	ND	ND	31	ND	ND	ND	66	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	0
	MEAN	16	16	17	34	79	80	78	61	4	2	3	4	1	2	2	1	0	0	0	0

ND = No data available.

TABLE A-8 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	PCV Percent				RBC x 10^6/mm^3				Hgb g/100 ml				WBC x 10^3/mm^3			
Days on Test:		182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
100	74-3360	45	47	48	ND	7.52	7.83	7.28	ND	14.5	15.4	14.8	ND	14.5	11.4	17.8	ND
	3361	54	54	49	ND	8.70	8.46	7.04	ND	17.5	17.6	14.8	ND	9.9	10.5	13.3	ND
	3362	ND	47	48	44	ND	7.55	8.10	7.48	ND	14.6	15.7	14.7	ND	10.6	5.0	6.2
	3363	53	ND	ND	ND	8.75	ND	ND	ND	17.0	ND	ND	ND	12.0	ND	ND	ND
	3365	51	ND	ND	ND	8.13	ND	ND	ND	16.0	ND	ND	ND	12.5	ND	ND	ND
	3366	50	50	49	ND	7.93	7.90	7.02	ND	16.2	16.7	16.5	ND	10.1	12.1	13.4	ND
	3368	ND	47	48	ND	ND	7.46	7.11	ND	ND	14.7	15.1	ND	ND	20.1	10.2	ND
	3373	ND	ND	ND	36	ND	ND	ND	5.01	ND	ND	ND	12.1	ND	ND	ND	13.7
	3376	ND	ND	ND	44	ND	ND	ND	6.54	ND	ND	ND	13.9	ND	ND	ND	8.8
	3377	ND	ND	ND	44	ND	ND	ND	6.68	ND	ND	ND	14.1	ND	ND	ND	9.7
	3379	ND	ND	ND	47	ND	ND	ND	6.96	ND	ND	ND	14.6	ND	ND	ND	12.2
	3381	ND	ND	ND	52	ND	ND	ND	8.30	ND	ND	ND	16.2	ND	ND	ND	6.6
	3387	ND	ND	ND	47	ND	ND	ND	7.30	ND	ND	ND	15.0	ND	ND	ND	8.3
	3388	ND	ND	ND	43	ND	ND	ND	6.50	ND	ND	ND	13.6	ND	ND	ND	6.4
	3393	ND	ND	ND	42	ND	ND	ND	6.27	ND	ND	ND	14.2	ND	ND	ND	10.5
	3394	ND	ND	ND	45	ND	ND	ND	7.46	ND	ND	ND	14.1	ND	ND	ND	9.8
	MEAN±SD	50±3	49±3	48±1	44±4	8.21±0.52	7.84±0.39	7.31±0.45	6.85±0.89	16.2±1.1	15.8±1.3	15.4±0.7	14.3±1.0	11.8±1.9	12.9±4.1	11.9±4.7	9.2±2.5
200	74-3322	47	48	46	48	7.80	7.36	7.43	7.23	15.4	15.3	15.3	14.9	11.7	12.0	10.5	7.9
	3323	47	50	49	ND	8.10	8.10	7.65	ND	15.3	15.9	15.0	ND	12.0	10.6	8.6	ND
	3324	ND	47	ND	ND	ND	8.00	ND	ND	ND	16.1	ND	ND	ND	8.2	ND	ND
	3325	47	50	ND	ND	7.22	7.23	ND	ND	15.1	16.1	ND	ND	10.9	8.6	ND	ND
	3326	49	52	41	ND	8.10	7.68	5.81	ND	16.2	16.1	13.1	ND	11.3	9.7	17.8	ND
	3327	ND	ND	ND	50	ND	ND	ND	7.81	ND	ND	ND	15.7	ND	ND	ND	6.4
	3328	56	ND	39	ND	8.85	ND	5.90	ND	17.6	ND	12.7	ND	11.1	ND	11.5	ND
	3329	ND	ND	43	ND	ND	ND	6.89	ND	ND	ND	14.4	ND	ND	ND	10.1	ND
	3331	ND	ND	ND	42	ND	ND	ND	6.39	ND	ND	ND	13.9	ND	ND	ND	7.1
	3334	ND	ND	ND	50	ND	ND	ND	7.68	ND	ND	ND	16.1	ND	ND	ND	6.1
	3340	ND	ND	ND	49	ND	ND	ND	8.17	ND	ND	ND	16.1	ND	ND	ND	6.3
	3346	ND	ND	ND	43	ND	ND	ND	6.73	ND	ND	ND	13.6	ND	ND	ND	9.7
	3348	ND	ND	ND	46	ND	ND	ND	6.80	ND	ND	ND	14.8	ND	ND	ND	12.2
	3355	ND	ND	ND	46	ND	ND	ND	6.81	ND	ND	ND	14.5	ND	ND	ND	6.6
	3356	ND	ND	ND	41	ND	ND	ND	5.85	ND	ND	ND	12.4	ND	ND	ND	6.0
	3580	ND	ND	ND	48	ND	ND	ND	7.76	ND	ND	ND	16.1	ND	ND	ND	4.8
	MEAN±SD	49±4	49±2	44±4	46±3	8.01±0.59	7.67±0.38	6.74±0.85	7.12±0.73	15.9±1.0	15.9±0.3	14.1±1.2	14.8±1.2	11.4±0.4	9.8±1.5	11.7±3.6	7.3±2.2

ND = no data available.

