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# DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF TNT

(Twenty-four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat)

FINAL REPORT--PHASE III
VOLUME I

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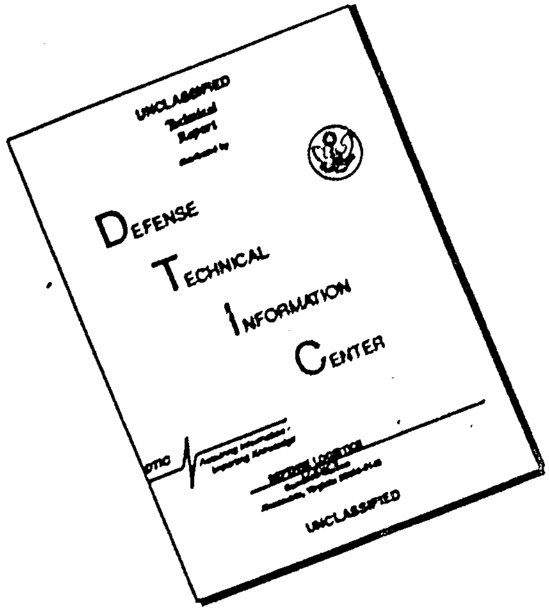


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This study was conducted to evaluate the toxicity of the munitions compound 2,4,6-trinitrotoluene (TNT, Cas Reg. No. 118-96-7) in Fischer 344 rats when administered in their diet for up to 24 months. Groups of 75 rats per sex received TNT at doses of 0, 0.4, 2, 10, or 50 mg/kg/day. Ten rats/sex/dose were sacrificed following 6 and 12 months on test with surviving animals sacrificed after 24 months of treatment. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, ophthalmology, organ weights, and gross and tissue morphology.

The major toxic effects observed during the administration of TNT to F344 rats for up to 24 months included anemia with secondary splenic lesions, hepatotoxicity, and urogenital lesions. In addition, hyperplastic/neoplastic lesions of the liver, kidneys and urinary bladder were observed. Based on the observance of splenic congestion, increased amounts of pigment deposition in the kidneys and bone marrow fibrosis at doses of 2.0 mg/kg/day or greater, the no-effect level under the conditions of the present study is 0.4 mg/kg/day.

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# DETERMINATION OF THE CHRONIC MAMMALIAN TOXICOLOGICAL EFFECTS OF TNT

## TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

FINAL REPORT


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## EXECUTIVE SUMMARY


This study was conducted to evaluate the toxicity of the munitions compound trinitrotolune (TNT); CAS Reg. No. 118-96-7) in Fischer 344 rats when administered in their diet for up to 24 months. Groups of 75 rats per sex received TNT at doses of 0, 0.4, 2, 10, or 50 mg/kg/day. Ten rats/sex/dose were sacrificed following 6 and 12 months on test with surviving animals sacrificed after 24 months of treatment. Toxicologic endpoints included clinical signs, body weights, food consumption, hematology, clinical chemistry, ophthalmology, organ weights, and gross and tissue morphology.

The chronic administration of TNT to male and female F344 rats at doses up to 50 mg/kg/day did not alter survival rates of these animals. Clinically, reductions in food consumption and corresponding decreases in body weight gain were seen for males and females given 10 or 50 mg/kg/day. No other clinical signs of toxicity were apparent except for a greater frequency of ocular discharge for high dose animals than for corresponding control animals. Ophthalmic examinations and histologic evaluation, however, failed to detect treatment-related ocular abnormalities.

Anemia consisting of reduced hematocrit, hemoglobin and RBC's was seen for males and females receiving 10 or 50 mg/kg/day with male rats appearing to be more sensitive than females. Increased production of reticulocytes was seen as a compensatory response to the anemic state. Bone marrow appeared fibrotic for females but not males and splenic lesions consisting of sinusoidal congestion, extramedullary hematopoiesis, and increased quantities of a hemosiderin-like pigment were seen. Thus, TNT appears to induce anemia by a hemolytic process. This is further supported by the observance of Howell-Jolley and Heinz bodies and the presence of methemoglobin in the circulating blood, all of which suggest the oxidizing nature of TNT and/or its metabolites.

Liver injury, primarily at 50 and to a lesser extent at 10 mg/kg/day, was indicated by several observations. Increased liver size was seen at these doses, with hepatocellular hyperplasia observed for males but not females during the second year of the study. Hepatotoxicity was also suggested by altered lipid and protein metabolism as evidenced by increased serum cholesterol, triglyceride levels and increased serum albumin levels. Additionally, alkaline phosphatase activity was altered for TNT-treated animals.

Blood urea nitrogen (BUN), and on occasion serum potassium levels, were slightly elevated for animals receiving 50 mg/kg/day of TNT. Renal injury was substantiated by organ weight analysis and gross and tissue morphology examinations. Kidney weights were elevated for animals of both sexes receiving 10 or 50 mg/kg/day. Brown mottled kidneys were seen at necropsy for high dose animals with iron-negative cytoplasmic bodies and nuclear hypertrophy of cortical proximal convoluted tubular cells observed microscopically at 2 mg/kg/day or greater. Additional toxic effects on the urogenital system, primarily seen for high dose animals, include hyperplasia of the renal pelvis, inflammation with lymphocytic infiltration of renal tissue, and for females only, urinary bladder hyperplasia, papilloma, and carcinoma.

The observance of carcinoma of the urinary bladder suggests that TNT is a carcinogen to F344 rats under the conditions of the present study. Hepatocellular, renal and urinary bladder hyperplasia support this concept. These hyperplastic/neoplastic lesions were seen at doses of 10 mg/kg/day or greater. Additional toxic effects of TNT seen primarily at 50 mg/kg/day included increased numbers of circulating platelets, elevated blood calcium, and increased heart weights. Tissue morphology studies did not support these observations.

In summary, the major toxic effects observed during the administration of TNT to F344 rats for up to 24 months included anemia with secondary splenic lesions, hepatotoxicity, and urogenital lesions. In addition, hyperplastic and/or neoplastic lesions of the liver, kidneys and urinary bladder were observed. Based on the observance of splenic congestion, increased amounts of pigment deposition in the kidneys, and bone marrow fibrosis at doses of 2.0 mg/kg/day or greater, the no-effect level under the conditions of the present study is 0.4 mg/kg/day.

## FOREWORD

The U.S. Army Medical Bioengineering Research and Development Laboratory (USAMBRDL), Fort Detrick, Frederick, MD, has been conducting a research program since 1973 for the purpose of developing the scientific data base necessary for recommending water quality criteria for compounds unique to the munitions industry. A water quality criterion (as defined by the amended Clean Water Act, 1977) is a qualitative or quantitative estimate of the concentration of a pollutant in ambient waters that, when not exceeded, will ensure a water quality sufficient to protect a specified water use. The criterion is a scientific entity based solely on data and scientific judgement. It does not reflect considerations of economic or technological feasibility. Currently, a water quality criterion consists of two separate numerical limits, one for the protection of human health and the other for the protection of aquatic organisms. These numbers, when translated by the appropriate regulatory agency, can be the basis of enforceable discharge or effluent limitations in a point source discharge permit issued under the Clean Water Act.

Since a water quality criterion is to protect designated water uses, a diverse, multidisciplinary research program was developed by USAMBRDL that includes "effects" studies on laboratory and domestic animals, wildlife species, aquatic organisms, plants, and economically important crops. In addition, extensive chemical and biological fate and persistence tests are conducted to provide information on the behavior of a pollutant in the aqueous environment. These kinds of data are especially useful for making site-specific translation of criteria into enforceable discharge limits.