TABLE A-8 (cont'd)

INDIVIDUAL AND MEAN HEMATOLOGIC VALUES FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	Neutrophils				Lymphocytes				Monocytes				Eosinophils				Basophils			
Days on Test:		182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702	182	365	540	702
100	74-3360	24	16	26	ND	74	79	67	ND	2	4	5	ND	0	1	2	ND	0	0	0	ND
	3361	8	11	13	ND	87	87	82	ND	4	2	3	ND	1	0	2	ND	0	0	0	ND
	3362	ND	23	15	38	ND	69	83	52	ND	4	2	8	ND	4	0	2	ND	0	0	0
	3363	23	ND	ND	ND	68	ND	ND	ND	4	ND	ND	ND	5	ND	ND	ND	0	ND	ND	ND
	3365	14	ND	ND	ND	80	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	0	ND	ND	ND
	3366	13	12	20	ND	85	85	76	ND	2	2	2	ND	0	1	2	ND	0	0	0	ND
	3368	ND	35	23	ND	ND	62	73	ND	ND	0	2	ND	ND	3	1	ND	ND	0	1	ND
	3373	ND	ND	ND	41	ND	ND	ND	49	ND	ND	ND	10	ND	ND	ND	0	ND	ND	ND	0
	3376	ND	ND	ND	16	ND	ND	ND	81	ND	ND	ND	2	ND	ND	ND	0	ND	ND	ND	0
	3377	ND	ND	ND	34	ND	ND	ND	64	ND	ND	ND	3	ND	ND	ND	0	ND	ND	ND	0
	3379	ND	ND	ND	48	ND	ND	ND	49	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	0
	3381	ND	ND	ND	25	ND	ND	ND	68	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	0
	3387	ND	ND	ND	13	ND	ND	ND	82	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	0
	3388	ND	ND	ND	20	ND	ND	ND	76	ND	ND	ND	4	ND	ND	ND	0	ND	ND	ND	0
	3393	ND	ND	ND	23	ND	ND	ND	66	ND	ND	ND	9	ND	ND	ND	2	ND	ND	ND	0
	3394	ND	ND	ND	43	ND	ND	ND	47	ND	ND	ND	10	ND	ND	ND	0	ND	ND	ND	0
	MEAN	16	19	19	30	79	76	76	63	3	3	3	6	2	2	1	1	0	0	0	0
200	74-3322	7	9	13	24	88	87	82	69	4	2	4	5	1	2	1	2	0	0	0	0
	3323	17	9	9	ND	76	88	86	ND	2	1	4	ND	2	2	1	ND	3	0	0	ND
	3324	ND	12	ND	ND	ND	86	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	0	ND	ND
	3325	16	14	ND	ND	83	84	ND	ND	1	1	ND	ND	0	1	ND	ND	0	0	ND	ND
	3326	16	18	30	ND	80	77	65	ND	3	4	6	ND	0	1	0	ND	1	0	0	ND
	3327	ND	ND	ND	24	ND	ND	ND	70	ND	ND	ND	4	ND	ND	ND	2	ND	ND	ND	0
	3328	4	ND	34	ND	92	ND	59	ND	1	ND	5	ND	3	ND	1	ND	0	ND	0	ND
	3329	ND	ND	26	ND	ND	ND	68	ND	ND	ND	6	ND	ND	ND	0	ND	ND	ND	0	ND
	3331	ND	ND	ND	45	ND	ND	ND	50	ND	ND	ND	5	ND	ND	ND	0	ND	ND	ND	0
	3334	ND	ND	ND	24	ND	ND	ND	71	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	0
	3340	ND	ND	ND	37	ND	ND	ND	58	ND	ND	ND	5	ND	ND	ND	0	ND	ND	ND	0
	3346	ND	ND	ND	29	ND	ND	ND	65	ND	ND	ND	6	ND	ND	ND	0	ND	ND	ND	0
	3348	ND	ND	ND	29	ND	ND	ND	65	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	0
	3355	ND	ND	ND	33	ND	ND	ND	62	ND	ND	ND	5	ND	ND	ND	0	ND	ND	ND	0
	3356	ND	ND	ND	25	ND	ND	ND	67	ND	ND	ND	7	ND	ND	ND	1	ND	ND	ND	0
	3580	ND	ND	ND	21	ND	ND	ND	75	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	0
	MEAN	12	12	22	29	84	84	72	65	2	2	5	5	1	2	1	1	1	0	0	0

ND = No data available.

TABLE A-9

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Uro-bilinogen
MALES, DAY 181									
0	74-3067	1.062	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3069	1.059	6.5	Neg.	+3	Neg.	Neg.	Small	ND
	3070	1.063	7.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3072	1.035	7.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3073	1.046	5.5	Neg.	+2	Neg.	Neg.	Small	ND
	MEAN±SD	1.053±0.012	5.5-7.0	Neg.	+2 to +3	Neg.	Neg.	Neg.-Small	ND
50	74-3214	1.036	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3216	1.044	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3218	>1.066	5.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3219	1.054	6.0	Neg.	+2	Neg.	Neg.	Small	ND
	3221	1.033	7.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.047±0.014	5.5-7.0	Neg.	+2 to +3	Neg.	Neg.	Neg.-Small	ND
100	74-3175	1.044	6.0	Neg.	+2	Trace	Neg.	Neg.	ND
	3177	1.059	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3179	1.044	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3180	1.043	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3183	>1.066	6.5	Neg.	+4	Small	Neg.	Neg.	ND
	MEAN±SD	1.051±0.011	6.0-6.5	Neg.	+2 to +4	Neg.-Small	Neg.	Neg.	ND
200	74-3139	>1.066	6.5	Neg.	+3	Small	Neg.	Neg.	ND
	3140	1.064	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3141	1.056	5.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3142	1.065	5.5	Neg.	+3	Small	Neg.	Neg.	ND
	3144	1.055	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.061±0.005	5.5-6.5	Neg.	+2 to +3	Neg.-Small	Neg.	Neg.	ND
MALES, DAY 365									
0	74-3066	1.038	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3067	1.047	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3068	1.047	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3070	1.049	7.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3071	1.044	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.045±0.004	6.0-7.0	Neg.	+2 to +3	Neg.	Neg.	Neg.	ND
50	74-3212	1.031	7.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3213	1.044	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3215	1.033	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3217	1.026	6.5	Neg.	+3	Neg.	Neg.	Small	ND
	3218	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.034±0.007	6.0-7.0	Neg.	+3	Neg.	Neg.	Small	ND
100	74-3175	1.027	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3176	1.035	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3182	1.054	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3183	1.039	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3184	1.028	7.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.037±0.011	6.5-7.5	Neg.	+3	Neg.	Neg.	Neg.	ND
200	74-3137	1.033	7.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3139	1.034	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3140	1.044	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3141	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3143	1.033	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.036±0.005	6.0-7.0	Neg.	+3	Neg.	Neg.	Neg.	ND

ND = Not determined.