This report represents a portion of the mammalian toxicology data base being developed by USAMBRDL on trinitrotoluene.

Animal Experimentation: In conducting the research described in this report, the investigator(s) adhered to the "Guide for the Care and Use of Laboratory Animals," prepared by the Committee on Care and Use of Laboratory Animals of the Institute of Laboratory Animal Resources, National Research Council (DHEW Publication No. (NIH) 78-23, Revised 1978).

Citations of commercial organizations and trade names in this report do not constitute and official Department of the Army endorsement or approval of the products or services of these organizations.

## ACKNOWLEDGEMENT

This report was prepared at IIT Research Institute, 10 West 35th Street, Chicago, Illinois, 60616, under U.S. Department of Army Contract No. DAMD17-79-C-9120 (IITRI Project No. L06116) entitled "Determination of the Chronic Mammalian Toxicological Effects of TNT". Mr. Jesse J. Barkley, Jr., Environmental Protection Research Division, USAMBRDL, served as the Contracting Officer's Technical Representative for this program.

The work reported herein was conducted in the Toxicology and Pharmacology Section of the Life Sciences Department and represents a portion of the overall effort of the above named research program. Paul M. Lish, Ph.D., Scientific Advisor, served as Principal Investigator. Barry S. Levine, D.Sc., Senior Toxicologist, and Eva M. Furedi-Machacek, DVM, served as consecutive study directors and were responsible for the overall conduct of the study and for final report generation. Dr. Furedi-Machacek also served as study toxicologist and was responsible for the supervision of the technical support personnel. John M. Burns, DVM, Senior Veterinary Pathologist, Bobby R. Collins, DVM, M.S., and Vladislava S. Rac, DVM, M.S., were consecutively responsible for supervision of gross necropsies. Carol A. Thompson, DVM, M.S., tabulated the gross necropsy data. Drs. Burns and Levine served as consecutive heads of the the clinical pathology laboratory, and Don Reitman, Samuel Terese, B.S., (ASCP-MT), and Debbie L. Sava, B.S., (ASCP-MT), were responsible for generation of clinical pathology data. Donovan E. Gordon, DVM, Ph.D., Consultant, Veterinary Pathology, was responsible for tabulation and evaluation of histopathology data. Bobby R. Collins, DVM, M.S., and Joseph B. Harder, DVM, served as clincal veterinarians and supervised animal care personnel. Joann M. Hinz, B.S., and Robert M. Renaud, B.S., were responsible for the collection of test data. Dorothy Davis, (ASCP-HT), was responsible for preparation of histology slides. C. Susan West, DVM, performed the ophthalmic examinations. Josephine M. Reed, M.M., M.S., Supervisor, Quality Assurance, was responsible for the quality assurance program. Robert Remaly, B.S., Senior Engineer, was responsible for preparation of the test article premixes. Hugh J. O'Neill, Ph.D., Manager, Analytical Chemistry and Walter C. Eisenberg, Ph.D., Senior Chemist, were responsible for chemical analyses of test articles, test article premixes and test diets. Jean Graf provided the particle size analyses. Kirit Parikh B.S., was responsible for the Quality Assurance program of chemical analyses. Robert Gibbons, Ph.D., provided statistical and computational assistance.

## QUALITY ASSURANCE STATEMENT

Biological laboratory inspections were performed on April 3, May 28, June 16, July 7, August 4 and 13, September 1 and 29 and November 11, 1981; January 18 and 26, February 10, March 11, April 15, June 2, July 8, August 12 and 24, September 2 and November 10, 1982; January 26, March 1, 2, and 17, May 19, July 29 and August 2, 1983; and February 8, April 6 and October 4, 1984. Data audits were performed between January 26, August 2, November 29 to December 1 and December 6 to 8, 1982; January 18 and March 17, 1983; and January 23 to March 8, March 14 to 29, May 16, and June 7 to July 10, 1984. The final draft report was audited between April 14 and 22, 1986. Inspections and audits were performed by Josephine Reed, Julie McPhillips, and Kirit Parikh. The study was found to meet Life Sciences Quality Assurance criteria. Specimens and raw data generated during the study will be retained in the IITRI Life Sciences Archives as specified in standard operating procedures.

Josephine M Reed 5/28/86

Josephine M. Reed
Supervisor, Quality Assurance

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## I. INTRODUCTION

The U.S. Army Medical Research and Development Command (USAMRDC) has been directed to evaluate the potential hazards to living systems of wastewater discharges from munitions facilities. Of primary concern are the toxicologic effects to mammalian systems of trinitrotoluene (TNT; CAS Reg. No. 118-96-7). This high explosive is routinely used in filling shells and bombs. Washdown waters resulting from the loading of this explosive into shells are discharged into the environment without significant treatment and are subject to limitations imposed by governmental regulatory agencies. Evaluation of the potential hazards of these wastewaters to human health is, therefore, a necessary portion of the data-base required to establish comprehensive environmental criteria.

The present study was conducted to aid in this evaluation by assessing the chronic toxicity and potential carcinogenicity of TNT in Fischer 344 rats when administered in the diet for at least 104 weeks. Information ultimately derived from this comprehensive long-term toxicology study will aid USAMRDC in developing criteria for the establishment of effluent standards and in defining levels of treatment for the Army's pollution abatement program.

The study reported herein was conducted in accordance with the IITRI Quality Assurance Program designed to comply with FDA Good Laboratory Practice Regulations (1). Thus, all terms used in this report, e.g. test article, raw data, specimens, etc., are in agreement with the definitions set forth in the aforementioned document.

## II. MATERIALS AND METHODS

### A. Test Article

One hundred pounds of trinitrotoluene (TNT; CAS Reg. No. 118-96-7), Batch No. VOL 11-011, was made available for this study from stocks at the IITRI Kingsbury Ordnance Plant (KOP) Explosive Facility, La Porte, IN. The test article was stored at the facility in the dark and at ambient room temperature and relative humidity. Upon initiation and at termination of the treatment phase of the study, 30 g samples were taken and stored under conditions similar to those for Batch No. VOL 11-011.

The purity of the test article was determined by high performance liquid chromatography, as described in Appendix IA (p. 116), with analytical standards provided by the Sponsor. TNT purity was analyzed twice during this study and the results were as follows: May 1982 (99.43 ± 2.89%) and March 1983 (99.05 ± 4.11%).

Particle size analyses were done in November 1979 and November 1981 by the Fine Particles Research Section of the Chemistry and Chemical Engineering Department of IIT Research Institute. The results were as follows:

| Date | November 1979 | | | November 1981 | | |
|---|---|---|---|---|---|---|
| Size (um) | Number | % | Cummul. % | Number | % | Cummul. % |
| <22 | 187 | 38.4 | 38.4 | 68 | 13.6 | 13.6 |
| 22-44 | 101 | 20.2 | 58.6 | 143 | 28.7 | 42.3 |
| 44-66 | 69 | 14.2 | 72.8 | 87 | 17.4 | 59.7 |
| 66-110 | 57 | 11.7 | 84.5 | 86 | 17.2 | 76.9 |
| 110-220 | 44 | 9.0 | 93.5 | 73 | 14.6 | 91.5 |
| 220-330 | 18 | 3.7 | 97.2 | 20 | 4.0 | 95.5 |
| 330-440 | 9 | 1.9 | 99.1 | 14 | 2.8 | 98.3 |
| >440 | 2 | 0.4 | 99.4 | 8 | 1.6 | 99.9 |

B. Test Diets

Premixes for the test article, approximately 10% in Purina Certified Rodent Chow No. 5002 (Ralston Purina Co., St. Louis, MO.), hereafter referred to as 5002, were prepared on a monthly basis in 4 kg quantities at the KOP by IITRI Chemistry Department personnel. The 10% premixes and test diets were stored at approximately 4°C. Undiluted TNT was handled in accordance with procedures for explosive and fire hazards. The test article was ball milled with equal parts of 5002 without presifting and subsequently diluted with additional 5002 in a twin shell blender to yield approximate 10% premixes. On and following Test Week 72, the diets that were analyzed as described below were prepared from premixes for which the 5002 was passed through a No. 45 sieve (355 um) before ball milling with TNT. Procedres were changed because homogeneity tests of some TNT diets prepared for this study and for a parallel study with mice (IITRI L06116 Study No. 11) showed large relative standard deviation.