SL 082140

TABLE A-9 (cont'd)

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Urobilinogen
MALES, DAY 540									
0	74-3066	1.043	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3067	1.044	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3068	1.027	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3070	1.016	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3071	1.035	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.033±0.012	6.0-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
50	74-3212	1.037	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3213	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3215	1.032	6.0	Neg.	+3	Neg.	Neg.	Neg	0.1
	3217	1.043	6.0	Neg.	+3	Neg.	Neg.	+2	0.1
	3221	1.040	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.038±0.004	6.0	Neg.	+3	Neg.	Neg.	Neg. to +2	0.1
100	74-3175	1.031	7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3176	1.022	5.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3182	1.038	5.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3183	1.015	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3184	1.053	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.032±0.015	5.0-7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	74-3137	1.039	6.5	Ne		Neg.	Neg.	Neg.	0.1
	3139	1.025	6.0	Ne		Neg.	Neg.	Neg	0.1
	3140	1.026	6.0	Neg.		Neg.	Neg.	Neg.	0.1
	3141	1.043	7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3143	1.019	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.030±0.010	6.0-7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1

TABLE A-9 (cont'd)

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Urobilinogen
MALES, DAY 701									
0	74-3066	1.044	6.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3069	1.021	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3080	1.029	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3085	1.018	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3086	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3093	1.024	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3095	1.020	6.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3100	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3102	1.022	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3104	1.027	5.5	Neg.	+3	Neg.	Neg.	Neg.	1.0
	MEAN±SD	1.026±0.007	5.5-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1-1.0
50	74-3212	1.020	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3213	1.018	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3217	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3227	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3232	1.019	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3236	1.018	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3237	1.030	7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3247	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3540	1.019	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.024±0.007	5.5-7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
100	74-3175	1.055	6.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3186	1.026	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3187	1.022	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3191	1.025	5.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3195	1.034	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3199	1.018	7.0	Neg	+3	Neg.	Neg.	Neg.	0.1
	3202	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3208	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3209	1.049	6.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3512	1.030	5.5	Neg.	+3	Neg.	Neg.	Neg	0.1
	MEAN±SD	1.032±0.012	5.0-7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1-1.0
200	74-3137	1.026	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3140	1.020	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3141	1.047	6.5	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3147	1.020	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3148	1.036	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3154	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3170	1.024	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3171	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	1.0
	3498	ND	ND	ND	ND	ND	ND	ND	ND
	3500	1.030	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.031±0.009	6.0-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1-1.0

ND = not determined.

TABLE A-10

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VNYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Uro-bilinogen
	FEMALES, DAY 182								
0	74-3250	1.036	6.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	3252	1.024	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3253	1.017	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3254	1.015	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3255	1.032	5.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.025±0.009	5.5-6.5	Neg.	+2 to +3	Neg.	Neg.	Neg.	ND
50	74-3398	1.046	6.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	3399	1.041	6.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	3401	1.029	5.5	Neg.	+3	Neg.	Neg.	Trace	ND
	3402	1.042	6.5	Neg.	+1	Neg.	Neg.	Neg.	ND
	3404	1.055	5.5	Neg.	+1	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.043±0.009	5.5-6.5	Neg.	+1 to +3	Neg.	Neg.	Neg.-trace	ND
100	74-3360	1.032	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3361	1.023	6.5	Neg.	+1	Neg.	Neg.	Neg.	ND
	3363	1.064	6.0	Neg.	+3	Trace	Neg.	Neg.	ND
	3365	>1.066	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3366	1.026	7.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.042±0.021	6.0-7.5	Neg.	+1 to +3	Neg.-trace	Neg.	Neg.	ND
200	74-3322	1.041	6.0	Neg.	+1	Neg.	Neg.	Neg.	ND
	3323	1.043	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3325	1.039	5.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3326	1.032	5.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3328	>1.066	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.044±0.013	5.5-6.5	Neg.	+1 to +3	Neg.	Neg.	Neg.	ND
	FEMALES, DAY 365								
0	74-3250	1.024	6.5	Neg.	+2	Neg.	Neg.	Neg.	ND
	3252	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3253	1.026	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3254	1.021	6.5	Neg.	+3	Neg.	Neg.	Neg.	ND
	3255	1.047	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.029±0.010	6.0-6.5	Neg.	+2 to +3	Neg.	Neg.	Neg.	ND
50	74-3398	1.053	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3399	1.036	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3400	1.043	6.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	3401	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3402	1.028	6.0	Neg.	Trace	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.037±0.011	6.0	Neg.	trace to +3	Neg.	Neg.	Neg.	ND
100	74-3360	1.033	6.0	Neg.	+2	Neg.	Neg.	Neg.	ND
	3361	1.028	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3362	1.029	6.5	Neg.	+1	Neg.	Neg.	Neg.	ND
	3366	1.034	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3368	1.038	5.5	Neg.	+1	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.032±0.004	5.5-6.5	Neg.	+1 to +3	Neg.	Neg.	Neg.	ND
200	74-3322	1.047	6.0	Neg.	+1	Neg.	Neg.	Neg.	ND
	3323	1.036	6.0	Neg.	Trace	Neg.	Neg.	Neg.	ND
	3324	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3325	1.039	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	3326	1.044	6.0	Neg.	+3	Neg.	Neg.	Neg.	ND
	MEAN±SD	1.040±0.005	6.0	Neg.	trace to +3	Neg.	Neg.	Neg.	ND

ND = Not determined.

TABLE A-10 (cont'd)

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Uro-bilinogen
	FEMALES, DAY 540								
0	74-3250	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3253	1.039	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3254	1.034	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3255	1.048	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3257	1.030	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.037±0.007	6.0-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
50	74-3398	1.045	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3399	1 042	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3400	1.016	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3401	1.006	5.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3402	1.008	5.0	Neg.	+1	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.023±0.019	5.0-6.0	Neg.	+1 to +3	Neg.	Neg.	Neg.	0.1
100	74-3360	1.034	5.0	Neg.	+2	Neg.	Neg.	Neg.	0.1
	3361	1.038	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3362	1.012	5.0	Neg.	+1	Neg.	Neg.	Neg.	0.1
	3366	1.041	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3368	1.031	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.031±0.011	5.0-6.0	Neg.	+1 to +3	Neg.	Neg.	Neg.	0.1
200	74-3322	1.033	6.0	Neg.	+1	Neg.	Neg.	Neg.	1.0
	3323	1.038	6.0	Neg.	+2	Neg.	Neg.	Neg.	0.1
	3326	1.050	5.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3328	1.025	5.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3329	1.040	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.037±0.010	5.0-6.0	Neg.	+1 to +3	Neg.	Neg.	Neg.	0.1-1.0