Each TNT premix was tested for accuracy, homogeneity, potency and recovery of the test article. Homogeneity testing consisted of analyzing for test article concentration in each batch of premix samples taken from six random container locations. Premix stability was established for a period of seven weeks and later for a period of nine weeks by conducting homgeneity tests at the initial and the terminal points of the 7, as previously reported (2) or 9 week period (see below). Recovery tests for the premix consisted of adding a known quantity of test article to an aliquot of the premix extract. The spiked sample subsequently underwent the identical analytical procedure as the actual premix. Toxicology Section personnel received the test article as approximate 10% premixes in 5002. These premixes posed little explosive or fire hazard as previously demonstrated (2). Results of premix analyses were as follows:

| LOT NO. | DATE PREPARED | DATE ANALYZED | % TNT ± S.D.* |
|---|---|---|---|
| 134-18 | 1-15-81 | 1-21-81 | 10.38 ± 0.24 |
| 134-19 | 2-13-81 | 3-02-81 | 9.89 ± 0.13 |
| 134-21 | 3-13-81 | 3-23-81 | 10.05 ± 0.27 |
| 134-22 | 4-16-81 | 4-30-81 | 10.20 ± 0.31 |
| 134-23 | 5-12-81 | 5-21-81 | 9.82 ± 0.25 |
| 162-1 | 6-15-81 | 6-25-81 | 9.86 ± 0.41 |
| 162-2 | 7-09-81 | 7-21-81 | 9.92 ± 0.56 |
| 162-3 | 8-13-81 | 8-25-81 | 9.20 ± 0.77 |
| 162-4 | 9-11-81 | 9-18-81 | 9.54 ± 0.58 |
| 162-5 | 10-19-81 | 10-23-81 | 9.94 ± 0.46 |
| 162-6 | 11-12-81 | 11-20-81 | 9.70 ± 0.25 |
| 162-7 | 12-18-81 | 12-22-81 | 9.68 ± 0.49 |
| 162-9 | 1-29-82 | 2-02-82 | 9.73 ± 0.50 |
| 162-10 | 2-12-82 | 2-22-82 | 9.51 ± 0.84 |
| 162-11 | 3-23-82 | 3-31-82 | 9.91 ± 0.27 |
| 162-12 | 4-26-82 | 5-06-82 | 9.99 ± 0.11 |
| 162-17 | 6-02-82 | 6-07-82 | 9.88 ± 0.23 |
| 162-17** | 6-02-82 | 8-18-82 | 9.47 ± 0.43 |
| 162-19 | 7-13-82 | 7-19-82 | 9.04 ± 0.33 |
| 162-20 | 8-16-82 | 8-19-82 | 9.58 ± 0.29 |
| 162-21 | 9-10-82 | 9-16-82 | 9.87 ± 0.20 |
| 162-22 | 10-18-82 | 10-22-82 | 9.85 ± 0.56 |
| 162-23 | 11-22-82 | 12-01-82 | 9.74 ± 0.68 |
| 162-24 | 12-20-82 | 12-30-82 | 9.93 ± 0.21 |
| 162-25 | 1-20-83 | 1-25-83 | 9.78 ± 0.37 |
| 216-01 | 2-24-83 | 3-01-83 | 9.84 ± 0.37 |
| 216-03 | 3-23-83 | 4-01-83 | 9.52 ± 0.18 |
| 216-04 | 5-03-83 | 5-09-83 | 9.49 ± 0.25 |

* Six sampling locations

** Stability Study

Following chemical analysis of the premixes to determine test article concentration and homogeneity (Appendix IB and ID), sufficient quantities were diluted with 5002 meal in a twin shell blender by toxicology personnel to achieve the concentrations of the test article necessary to administer the required dose levels on a mg/kg/day basis. The last two periods' body weight and food consumption measurements for each test group, by sex, were used to calculate the projected weight gain and food consumption and afterward, the desired dietary concentrations of the test article for the following period. Twenty, and later, 16 kg of each test diet (in two batches) were prepared on an approximate weekly basis. Unused portions of 10% premixes were returned to KOP for disposal in accordance with instructions for safe disposal of explosives. Surplus and uneaten portions of test diets were incinerated.

Twenty-eight test diets (2 diets/sampling week) used in Test Weeks 1, 12, 28, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 95, 101 and 104 were analyzed for concentration and homogeneity (Appendix IC and Appendix ID). In addition, one control and two test diets were monitored for stability under animal cage conditions for one week. First, they were sampled the day they were placed in the animals' cages and again one week later from the uneaten portion of the diet. Recovery studies of test diets consisted of adding a known quantity of test article (spiking) to a weighed quantity of untreated 5002 in a measured volume of acetonitrile (the solvent used in the extraction procedure). The spiked samples subsequently underwent the identical analysis as the actual diet samples and the percentage of recovery was calculated.

One sample of 5002, lot March 24 822G, was analyzed during the course of the study by Trace Elements, Inc., Park Ridge, IL (TEI) for those contaminants listed in the 5002 certification profile shown in Appendix II. The analytical results are also shown in Appendix II except for the chlortetracycline levels shown in Appendix VII. The references to the procedures used by TEI are in Appendix III. On the basis of the analytical results for chlortetracycline content, aliquots from this and three additional reserve samples of 5002 were sent to TEI for analysis. In addition, aliquots from these four reserve samples were sent to Scientific Associates, Inc., St. Louis, MO, Woodson-Tenent Laboratories, Inc., Memphis, TN, and Harris Laboratories, Inc., Lincoln, NE for chlortetracycline analysis. Samples of each 5002 lot used in the study were also analyzed for nitrate, nitrite and mercury content by TEI.

### C. Test Animals

Fischer 344 rats, obtained from Harlan Sprague-Dawley, Madison, WI, were used for this study. Four hundred and twenty-six males and four hundred twenty-nine females were received in good condition on February 12, 1981. They were 3 to 4 weeks old upon arrival, and random body weights (mean ± SD) recorded within three days of receipt were 46 ± 12 g for males and 44 ± 11 g for females.

The shipment was housed in two quarantine rooms, one for each sex. The animal room conditions during qurantine, pretest and test periods were as follows: 20-24°C, ambient relative humidity (30-70%), and 12 hour light/12 hour dark cycle. There were no other test animals in the rooms. The animals were housed three per polycarbonate cage (16.5" x 8" x 8") with Ab-sorb-dri bedding (Ab-sorb-dri Inc., Rochelle Park, NJ) from arrival until their termination. Animals were transferred to clean cages twice weekly. Each animal was identified during the quarantine period by a combination of cage number and ear punch. Test animal selection was done at the onset of Test Week -2 (2 weeks prior to initiation of treatment). Animals placed on test were identified by an ear tag bearing a study-unique test animal number (N = 750) which was included with necropsy specimens. This number appeared on the cage card that also contained the study number, dose level and sex. In addition the cage cards were color coded as to the dose level and sex.