TABLE A-10 (cont'd)

INDIVIDUAL AND MEAN RESULTS OF URINALYSIS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose Level ppm	Animal Number	Specific Gravity	pH	Sugar	Albumin	Ketones	Bilirubin	Occult Blood	Uro-bilinogen
	FEMALES, DAY 702								
0	74-3255	1.026	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3260	1.041	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3267	1.029	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3271	1.022	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3272	1.034	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3279	1.033	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3280	1.018	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3288	1.027	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3291	1.018	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3304	1.027	7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.028±0.007	6.0-7.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
50	74-3399	1.061	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3400	1.044	6.0	Neg.	+2	Neg.	Neg.	Neg.	0.1
	3402	1.033	6.0	Neg.	+2	Neg.	Neg.	Neg.	0.1
	3406	1.041	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3408	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3414	1.024	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3415	1.032	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3416	1.026	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3418	1.027	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3423	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.036±0.011	6.0	Neg.	+2 to +3	Neg.	Neg.	Neg.	0.1
100	74-3362	1.039	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3373	1.038	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3376	1.048	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3377	1.047	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3379	1.023	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3381	1.032	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3387	1.033	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3388	1.034	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3393	1.042	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3394	1.049	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.039±0.008*	5.5-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
200	74-3322	1.025	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3327	1.026	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3331	1.017	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3334	1.040	5.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3340	1.034	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3346	1.025	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3348	1.029	6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3355	1.057	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3356	1.035	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	3580	1.040	6.0	Neg.	+3	Neg.	Neg.	Neg.	0.1
	MEAN±SD	1.033±0.011	5.5-6.5	Neg.	+3	Neg.	Neg.	Neg.	0.1

*Statistically significantly different from control mean using Dunnett's test, $p<0.05$.

TABLE A-11

INDIVIDUAL AND MEAN CLINICAL CHEMISTRY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 181 AND 184 DAYS

Dose Level (ppm)	Animal Number	Males BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml	Animal Number	Females BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml
DAY 181										
0	74-3076	20	58	362	ND	74-3270	16	61	228	ND
	3077	21	70	462	ND	3271	24	59	352	ND
	3079	18	65	376	ND	3272	24	60	260	ND
	3081	20	83	250	ND	3273	20	48	346	ND
	3083	21	66	392	ND	3274	16	56	216	ND
	MEAN±SD	20±1	68±9	368±76	ND	MEAN±SD	20±4	57±5	280±65	ND
50	74-3222	25	63	386	ND	74-3410	18	62	388	ND
	3223	23	77	490	ND	3411	21	52	310	ND
	3224	20	62	268	ND	3412	23	65	324	ND
	3227	21	62	408	ND	3413	18	55	382	ND
	3228	24	67	506	ND	3414	17	72	360	ND
	MEAN±SD	23±2	66±6	412±95	ND	MEAN±SD	20±2	61±8	353±35	ND
100	74-3174	20	64	414	ND	74-3370	26	63	216	ND
	3184	20	56	232	ND	3371	21	53	182	ND
	3185	20	66	392	ND	3372	24	45	236	ND
	3186	18	80	368	ND	3373	19	60	198	ND
	3187	19	50	352	ND	3374	18	56	290	ND
	MEAN±SD	19±1	63±11	352±71	ND	MEAN±SD	22±3	55±7	224±42	ND
200	74-3147	20	74	716	ND	74-3340	19	51	378	ND
	3148	26	68	526	ND	3341	20	50	346	ND
	3150	22	67	390	ND	3342	20	52	488	ND
	3151	25	60	252	ND	3344	22	51	346	ND
	3152	26	68	400	ND	3345	21	56	366	ND
	MEAN±SD	24±2*	63±10	457±174	ND	MEAN±SD	20±1	52±2	385±59*	ND
DAY 184										
0	74-3472	14	ND	113	ND	74-3552	22	ND	83	ND
	3474	13	ND	109	ND	3554	17	ND	92	ND
	3476	14	ND	114	ND	3556	18	ND	86	ND
	3478	16	ND	152	ND	3558	14	ND	90	ND
	3480	16	ND	184	ND	3560	20	ND	124	ND
	MEAN±SD	15±2	ND	134±33	ND	MEAN±SD	18±3	ND	95±17	ND
50	74-3532	18	ND	137	ND	74-3612	22	ND	71	ND
	3534	20	ND	140	ND	3614	18	ND	96	ND
	3536	14	ND	128	ND	3616	16	ND	95	ND
	3538	17	ND	86	ND	3618	20	ND	63	ND
	3540	18	ND	143	ND	3620	16	ND	83	ND
	MEAN±SD	17±2*	ND	127±24	ND	MEAN±SD	18±3	ND	82±15	ND
100	74-3512	15	ND	127	ND	74-3592	18	ND	70	ND
	3514	16	ND	113	ND	3594	16	ND	78	ND
	3516	14	ND	160	ND	3596	18	ND	88	ND
	3518	16	ND	153	ND	3598	22	ND	104	ND
	3520	16	ND	121	ND	3600	18	ND	107	ND
	MEAN±SD	16±1	ND	135±21	ND	MEAN±SD	18±2	ND	89±16	ND
200	74-3492	18	ND	123	ND	74-3572	18	ND	97	ND
	3494	18	ND	127	ND	3574	17	ND	74	ND
	3496	18	ND	123	ND	3576	20	ND	133	ND
	3498	17	ND	177	ND	3578	28	ND	98	ND
	3500	17	ND	115	ND	3580	20	ND	66	ND
	MEAN±SD	18±1*	ND	133±25	ND	MEAN±SD	20±4	ND	94±26	ND

ND = not determined.

*Statistically significantly different from control mean using Dunnett's test, $p<0.05$.