Upon arrival at the IITRI animal facility, the animals were held in quarantine for 12 days. During this period, they were observed for signs of disease, general unthriftiness, poor coat, discharges from body openings, abnormal feces, etc. Any animals found to be unhealthy were eliminated from the test animal selection process. At the end of the quarantine period, five animals of each sex were sacrificed and extensive gross necropsies were performed under the supervision of the pathologist. Blood samples were collected for measurements of hematology and clinical chemistry parameters (see Section II.D). Results of pretreatment health screen were within limits for the rats of this strain and age. Microbiological examination of the digestive and respiratory system for pathogens, molds, yeasts, parasites and *Mycoplasma pulmonis* was also performed for the above rats with negative results. Serum antibody titer was determined for the following diseases: GD-VII, H-1, Kilham Rat Virus, Adenovirus, Sendai Virus, Rat Coronavirus-Sialodacryadenitis, Reovirus 3, Pneumonia Virus of Mice (PVM) and Lymphocytic Choriomeningitis (LCM). These antibody titers were negative as measured by Microbiological Associates, Bethesda, MD.

Animals received 5002 rodent chow meal from arrival until their termination, except during a 17 to 19 hour fast prior to blood collection and/or scheduled sacrifice. The food was available from powdered diet feeders (Model HB-69B, Hoeltge, Inc. Cincinnati, OH). Tap water was available *ad libitum* from glass or plastic bottles. Bimonthly analytical results of drinking water of the City of Chicago were included in the monthly or bimonthly technical reports and a sample is shown in Appendix IX.

### D. Experimental Design

Following the quarantine period, test-eligible animals were assigned to five treatment groups for each sex by a stratified randomization procedure (blocked by body weight). Following assignment to treatment groups, all animals were randomly assigned test animal numbers as shown below. The animal cages were assigned permanent randomized locations on racks without regard to dose level or sex. Mean body weight values at randomization were 60 ± 14 g for males and 55 ± 13 g for females. This procedure was performed at the onset of Test Week -2. The animals were approximately 6-7 weeks old upon initiation of treatment and body weight ranges recorded during Test Week -1 (the most recent data prior to initiation of treatment) were 53-168 g for males and 73-128 g for females. The first day of exposure to the test article was March 11, 1981. Dietary administration continued until week 106 of study, March 1983.

Treatment Group Allocation:

| Treatment Group | Treatment | Animals per Sex | Dose Level (mg/kg/day) | Test Animal No. (males) | Test Animal No.(females) |
|---|---|---|---|---|---|
| I. | - | 75 | 0.0 | 1- 75 | 76-150 |
| II. | TNT | 75 | 0.4 | 151-225 | 226-300 |
| III. | TNT | 75 | 2.0 | 301-375 | 376-450 |
| IV. | TNT | 75 | 10.0 | 451-525 | 526-600 |
| V. | TNT | 75 | 50.0 | 601-675 | 675-750 |

The dose levels for this study were selected on the basis of results of the "Thirteen Week Oral (Diet) Toxicity Study of Trinitrotoluene (TNT), Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and TNT/RDX Mixtures in the Fischer 344 Rat" performed by IITRI under Contract Nos. DAMD17-79-C-9120 and DAMD17-79-C-9161 reported November 1981.

The appropriate test diets were available to the test animals *ad libitum* from Test Day 1 until their termination, except during a 17 to 19 hour fast prior to either blood collection in Test Weeks 14, 26, 52, 78 and 104 or scheduled sacrifice in Test Weeks 27, 53 and 105-106. Thus, all animals received the appropriate test diet until approximately one day prior to their scheduled sacrifice. Weekly test diets were prepared for each treatment group, by sex, on the basis of the projected body weight and food consumption data.

Commencing with Test Week -1 until their termination, all animals were observed once daily in the morning for any pharmacologic and/or toxicologic signs. Afternoon mortality checks were initiated on Test Day 1. The presence or absence of red bedding in animals's cages was recorded weekly from Test Week 1 until termination. Physical examinations, which included palpations for masses, were conducted weekly from Test Week -1 until Test Week 13 and then biweekly until Test Week 104. Food consumption was measured weekly for each cage of test animals commencing with Test Week -2 through Test Week 13 and biweekly until Test Week 104. Mean daily food consumption per animal was calculated from these data. Body weight values were recorded weekly starting in Test Week -2 until Test Week 13, and biweekly thereafter until termination.

All surviving animals were subjected to ophthalmic examinations during Test Weeks -2, 25, 51, 76 and 103. The examination consisted of indirect ophthalmoscopy and biomicroscopy. Only animals found to be free of clinically apparent lesions in the pretest examination were used in the study.

Serial blood collections were performed on the same randomly selected 10 animals/sex/dose level during Test Weeks 14, 26, 52, 78 and 104 for measurments of clinical chemistry and hematology parameters. If an animal died prior to its scheduled blood collection, it was replaced by another randomly selected rat of the same sex and dose level. Approximately 1.5-2.0 ml of blood was collected from each animal via the orbital sinus. The samples were collected over a 3 consecutive day period and analyzed in a randomized order.

The following parameters were measured:

Hematology:

Hematocrit (Hct)
Hemoglobin (Hgb)
Mean Corpuscular Volume (MCV)
Mean Corpuscular Hemoglobin (MCH)
Mean Corpuscular Hemoglobin Concentration (MCHC)

Methemoglobin (METHGB)
Erythrocyte count (RBCs)
Platelet count (PLT)
Leukocyte count, total (WBC) and differential
Reticulocyte count (RETIC)
RBCs with Howell-Jolly bodies (qualitative) (HOWJOL)
RBCs with Heinz bodies (qualitative)

Clinical chemistry:

Glucose (GLU)
Blood urea nitrogen (BUN)
Serum glutamic-pyruvic transaminase (SGPT)
Bilirubin, total (T-BIL) and direct (D-BIL)
Lactic dehydrogenase (LDH)
Creatine phosphokinase (CPK)
Alkaline phosphatase (A PHOS)
Triglycerides (TRIG)
Total cholesterol (CHOL)
Total protein (T PRO)
Albumin (ALB)
Globulin (calculated value) (GLOB)
A/G ratio (calculated value)
Sodium (NA)
Potassium (K)
Chloride (Cl)
Calcium (CA)

Methods used to measure the above parameters are listed in Appendix IV (hematology) and Appendix V (clinical chemistry).

All animals which were sacrificed in a moribund state or died on test were necropsied regardless of autolytic state. Ten randomly selected animals/sex/dose level, after exclusion of animals designated for serial blood collection, were sacrificed during Test Weeks 27 and 53. Three hundred seventy-five surviving test animals were sacrificed and necropsied in random order during Test Weeks 105 and 106. Terminal body weights were recorded immediately prior to sacrifice following a 17 to 19 hour fast. Euthanasia was accomplished with carbon dioxide anesthesia followed by exsanguination from the abdominal aorta. The necropsy procedure was a thorough and systematic examination of the animal viscera and carcass with collection and fixation of the following tissues:

*Adrenals
Bone marrow smear
*Brain
Cecum

Colon
Costochondral junction, rib
Duodenum
Epididymes
Esophagus
Eyes and optic nerves
Gross lesions
*Heart
Ileum
Jejunum
*Kidneys
Larynx
*Liver
Lungs and mainstem bronchi
Lymph nodes (mandibular and mesenteric)
Mammary gland
Muscle
Nasal turbinates
*Ovaries
Pancreas
Pituitary gland
Prostate
Rectum
Salivary gland
Sciatic nerve
Seminal vesicles
Skin, abdominal
Spinal cord (cervical, thoracic, lumbar)
*Spleen
Sternum, including bone marrow
Stomach
*Testes
Thymus
Thyroids (parathyroids)
Tissue masses
Trachea
Urinary bladder
Uterus

* These organs were weighed during the scheduled necropsies. Testes were not weighed during scheduled terminal sacrifice (Test Weeks 105-106).