TABLE A-11 (cont'd)

INDIVIDUAL AND MEAN CLINICAL CHEMISTRY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 366 AND 541 DAYS

Dose Level (ppm)	Males					Females				
	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml
DAY 366										
0	74-3074	16	57	130	98	74-3257	19	44	120	78
	3075	19	56	95	90	3258	15	48	70	116
	3076	17	59	138	87	3259	13	45	70	106
	3077	19	50	145	98	3261	18	55	40	104
	3078	16	48	125	98	3263	15	50	70	100
	MEAN±SD	17±2	54±5	127±19	94±5	MEAN±SD	16±2	48±4	74±29	101±14
50	74-3223	35	51	155	94	74-3404	17	51	165	99
	3226	21	51	103	92	3405	23	51	90	93
	3227	17	63	148	104	3406	23	50	95	74
	3228	19	68	148	106	3407	15	51	120	73
	3229	21	65	138	106	3408	18	48	77	86
	MEAN±SD	23±7	60±8	138±21	100±7	MEAN±SD	19±4	50±1	109±35	85±11
100	74-3186	14	69	140	102	74-3370	17	42	73	82
	3187	16	57	150	98	3371	21	83	123	72
	3189	38	59	110	80	3373	17	48	105	92
	3190	30	57	100	94	3375	14	38	100	92
	3191	18	53	103	90	3376	17	44	95	90
	MEAN±SD	23±10	59±6	121±23	93±8	MEAN±SD	17±2	51±18	99±18	86±9
200	74-3146	24	57	183	90	74-3330	19	52	75	100
	3147	15	51	135	88	3331	28	51	160	80
	3148	20	56	185	89	3332	16	53	125	84
	3149	16	60	108	79	3333	16	51	130	100
	3150	16	54	118	86	3334	17	44	105	90
	MEAN±SD	18±4	56±3	146±36	86±4	MEAN±SD	19±5	50±4	119±32	91±9
DAY 541										
0	74-3120	18	52	102	ND	74-3304	12	58	ND	ND
	3121	16	51	65	ND	3305	15	55	78	ND
	3122	24	67	140	ND	3306	13	63	111	ND
	3123	15	42	115	ND	3307	15	42	108	ND
	3124	14	65	100	ND	3309	16	65	120	ND
	MEAN±SD	17±4	55±10	104±27	ND	MEAN±SD	14±2	57±9	104±18	ND
50	74-3234	44	55	82	ND	74-3426	20	63	136	ND
	3236	21	67	79	ND	3427	15	52	87	ND
	3237	15	66	126	ND	3428	19	42	72	ND
	3238	13	42	107	ND	3429	13	55	81	ND
	3239	34	40	84	ND	3430	14	55	110	ND
	MEAN±SD	25±13	54±13	96±20	ND	MEAN±SD	16±3	53±8	97±26	ND
100	74-3194	35	33	82	ND	74-3388	16	35	84	ND
	3195	12	56	131	ND	3389	13	40	87	ND
	3198	20	43	85	ND	3390	19	54	82	ND
	3199	19	57	112	ND	3391	16	60	121	ND
	3200	16	43	142	ND	3392	15	50	116	ND
	MEAN±SD	20±9	46±10	110±27	ND	MEAN±SD	16±2	48±10	98±19	ND
200	74-3168	84	28	106	ND	74-3346	15	72	119	ND
	3170	16	46	104	ND	3347	24	47	67	ND
	3171	12	64	146	ND	3348	13	45	80	ND
	3172	24	55	133	ND	3349	20	38	61	ND
	3173	37	58	95	ND	3350	15	64	144	ND
	MEAN±SD	35±29	50±14	117±22	ND	MEAN±SD	17±4	53±14	94±36	ND

ND = not determined.

TABLE A-11 (cont'd)

INDIVIDUAL AND MEAN CLINICAL CHEMISTRY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 707 DAYS

Dose Level (ppm)	Males					Females				
	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml
DAY 707										
0	74-3066	13	34	65	ND	74-3255	15	64	52	ND
	3067	33	32	86	ND	3260	19	60	70	ND
	3069	28	44	102	ND	3261	16	36	64	ND
	3079	15	47	64	ND	3262	19	26	47	ND
	3080	14	40	68	ND	3267	15	32	41	ND
	3085	43	32	1225**	ND	3271	12	35	56	ND
	3086	30	35	105	ND	3272	22	16	76	ND
	3093	18	42	142	ND	3273	14	24	39	ND
	3095	44	61	60	ND	3274	14	35	48	ND
	3100	18	47	70	ND	3279	24	23	48	ND
	MEAN±SD	26±12	41±9	85±27	ND	MEAN±SD	17±4	35±16	54±12	ND
50	74-3212	32	29	77	ND	74-3399	19	31	51	ND
	3213	153	42	137	ND	3400	20	35	73	ND
	3217	29	45	99	ND	3402	16	32	76	ND
	3227	23	47	99	ND	3406	30	31	38	ND
	3232	29	42	97	ND	3407	21	27	36	ND
	3236	79	32	68	ND	3408	15	53	51	ND
	3237	22	44	87	ND	3409	13	55	100	ND
	3247	22	31	70	ND	3414	25	60	69	ND
	3540	175	32	92	ND	3415	17	45	73	ND
		ND	ND	ND	ND	3416	23	34	56	ND
	MEAN±SD	63±60*	40±8	92±21	ND	MEAN±SD	20±5	40±12	62±20	ND
100	74-3175	34	4	94	ND	74-3362	12	46	87	ND
	3186	36	36	71	ND	3364	11	34	57	ND
	3187	32	43	90	ND	3365	14	46	73	ND
	3191	72	24	64	ND	3369	20	48	70	ND
	3195	18	42	110	ND	3384	19	32	110	ND
	3199	50	45	103	ND	3376	11	21	48	ND
	3202	22	38	86	ND	3377	19	34	60	ND
	3208	38	45	91	ND	3378	27	32	76	ND
	3209	17	40	101	ND	3379	30	37	66	ND
	3512	20	31	58	ND	3382	27	36	65	ND
	MEAN±SD	34±17	38±7	87±17	ND	MEAN±SD	19±7	37±8	71±17	ND
200	74-3137	18	61	78	ND	74-3322	11	47	84	ND
	3140	29	45	72	ND	3327	16	48	59	ND
	3141	14	48	73	ND	3331	24	35	85	ND
	3147	36	37	88	ND	3334	12	41	67	ND
	3148	15	43	81	ND	3340	19	35	67	ND
	3154	25	50	132	ND	3344	15	44	86	ND
	3170	23	39	99	ND	3345	17	27	57	ND
	3171	15	48	121	ND	3346	18	48	79	ND
	3496	26	64	116	ND	3348	16	31	49	ND
	3498	31	37	123	ND	3349	22	28	48	ND
	MEAN±SD	23±8	47±9	98±23	ND	MEAN±SD	17±4	38±8	68±15	ND

ND = not determined.