All tissues, except eyes, testes and bone marrow smears, were fixed at a thickness not exceeding 0.5 cm in 10% neutral buffered formalin (NBF) that was changed 24 hours later. Eyes and testes were fixed in 3% aqueous glutaraldehyde and Bouin's Solution, respectively, for 24 hours. They were transferred to 50% ethanol for 24 hours, then placed in 70% ethanol. Bone marrow smears were prepared from the femur using the "Paint brush technique". They were air-dried and fixed in absolute methanol. Lungs and urinary bladder were inflated with NBF prior to immersion in this fixative. The stomach was opened and flattened on paper prior to fixation. All tissues examined microscopically were cut at a thickness of 4 to 6 microns and stained with hematoxylin and eosin. Selected slides of kidneys and spleens were stained with Gomory stain for iron.

Tissues from all control animals and those receiving 50.0 mg/kg/day were subjected to comprehensive histopathologic examination, defined as microscopic examination of the following tissues and/or organs:

Adrenals
*Brain (3 sections)
Cecum
Colon
Duodenum
Epididymes
Esophagus
Eyes and optic nerve
Gonads
Gross lesions
Heart
Ileum
Jejunum
Kidneys
Liver
Lungs and mainstem bronchi
Mammary gland
Mesenteric lymph node
Pancreas
Pituitary gland (collected after the six month interim sacrifice)
Prostate
Rectum
Salivary gland
Skin, abdominal
Spinal cord (cervical, thoracic and lumbar)
Spleen
Sternum including bone marrow
Stomach
Tissue masses
Thyroids (parathyroids)
Tissue masses
Trachea
Uterus
Urinary bladder

*(1) frontal cortex and basal ganglia; (2) parietal cortex and thalmus; and (3) cerebellum and pons.

Tissues from all animals receiving 0.4, 2.0, and 10.0 mg/kg/day were subjected to limited histopathologic examination defined as microscopic examination of at least the following tissues and/or organs: Brain (section of frontal cortex and basal ganglia; section of parietal cortex and thalmus and section of cerebellum and pons) gonads, heart, liver, kidneys, spleen, spinal cord (cervical, thoracic and lumbar) pituitary gland (see above) and, in addition, for the females, urinary bladders and sternal bone marrow (only those dying or sacrificed after two months).

E. Statistical Analysis

Those variables that were repeatedly measured, e.g. body weight, food consumption, and clinical pathology parameters were statistically analyzed by a multivariate analysis of variance for repeated measurements model. Variables that were measured a single time, e.g. organ weights, were analyzed by both univariate and multivariate analysis of variance procedures. In the presence of significant ANOVA results, a series of post-hoc analyses were conducted. Individual between-group comparisons at each time-point were performed after Tukey's b test for multiple comparisons. Frequency data, such as incidence of mortality, gross necropsy observations and histopathologic lesions, were compared by log linear analysis techniques where appropriate. Time-to-death data were analyzed by the Kaplan-Meier and Cox regression analyses. Individual animal data can be found in Appendix VI.

## III. RESULTS

A. Test Diets

Weekly doses received by test animals, based on their body weight and food consumption, were very close to the intended dose levels. Mean dose calculations across time were within 98% of anticipated values for all treatment groups (Tables 1 and 2).

Analytically determined concentrations of TNT in test diets were found to be close to their intended concentrations. The homogeneity (relative standard deviation) of some of the tested diets was not satisfactory, mostly at the low concentrations and in the period between Test Weeks 36 and 54. When test diets were sampled one week after being placed in the animal room, a slight decrease in TNT concentration occurred (Table 3). The known volatility of TNT may have accounted for this change.

B. Food and Water Contaminants

The analysis of a 5002 sample for those contaminants listed in the 5002 certification profile is shown in Appendix II. The results of repeated testing of 5002 samples for chlortetracycline content are contained in Appendix VII. The three reference laboratories that reanalyzed the 5002 samples following TEI, generally reported negligible quantities of chlortetracycline.

A sample from each 5002 lot was analyzed for nitrate, nitrite and mercury content. The results are shown in Appendix VIII. Analytical results obtained from a sample of Chicago water are contained in Appendix IX.

C. Mortality/Clinical Observations

TNT did not induce lethality at the doses tested in this study, as mean survival times were similar among control and treatment groups. In addition, TNT-related clinical signs were not readily apparent. Only the frequency of ocular discharge during the second year of the study appeared to be greater for high dose males and females than for corresponding control animals. No other clinical observations were evident as a consequence of TNT exposure (Table 4).

D. Body Weight

Dose-related reductions in body weight gain were observed for both male and female rats. Animals given 10 mg/kg/day showed an approximate 5-14% reduction at the termination of the two year treatment period. At the 50 mg/kg/day dose level, 30-33% decreases in body weight gain were seen, with females appearing to be slightly more sensitive. No effect on body weight was seen at either 0.4 or 2 mg/kg/day (Tables 5-8).

E. Food Consumption

Dose-related decreases in food intake were apparent for both sexes throughout the study. This was mostly seen for rats at the 10 and 50 mg/kg/day dose levels. Sporadic increases and decreases in food consumption were observed at the other doses, but were not considered to be treatment-related (Tables 9 and 10).

F. Hematology

Dose-related anemia (reductions in hematocrit, hemoglobin and RBC co nts) was seen in TNT-treated rats. These changes were seen throughout the study for the male rat and during the first year for female rats administered 50, and to a lesser extent, 10 mg/kg/day (Figures 1-2). Male rats appeared to be more affected than female rats. Compensatory responses to the anemic state were minimal, with marginal reticulocytosis occasionally seen at the highest dose administered. Macrocytosis was not observed. Additional erythrocytic effects of TNT included methemoglobinemia for males at 10 and 50 mg/kg/day (Figures 3-4) and the minimal occurrence of Howell-Jolley and Heinz Bodies at this latter dose level (Appendix VI, Tables 4a-4e).

The only other hematologic effect of TNT seen in this study was thrombocytosis for male and female rats administered 50 mg/kg/day primarily during the second year of the study (Test Weeks 52 and 78 but not 104). All other hematologic changes were random and not considered related to TNT treatment (Tables 11-20).

G. Clinical Chemistry

Serum lipids appeared to be affected by the administration of TNT. The highest dose given (50 mg/kg/day) increased serum cholesterol levels for males and females whereas lower doses (2 and 10 mg/kg/day) caused a dose-related elevation for males only (Figures 5-6). For serum triglycerides at Test Week 78, a dose-related trend for hypotriglyceridemia was seen, although not statistically significant, for female rats only. When rats were sampled during Test Week 104, statistically significant reductions in serum triglyceride levels were apparent for females at the 10 and 50 mg/kg/day doses and hypertriglyceridemia for male rats at the 50 mg/kg/day dose level. In addition, females at the 2 mg/kg/day appeared to have treatment-related hypotrigliceridemia (Figures 7-8).

Serum total protein, albumin and globulin levels were, in general, elevated for rats of both sexes administered 50 mg/kg/day. This was primarily observed for males during the first year and for females during the second year. The fractional increase for globulin was apparently greater than that occurring for albumin as the A/G rato was reduced for these high dose animals (Figures 9-12).