*Statistically significantly different from control mean using Dunnett's test, $p<0.05$.

**Value omitted from statistical analysis.

SL 082148

TABLE A-11 (cont'd)

INDIVIDUAL AND MEAN CLINICAL CHEMISTRY OF MALE AND FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730(F) and 731(M) DAYS

Dose Level (ppm)	Males					Females				
	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml	Animal Number	BUN mg/100 ml	SGPT mU/ml	AP mU/ml	Glucose mg/100 ml
0	74-3066	16	44	50	84	74-3255	21	58	41	57
	3067	56	36	83	105	3261	18	44	55	72
	3069	37	44	66	70	3267	17	36	32	50
	3079	21	55	55	65	3272	24	18	46	74
	3080	16	55	49	72	3273	17	37	29	42
	3085	54	33	1425**	90	3274	22	23	33	74
	3086	32	34	79	75	3279	21	46	94	60
	3093	23	40	122	95	3283	17	46	72	100
	3095	34	57	34	25	3291	07	56	83	77
	3100	24	51	40	31	3294	20	31	150	87
	MEAN±SD	31±14	45±9	64±27	71±26	MEAN±SD	18±5	40±13	64±38	69±17
50	74-3212	42	33	60	73	74-3402	17	36	76	70
	3227	22	42	46	91	3406	32	35	31	100
	3232	36	46	56	85	3407	23	42	26	40
	3237	27	45	56	58	3408	15	60	42	59
	3247	27	56	44	80	3409	17	36	45	73
	MEAN±SD	31±8	44±8	52±7	77±13	3414	11	52	48	70
						3415	30	42	53	100
						3418	23	58	19	73
						3422	19	39	51	79
						3423	17	49	28	80
						MEAN±SD	20±7	45±9	42±17	74±18
100	74-3187	49	39	98	83	74-3362	15	46	60	83
	3195	19	45	71	84	3364	14	41	38	73
	3199	93	30	102	75	3365	18	45	53	74
	3202	24	35	57	74	3369	24	35	46	72
	3208	51	46	61	75	3376	18	32	79	91
	3209	18	51	59	75	3377	21	42	56	100
	3512	23	39	33	83	3379	37	44	48	50
	3530	49	44	64	75	3382	39	40	45	81
	MEAN±SD	41±26	41±7	68±22	78±4	3384	17	34	71	62
						3387	18	158	45	91
						MEAN±SD	22±9	52±38	54±13	78±15
						74-3322	15	42	70	97
200	74-3140	34	50	51	50	3327	16	68	43	83
	3141	18	49	58	82	3331	36	68	86	83
	3147	53	45	75	80	3334	15	52	48	51
	3148	19	44	59	78	3340	19	34	35	82
	3154	21	54	75	74	3344	17	39	62	15
	3170	30	49	68	51	3345	19	29	38	125
	3171	17	56	74	64	3346	26	60	51	82
	3496	18	51	55	80	3348	17	31	34	88
	3500	32	36	47	35	3349	25	33	40	93
	MEAN±SD	27±12	48±6	62±11	66±17	MEAN±SD	20±7	46±15	51±17	80±29

**Value omitted from statistical analysis.

TABLE A-12

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)									
			Brain		Heart		Liver		Kidneys		Testes	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g	g	g/100g
0	74-3066	491	2.10	0.43	2.13	0.43	17.33	3.53	4.31	0.88	4.59	0.94
	74-3067	408	2.10	0.52	2.33	0.57	20.39	4.99	11.91	2.92	3.46	0.85
	74-3069	522	1.96	0.38	2.01	0.38	20.85	3.99	7.22	1.38	4.10	0.79
	74-3079	497	2.05	0.41	1.71	0.34	34.30	6.90	5.09	1.02	4.58	0.92
	74-3080	535	2.09	0.39	1.88	0.35	17.63	3.30	6.33	1.18	3.55	0.66
	74-3085	591	1.87	0.32	2.32	0.39	25.86	4.38	7.13	1.21	4.15	0.70
	74-3086	610	1.97	0.32	1.79	0.29	20.53	3.36	5.57	0.91	3.67	0.60
	74-3093	585	1.94	0.33	2.02	0.34	17.98	3.07	3.74	0.64	3.39	0.58
	74-3095	458	1.95	0.42	2.03	0.44	17.94	3.92	5.29	1.15	3.68	0.80
	74-3100	546	1.99	0.36	1.91	0.35	17.87	3.28	5.17	0.95	2.71	0.50
	74-3101	478	1.97	0.41	1.61	0.34	15.80	3.30	5.32	1.11	3.72	0.78
	74-3110	569	1.99	0.35	2.00	0.35	20.29	3.57	6.48	1.14	4.45	0.78
	74-3120	607	2.03	0.33	2.09	0.34	17.96	2.96	5.48	0.90	4.03	0.66
	74-3124	421	1.95	0.46	1.99	0.47	18.05	4.29	4.84	1.15	2.13	0.51
	74-3130	514	2.16	0.42	1.74	0.34	16.27	3.17	3.97	0.77	4.65	0.91
	74-3132	581	2.05	0.35	1.74	0.30	19.91	3.43	6.79	1.17	3.63	0.62
	74-3472	495	1.95	0.39	1.90	0.38	16.68	3.37	4.91	0.99	4.21	0.85
	74-3474	402	1.93	0.48	1.85	0.46	14.99	3.73	9.91	2.46	2.60	0.65
	74-3846	513	2.00	0.39	2.07	0.40	16.98	3.31	4.65	0.91	4.33	0.84
	MEAN	517	2.00	0.39	1.95	0.38	19.35	3.78	6.00	1.20	3.77	0.73
	±S.D.	±65	±0.07	±0.05	±0.19	±0.07	±4.36	±0.91	±2.02	±0.56	±0.70	±0.14
50	74-3212	611	2.04	0.33	1.74	0.29	19.79	3.24	6.86	1.12	4.12	0.67
	74-3227	313	2.12	0.68	1.99	0.64	20.75	6.63	6.18	1.98	4.66	1.49
	74-3232	503	2.05	0.41	1.85	0.37	15.63	3.10	5.62	1.12	4.15	0.82
	74-3237	506	2.04	0.40	1.62	0.32	15.04	2.97	4.45	0.88	4.41	0.87
	74-3247	512	2.09	0.41	2.09	0.41	17.09	3.34	5.82	1.14	2.18	0.43
	MEAN	489	2.07	0.45	1.86	0.40	17.66	3.86	5.79	1.25	3.90	0.86
	±S.D.	±108	±0.04	±0.13	±0.19	±0.14	±2.52	±1.56	±0.89	±0.42	±0.99	±0.39