Additional responses observed for high dose rats only included slightly increased BUN levels during the second year of the study, elevated serum potassium values at Test Weeks 14 and 26, and isolated instances of hyperbilirubinemia and hypercalcemia.

Dose-related reductions of serum alkaline phosphatase activity were seen for males but not females during the first sampling period (Test Week 14). This was not seen subsequently for animals of either sex. However, this enzyme was not measured after Test Week 52 as alkaline phosphatase levels for aging animals increase thus limiting the value of the parameter. With the exceptions noted above, all other changes in clinical chemistry parameters were random and not considered to be treatment-related (Tables 21-30).

H. Ophthalmology

The ophthalmology narrative report is contained in Appendix X (attached) and the complete report is in Volume II*, Appendix Xa. All opthalmologic abnormalities seen occurred in random fashion and were not considered to be treatment-related.

I. Organ Weights

Dose-related hepatomegaly and increased kidney weights were seen during all three sampling periods (Test Weeks 27, 53 and 105). These effects were observed for rats given 10 or 50 mg/kg/day, with only one instance of elevated relative renal weights at the 2 mg/kg/day dose level. Additional treatment-related alterations in organ weights included splenomegaly at Test Weeks 27 and 53 for both sexes administered 50 mg/kg/day. Increased relative heart weights were seen for females at Test Weeks 27 and 53 and for both sexes at Test Week 105 at 50 and 10 mg/kg/day. Relative testes weights were increased at both interim sacrifice periods (Tables 31-42).

J. Pathology

The Pathology Narrative Report appears in Appendix XI (attached) and the complete report is in Volume III*, Appendix XIA. Histopathologic lesions following up to 12 months of TNT treatment were confined to the spleen and kidneys. Grossly enlarged darkened spleens were seen for rats at the 50 mg/kg/day dose level. At the microscopic level, increased extramedullary hematopoiesis, sinusoidal congestion, and/or increased amounts of a pigment resembling hemosiderin within sinusoidal macrophages were apparent for males and females

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* Requests for Volumes II and III should be directed to Health Effects Research Division, U.S. Amry Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland 21701-5012.

administered either 10 or 50 mg/kg/day. Renal damage, observed grossly at this latter dose as a brown mottled appearance, consisted of iron-negative cytoplasmic bodies and nuclear hypertrophy of cortical proximal convoluted tubular cells. These histologic changes were primarily seen at doses of 2 mg/kg/day or greater (Table 43).

Histopathologic lesions observed and dose levels affected for rats during the 12 to 24 month TNT treatment period included those described above. Liver injury occurring as hepatocellular hyperplasia for males but not females was also evident at 10 and 50 mg/kg/day. Bone marrow fibrosis, observed for female rats, was apparent at doses of 2 mg/kg/day or greater. In addition, the following treatment-related lesions were apparent or increased to a greater extent primarily for high dose animals: hyperplasia of the renal pelvic epithelium, inflammation with lymphocytic infiltration of renal tissue (chronic nephropathy), and for females only, urinary bladder hyperplasia, papilloma, and carcinoma (Tables 44-45).

## IV. DISCUSSION

The chronic administration of TNT to male and female F344 rats at doses up to 50 mg/kg/day did not alter survival rates of these animals. Clinically, reductions in food consumption and corresponding decreases in body weight gain were seen for males and females given 10 or 50 mg/kg/day. No other clinical signs of toxicity were apparent except for a greater frequency of ocular discharge for high dose animals than for corresponding control animals. Opthalmic examinations and histologic evaluation, however, failed to detect treatment-related ocular abnormalities.

Anemia consisting of reduced hematocrit, hemoglobin and RBC's was seen for males and females receiving 10 or 50 mg/kg/day with male rats appearing to be more sensitive than females. Reticulocytosis but not macrocytosis was seen as a compensatory response to the anemic state. Bone marrow appeared fibrotic for females but not males, and splenic lesions consisting of sinusoidal congestion, extramedullary hematopoiesis, and increased quantities of a hemosiderin-like pigment were seen. Thus, TNT appears to induce anemia by a hemolytic process. This is further supported by the observance of Howell-Jolley and Heinz bodies and methemoglobinemia, all of which suggest the oxidizing nature of TNT and/or its metabolites.

Liver injury, primarily at 50 and to a lesser extent at 10 mg/kg/day, was indicated by several observations. Hepatomegaly was seen at these doses, with hepatocellular hyperplasia observed for males but not females during the second year of the study. Hepatotoxicity was also suggested by altered lipid and protein metabolism, as evidenced by hypercholesterolemia, hypotriglyceridemia (females only), and increased serum albumin levels. Additionally, alkaline phosphatase activity was altered for TNT-treated animals.

Blood urea nitrogen (BUN), and on occasion serum potassium levels, were slightly elevated for animals receiving 50 mg/kg/day of TNT. Renal injury was substantiated by organ weight analysis and gross and tissue morphology examinations. Kidney weights were elevated for animals of both sexes receiving 10 or 50 mg/kg/day. Brown mottled kidneys were seen at necropsy for high dose animals with iron-negative cytoplasmic bodies and nuclear hypertrophy of cortical proximal convoluted tubular cells observed microscopically at 2 mg/kg/day or greater. Additional toxic effects on the urogenital system, primarily seen for high dose rats, included hyperplasia of the renal pelvis, inflammation with lymphocytic infiltration of renal tissue, and for females only, urinary bladder hyperplasia/ papilloma/carcinoma.

The observance of carcinoma of the urinary bladder suggests that TNT is a carcinogen to F344 rats under the conditions of the present study. Neoplastic lesions in the urinary bladder are very rare as reported by D. G. Goodman _et al_. (3). In a series of 1794 male and 1754 female F344 rat controls for 2 year chronic studies, six urinary bladder tumors were found and consisted of: transitional cell papilloma for one male (0.05%) and two females (0.11%); transitional cell carcinoma for two females (0.11%) and undifferentiated carcinoma for one male (0.05%). In addition to the above mentioned neoplasias, hepatocellular, renal and urinary bladder hyperplasia support this concept of carcinogenicity. These hyperplastic/neoplastic lesions were seen at doses of 10 mg/kg/day or greater.

Additional toxic effects of TNT seen primarily at 50 mg/kg/day included thrombocytosis, hypercalcemia, and increased heart weights. Tissue morphology studies did not support these observations.

In summary, the major toxic effects observed during the administration of TNT to F344 rats for up to 24 months included anemia with secondary splenic lesions, hepatotoxicity, and urogenital lesions. In addition, hyperplastic and/or neoplastic lesions of the liver, kidneys and urinary bladder were observed. Based on the observance of splenic congestion, increased amounts of pigment deposition in the kidneys and bone marrow fibrosis at doses of 2.0 mg/kg/day or greater, the no-effect level under the conditions of the present study is 0.4 mg/kg/day.

## V. REFERENCES

1. Good Laboratory Practice Regulations. Fed Reg. 21 CFR Part 38. 60013-60020, 1978.

2. Levine, B.S., Furedi, E.M., Gordon, D.E., Burns, J.M., and Lish, P.M. Thirteen Week oral (diet) toxicity study of trinitrotoluene (TNT), hexahydro-1,3,5-trinitro-1, 3,5-triazine (RDX) and TNT/RDX mixtures 'n the Fischer 344 rat. Final Report No. L6116/L6121, Study No. 1.

3. Goodman, D.G., *et al*. Tox. Appl. Pharma. 48:237-244, 1979.

TABLES

Table 1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 1 | 0.397 ± 0.043 ( 75) | 2.052 ± 0.215 ( 75) | 9.421 ± 1.031 ( 75) | 48.495 ± 5.033 ( 75) |
| 2 | 0.341 ± 0.034 ( 75) | 1.994 ± 0.203 ( 75) | 10.189 ± 1.158 ( 75) | 45.280 ± 3.883 ( 75) |
| 3 | 0.384 ± 0.038 ( 75) | 1.975 ± 0.151 ( 75) | 10.502 ± 1.004 ( 75) | 50.471 ± 3.931 ( 75) |
| 4 | 0.347 ± 0.026 ( 75) | 1.865 ± 0.129 ( 75) | 8.450 ± 0.746 ( 75) | 48.431 ± 3.581 ( 75) |
| 5 | 0.401 ± 0.029 ( 75) | 1.975 ± 0.141 ( 75) | 10.348 ± 0.941 ( 75) | 48.887 ± 3.285 ( 75) |
| 6 | 0.376 ± 0.026 ( 75) | 2.022 ± 0.148 ( 75) | 9.897 ± 0.815 ( 75) | 50.011 ± 3.398 ( 75) |
| 7 | 0.346 ± 0.022 ( 75) | 1.893 ± 0.121 ( 75) | 9.443 ± 0.746 ( 72) | 46.872 ± 3.073 ( 75) |
| 8 | 0.393 ± 0.027 ( 75) | 1.921 ± 0.126 ( 75) | 10.084 ± 0.978 ( 75) | 49.693 ± 3.275 ( 75) |
| 9 | 0.443 ± 0.028 ( 75) | 2.145 ± 0.130 ( 75) | 11.143 ± 0.921 ( 75) | 52.105 ± 3.421 ( 75) |
| 10 | 0.438 ± 0.028 ( 75) | 2.066 ± 0.135 ( 72) | 9.627 ± 0.699 ( 72) | 50.316 ± 3.212 ( 75) |
| 11 | 0.359 ± 0.020 ( 75) | 1.872 ± 0.121 ( 75) | 9.676 ± 0.726 ( 75) | 48.299 ± 3.841 ( 72) |
| 12 | 0.385 ± 0.022 ( 75) | 1.718 ± 0.138 ( 75) | 9.223 ± 0.694 ( 75) | 46.082 ± 2.922 ( 75) |
| 13 | 0.379 ± 0.020 ( 75) | 1.921 ± 0.107 ( 75) | 9.895 ± 0.716 ( 75) | 48.544 ± 3.083 ( 75) |
| 15 | 0.419 ± 0.023 ( 75) | 2.099 ± 0.126 ( 75) | 10.213 ± 0.698 ( 75) | 50.633 ± 3.321 ( 75) |
| 17 | 0.399 ± 0.024 ( 75) | 1.926 ± 0.106 ( 75) | 9.721 ± 0.759 ( 75) | 48.300 ± 4.986 ( 75) |

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 19 | 0.388 ± 0.021 ( 75) | 1.986 ± 0.106 ( 75) | 9.724 ± 0.667 ( 75) | 49.506 ± 3.555 ( 75) |
| 21 | 0.382 ± 0.020 ( 75) | 1.997 ± 0.102 ( 75) | 10.192 ± 0.689 ( 75) | 50.266 ± 2.953 ( 75) |
| 23 | 0.426 ± 0.029 ( 75) | 2.038 ± 0.108 ( 74) | 10.402 ± 0.733 ( 75) | 53.055 ± 3.702 ( 75) |
| 25 | 0.364 ± 0.020 ( 74) | 1.898 ± 0.120 ( 75) | 9.277 ± 0.673 ( 75) | 45.827 ± 2.646 ( 75) |
| 27 | 0.405 ± 0.022 ( 68) | 2.052 ± 0.164 ( 68) | 10.288 ± 0.707 ( 68) | 50.747 ± 3.052 ( 68) |
| 29 | 0.401 ± 0.034 ( 65) | 2.034 ± 0.126 ( 65) | 9.943 ± 0.762 ( 65) | 51.536 ± 3.363 ( 65) |
| 31 | 0.401 ± 0.026 ( 65) | 1.982 ± 0.108 ( 65) | 10.324 ± 0.695 ( 65) | 50.809 ± 3.270 ( 65) |
| 33 | 0.407 ± 0.030 ( 65) | 1.979 ± 0.123 ( 65) | 9.665 ± 0.706 ( 65) | 49.879 ± 3.439 ( 65) |
| 35 | 0.399 ± 0.024 ( 65) | 1.979 ± 0.116 ( 65) | 10.033 ± 0.656 ( 65) | 49.607 ± 3.564 ( 65) |
| 37 | 0.395 ± 0.023 ( 65) | 2.022 ± 0.212 ( 65) | 9.808 ± 0.828 ( 65) | 50.443 ± 3.252 ( 65) |
| 39 | 0.398 ± 0.025 ( 65) | 2.015 ± 0.133 ( 65) | 10.281 ± 0.790 ( 65) | 49.824 ± 3.420 ( 65) |
| 41 | 0.395 ± 0.028 ( 65) | 1.995 ± 0.179 ( 65) | 9.665 ± 0.654 ( 65) | 49.356 ± 3.437 ( 65) |
| 43 | 0.380 ± 0.023 ( 65) | 1.846 ± 0.128 ( 65) | 9.841 ± 0.666 ( 65) | 50.351 ± 3.438 ( 65) |
| 45 | 0.375 ± 0.052 ( 65) | 2.088 ± 0.278 ( 62) | 9.036 ± 1.824 ( 65) | 47.636 ± 5.764 ( 59) |
| 47 | 0.463 ± 0.050 ( 65) | 1.946 ± 0.157 ( 64) | 12.220 ± 1.169 ( 65) | 56.044 ± 7.454 ( 65) |

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 49 | 0.366 ± 0.021 ( 64) | 1.917 ± 0.138 ( 64) | 8.426 ± 0.626 ( 65) | 45.419 ± 3.194 ( 65) |
| 51 | 0.429 ± 0.035 ( 64) | 2.097 ± 0.174 ( 64) | 11.095 ± 0.757 ( 65) | 51.726 ± 3.570 ( 65) |
| 53 | 0.395 ± 0.024 ( 57) | 2.051 ± 0.130 ( 57) | 9.895 ± 0.671 ( 58) | 51.104 ± 3.623 ( 58) |
| 55 | 0.402 ± 0.025 ( 54) | 2.000 ± 0.167 ( 54) | 9.867 ± 0.602 ( 54) | 49.647 ± 4.338 ( 55) |
| 57 | 0.386 ± 0.044 ( 54) | 1.897 ± 0.184 ( 53) | 9.831 ± 0.801 ( 54) | 49.428 ± 4.001 ( 55) |
| 59 | 0.374 ± 0.024 ( 54) | 1.958 ± 0.137 ( 54) | 9.707 ± 0.654 ( 54) | 50.868 ± 4.019 ( 55) |
| 61 | 0.403 ± 0.026 ( 54) | 1.953 ± 0.146 ( 54) | 9.587 ± 0.811 ( 54) | 46.588 ± 3.692 ( 55) |
| 63 | 0.404 ± 0.023 ( 54) | 1.994 ± 0.197 ( 54) | 10.262 ± 0.719 ( 54) | 52.666 ± 3.795 ( 55) |
| 65 | 0.397 ± 0.024 ( 54) | 1.959 ± 0.181 ( 54) | 9.985 ± 0.731 ( 53) | 50.471 ± 4.840 ( 55) |
| 67 | 0.381 ± 0.026 ( 54) | 1.923 ± 0.137 ( 53) | 9.511 ± 0.640 ( 53) | 48.096 ± 3.266 ( 54) |
| 69 | 0.404 ± 0.032 ( 53) | 1.951 ± 0.127 ( 53) | 9.622 ± 0.771 ( 53) | 48.849 ± 4.717 ( 54) |
| 71 | 0.411 ± 0.032 ( 53) | 2.065 ± 0.131 ( 53) | 10.112 ± 0.696 ( 53) | 49.143 ± 3.893 ( 54) |
| 73 | 0.370 ± 0.037 ( 52) | 1.975 ± 0.124 ( 53) | 9.848 ± 0.734 ( 53) | 52.519 ± 4.362 ( 54) |
| 75 | 0.412 ± 0.034 ( 51) | 2.005 ± 0.220 ( 53) | 10.005 ± 0.729 ( 53) | 51.833 ± 6.801 ( 53) |
| 77 | 0.400 ± 0.049 ( 52) | 1.970 ± 0.178 ( 52) | 9.497 ± 0.912 ( 53) | 49.777 ± 3.355 ( 53) |