TABLE A-12 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR MALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 731 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)									
			Brain		Heart		Liver		Kidneys		Testes	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g	g	g/100g
100	74-3187	396	1.98	0.50	1.75	0.44	14.86	3.75	11.54	2.91	2.04	0.52
	74-3195	629	1.96	0.31	1.99	0.32	18.41	2.93	4.73	0.75	4.10	0.65
	74-3199	319	1.84	0.58	1.99	0.62	14.10	4.42	6.61	2.07	2.82	0.88
	74-3202	662	2.10	0.32	2.25	0.34	20.37	3.08	6.37	0.96	4.69	0.71
	74-3208	480	2.04	0.42	2.05	0.43	18.46	3.84	6.41	1.33	4.50	0.94
	74-3209	622	2.13	0.34	2.06	0.33	16.57	2.66	4.46	0.72	4.33	0.70
	74-3512	548	2.00	0.37	1.66	0.30	16.96	3.10	5.54	1.01	3.89	0.71
	74-3530	473	1.98	0.42	2.02	0.43	15.95	3.37	6.58	1.39	4.05	0.86
	MEAN	516	2.00	0.41	1.97	0.40	16.96	3.39	6.53	1.39	3.80	0.74
	±S.D.	±121	±0.09	±0.09	±0.19	±0.11	±2.06	±0.58	±2.19	±0.75	±0.91	±0.14
200	74-3140	476	2.03	0.43	1.70	0.36	15.83	3.33	6.19	1.30	3.69	0.78
	74-3141	532	2.09	0.39	2.13	0.40	15.64	2.94	4.55	0.85	4.86	0.91
	74-3147	432	1.89	0.44	1.86	0.43	17.74	4.10	7.21	1.67	3.95	0.91
	74-3148	684	1.97	0.29	2.12	0.31	19.41	2.84	4.01	0.59	4.94	0.72
	74-3154	546	1.97	0.36	1.73	0.32	16.80	3.08	4.90	0.90	4.56	0.84
	74-3170	566	2.02	0.36	2.06	0.36	17.70	3.13	5.93	1.05	4.65	0.82
	74-3171	409	1.97	0.48	1.77	0.43	15.57	3.81	4.20	1.03	3.29	0.80
	74-3496	590	1.94	0.33	2.01	0.34	18.78	3.19	5.27	0.89	4.42	0.75
	74-3500	493	1.95	0.40	2.38	0.48	20.27	4.11	6.69	1.36	3.21	0.65
	MEAN	525	1.98	0.39	1.97	0.38	17.53	3.39	5.44	1.07	4.17	0.80
	±S.D.	±85	±0.06	±0.06	±0.23	±0.06	±1.72	±0.49	±1.13	±0.32	±0.66	±0.09

TABLE A-13

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)							
			Brain		Heart		Liver		Kidneys	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g
0	74-3255	291	1.79	0.62	1.38	0.47	13.55	4.66	3.80	1.30
	74-3261	443	1.85	0.42	1.40	0.32	13.72	3.10	2.71	0.61
	74-3267	380	1.88	0.50	1.34	0.35	11.81	3.11	3.21	0.85
	74-3272	416	1.89	0.46	1.77	0.42	19.93	4.79	2.97	0.71
	74-3273	468	1.86	0.40	1.42	0.30	17.30	3.69	3.04	0.65
	74-3274	392	1.87	0.48	1.41	0.36	15.63	3.99	3.26	0.83
	74-3279	425	1.91	0.45	1.73	0.41	17.63	4.15	3.09	0.73
	74-3280	284	1.81	0.64	1.25	0.44	12.72	4.48	3.19	1.12
	74-3283	392	1.85	0.47	1.32	0.34	9.44	2.41	2.77	0.71
	74-3291	328	1.75	0.53	1.39	0.42	14.45	4.40	3.36	1.02
	74-3294	559	1.86	0.33	1.78	0.32	14.73	2.63	3.08	0.55
	74-3295	486	1.82	0.37	1.42	0.29	15.68	3.23	2.58	0.53
	74-3296	409	1.82	0.44	1.61	0.39	20.03	4.89	3.90	0.95
	74-3297	482	1.86	0.39	1.52	0.31	14.71	3.05	4.64	0.96
	74-3298	488	1.93	0.40	1.54	0.31	14.68	3.01	2.79	0.57
	74-3299	253	1.95	0.77	1.40	0.55	9.72	3.84	2.80	1.11
	74-3300	386	1.83	0.47	1.28	0.33	14.09	3.65	2.68	0.70
	74-3304	288	1.80	0.62	1.23	0.43	10.28	3.56	3.23	1.12
	74-3306	318	1.77	0.56	1.15	0.36	8.48	2.67	2.59	0.81
	74-3311	291	1.84	0.63	1.55	0.53	9.65	3.32	2.53	0.87
	74-3315	402	1.93	0.48	1.35	0.34	14.30	3.56	3.32	0.83
	74-3317	379	1.78	0.47	1.42	0.37	12.18	3.21	3.03	0.80
	75-3568	313	1.88	0.60	1.21	0.39	9.02	2.89	2.42	0.77
	MEAN	386	1.85	0.50	1.43	0.38	13.64	3.58	3.09	0.83
	±S.D.	±80	±0.05	±0.11	±0.17	±0.07	±3.28	±0.72	±0.51	±0.20

SL 082152

TABLE A-13 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)							
			Brain		Heart		Liver		Kidneys	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g
50	74-3402	319	1.94	0.61	1.32	0.41	8.69	2.72	2.45	0.77
	74-3406	443	1.87	0.42	1.66	0.37	15.19	3.43	3.15	0.71
	74-3407	589	1.84	0.31	1.58	0.27	16.21	2.75	3.08	0.52
	74-3408	376	1.78	0.47	1.43	0.38	11.86	3.15	3.33	0.88
	74-3409	341	1.77	0.52	1.05	0.31	10.53	3.09	2.54	0.74
	74-3414	333	1.98	0.59	1.29	0.39	9.48	2.85	2.75	0.83
	74-3415	341	1.86	0.54	1.40	0.41	14.34	4.20	3.59	1.05
	74-3418	409	1.89	0.46	1.39	0.34	17.23	4.21	3.74	0.92
	74-3422	401	1.77	0.44	1.18	0.30	12.17	3.04	2.80	0.70
	74-3423	391	1.89	0.48	1.29	0.33	10.69	2.73	2.51	0.64
	74-3425	302	1.81	0.60	1.45	0.48	11.09	3.68	3.69	1.22
	74-3426	341	1.91	0.56	1.60	0.47	11.93	3.50	2.85	0.84
	74-3427	488	1.92	0.39	1.27	0.26	12.74	2.61	2.63	0.54
	74-3428	351	1.93	0.55	1.28	0.36	10.76	3.06	2.75	0.78
	74-3430	361	1.85	0.51	1.47	0.41	11.62	3.22	3.13	0.87
	74-3435	403	1.89	0.47	1.33	0.33	15.54	3.86	2.57	0.64
	74-3612	278	2.07	0.74	1.54	0.55	11.54	4.15	3.19	1.15
	74-3624	326	1.87	0.57	1.68	0.52	11.57	3.55	3.40	1.04
	MEAN	377	1.88	0.51	1.40	0.38	12.40	3.32	3.01	0.82
	±S.D.	±74	±0.08	±0.10	±0.17	±0.08	±2.37	±0.53	±0.42	±0.20

TABLE A-13 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)							
			Brain		Heart		Liver		Kidneys	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g
100	74-3362	389	1.90	0.49	1.29	0.33	13.03	3.35	2.61	0.67
	74-3364	319	1.72	0.54	1.31	0.41	10.00	3.14	2.69	0.84
	74-3365	356	1.77	0.50	1.35	0.38	11.72	3.29	2.81	0.79
	74-3369	457	1.92	0.42	1.53	0.33	16.65	3.64	3.40	0.74
	74-3376	660	1.83	0.28	1.34	0.20	17.86	2.71	2.99	0.45
	74-3377	487	1.88	0.39	1.36	0.28	13.24	2.72	2.75	0.56
	74-3379	383	1.86	0.49	1.71	0.45	16.58	4.33	3.21	0.84
	74-3382	432	1.74	0.40	1.71	0.40	16.08	3.72	3.46	0.80
	74-3384	393	1.76	0.45	1.65	0.42	15.65	3.98	3.02	0.77
	74-3387	328	1.75	0.54	1.57	0.48	10.89	3.32	3.07	0.94
	74-3388	394	1.84	0.47	1.26	0.32	10.85	2.76	2.61	0.66
	74-3389	631	1.80	0.29	1.59	0.25	20.59	3.26	3.00	0.48
	73-3391	330	1.74	0.53	1.37	0.42	10.66	3.23	2.44	0.74
	74-3392	309	1.78	0.58	1.44	0.47	10.58	3.42	3.40	1.10
	74-3394	371	1.86	0.50	1.52	0.41	12.74	3.43	3.23	0.87
	74-3598	321	1.91	0.59	1.53	0.47	10.43	3.25	2.92	0.91
	74-3606	330	1.81	0.55	1.69	0.51	12.08	3.66	3.57	1.08
	MEAN	405	1.81	0.47	1.48	0.38	13.51	3.37	3.01	0.78
	±S.D.	±104	±0.06	±0.09	±0.15	±0.09	±3.41	±0.43	±0.33	±0.18

TABLE A-13 (cont'd)

INDIVIDUAL AND MEAN BODY WEIGHTS, ORGAN WEIGHTS, AND ORGAN/BODY WEIGHT RATIOS FOR FEMALE RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE FOR 730 DAYS

Dose ppm	Animal Number	Fasted Body Weight g	Organ Weights (g and g/100g Body Weight)							
			Brain		Heart		Liver		Kidneys	
			g	g/100g	g	g/100g	g	g/100g	g	g/100g
200	74-3322	364	1.96	0.54	1.31	0.36	12.22	3.36	3.09	0.85
	74-3327	364	1.85	0.51	1.44	0.40	10.97	3.01	2.92	0.80
	74-3331	340	1.80	0.53	1.31	0.38	10.52	3.10	2.55	0.75
	74-3334	423	1.83	0.43	1.37	0.32	12.44	2.94	2.80	0.66
	74-3340	434	1.88	0.43	1.52	0.35	13.61	3.13	2.71	0.62
	74-3344	335	1.90	0.56	1.28	0.38	11.45	3.41	2.54	0.76
	74-3345	547	1.86	0.34	1.26	0.23	19.23	3.51	2.99	0.55
	74-3346	319	1.73	0.54	1.39	0.43	11.15	3.50	2.69	0.84
	74-3348	395	2.10	0.53	1.38	0.35	14.04	3.55	3.37	0.85
	74-3349	660	1.78	0.27	1.60	0.24	16.92	2.57	3.10	0.47
	74-3355	498	1.89	0.38	1.50	0.30	15.19	3.05	2.94	0.59
	74-3356	368	1.87	0.51	1.50	0.41	13.92	3.78	2.75	0.75
	74-3574	468	1.80	0.38	1.43	0.30	17.52	3.74	2.83	0.60
	74-3580	334	1.89	0.57	1.46	0.44	11.35	3.40	2.87	0.86
	74-3586	399	1.81	0.45	1.47	0.37	19.92	4.99	3.29	0.82
	MEAN	417	1.86	0.46	1.41	0.35	14.03	3.40	2.90	0.72
	±S.D.	±94	±0.09	±0.09	±0.10	±0.06	±3.09	±0.55	±0.24	±0.13