Table 1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 79 | 0.420 ± 0.037 ( 48) | 1.971 ± 0.232 ( 52) | 9.693 ± 1.114 ( 52) | 48.535 ± 2.950 ( 53) |
| 81 | 0.385 ± 0.043 ( 49) | 2.124 ± 0.249 ( 49) | 10.043 ± 0.871 ( 51) | 51.490 ± 3.367 ( 53) |
| 83 | 0.375 ± 0.051 ( 48) | 1.863 ± 0.216 ( 49) | 9.438 ± 1.040 ( 50) | 47.408 ± 2.789 ( 53) |
| 85 | 0.408 ± 0.101 ( 48) | 1.900 ± 0.274 ( 48) | 9.953 ± 1.526 ( 49) | 50.797 ± 4.237 ( 53) |
| 87 | 0.415 ± 0.049 ( 43) | 1.940 ± 0.319 ( 46) | 9.983 ± 1.136 ( 49) | 51.241 ± 5.460 ( 53) |
| 89 | 0.375 ± 0.064 ( 43) | 2.017 ± 0.339 ( 43) | 9.080 ± 1.434 ( 49) | 48.952 ± 4.513 ( 52) |
| 91 | 0.371 ± 0.068 ( 42) | 1.823 ± 0.386 ( 43) | 10.007 ± 1.383 ( 47) | 48.439 ± 4.404 ( 52) |
| 93 | 0.383 ± 0.057 ( 41) | 2.097 ± 0.348 ( 37) | 8.787 ± 2.079 ( 46) | 47.533 ± 4.708 ( 51) |
| 95 | 0.390 ± 0.074 ( 39) | 1.938 ± 0.295 ( 37) | 10.383 ± 1.603 ( 43) | 51.314 ± 5.692 ( 51) |
| 97 | 0.365 ± 0.080 ( 38) | 1.929 ± 0.273 ( 35) | 9.295 ± 1.738 ( 42) | 51.973 ± 6.550 ( 49) |
| 99 | 0.401 ± 0.065 ( 35) | 1.886 ± 0.365 ( 33) | 9.464 ± 2.250 ( 41) | 49.602 ± 6.263 ( 47) |
| 101 | 0.350 ± 0.064 ( 35) | 1.921 ± 0.417 ( 32) | 9.990 ± 1.918 ( 36) | 45.687 ± 6.505 ( 45) |
| 103 | 0.371 ± 0.103 ( 34) | 1.958 ± 0.572 ( 30) | 9.138 ± 2.690 ( 34) | 54.756 ±10.427 ( 43) |
| 104 | 0.399 ± 0.113 ( 29) | 2.201 ± 0.443 ( 24) | 9.723 ± 2.311 ( 29) | 57.188 ±11.849 ( 40) |

COMBINED DOSAGE MEASUREMENTS ACROSS TIME (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| SEX GROUP | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| MALES | 0.392 ± 0.046 (3538) | 1.975 ± 0.207 (3518) | 9.864 ± 1.178 (3584) | 49.736 ± 4.883 (3669) |
| FEMALES | 0.394 ± 0.046 (3606) | 1.970 ± 0.212 (3641) | 9.908 ± 1.085 (3710) | 49.245 ± 4.628 (3715) |
| COMBINED | 0.393 ± 0.046 (7144) | 1.972 ± 0.209 (7159) | 9.886 ± 1.132 (7294) | 49.489 ± 4.763 (7384) |

Table 2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 1 | 0.382 ± 0.031 ( 75) | 1.914 ± 0.168 ( 75) | 9.540 ± 0.882 ( 75) | 46.801 ± 4.226 ( 75) |
| 2 | 0.338 ± 0.027 ( 75) | 1.801 ± 0.133 ( 75) | 9.219 ± 0.817 ( 75) | 44.436 ± 3.344 ( 75) |
| 3 | 0.379 ± 0.030 ( 75) | 1.925 ± 0.140 ( 69) | 9.685 ± 0.774 ( 75) | 48.263 ± 3.205 ( 75) |
| 4 | 0.352 ± 0.022 ( 75) | 2.004 ± 0.126 ( 75) | 9.576 ± 0.656 ( 75) | 48.098 ± 3.706 ( 75) |
| 5 | 0.413 ± 0.028 ( 75) | 1.790 ± 0.125 ( 72) | 9.836 ± 0.737 ( 75) | 48.427 ± 2.607 ( 75) |
| 6 | 0.403 ± 0.027 ( 75) | 2.024 ± 0.149 ( 75) | 10.219 ± 1.127 ( 72) | 48.824 ± 2.305 ( 75) |
| 7 | 0.374 ± 0.027 ( 75) | 1.958 ± 0.145 ( 75) | 9.591 ± 0.810 ( 75) | 48.091 ± 2.709 ( 75) |
| 8 | 0.383 ± 0.042 ( 75) | 1.978 ± 0.134 ( 75) | 9.687 ± 0.889 ( 75) | 48.560 ± 8.645 ( 75) |
| 9 | 0.430 ± 0.031 ( 75) | 2.091 ± 0.143 ( 75) | 10.609 ± 0.833 ( 72) | 52.066 ± 3.516 ( 72) |
| 10 | 0.367 ± 0.026 ( 75) | 1.943 ± 0.126 ( 75) | 9.390 ± 0.793 ( 72) | 49.581 ± 2.873 ( 75) |
| 11 | 0.404 ± 0.030 ( 75) | 1.955 ± 0.168 ( 72) | 9.782 ± 0.738 ( 75) | 47.880 ± 2.805 ( 75) |
| 12 | 0.387 ± 0.029 ( 75) | 1.908 ± 0.171 ( 75) | 9.627 ± 0.752 ( 75) | 46.924 ± 2.886 ( 75) |
| 13 | 0.372 ± 0.024 ( 75) | 1.947 ± 0.134 ( 75) | 9.385 ± 0.705 ( 75) | 49.261 ± 2.470 ( 75) |
| 15 | 0.425 ± 0.030 ( 75) | 2.155 ± 0.149 ( 75) | 10.570 ± 0.816 ( 72) | 52.133 ± 2.492 ( 72) |
| 17 | 0.403 ± 0.029 ( 75) | 1.849 ± 0.121 ( 75) | 9.428 ± 0.709 ( 75) | 46.053 ± 2.556 ( 75) |

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 19 | 0.385 ± 0.026 ( 74) | 1.998 ± 0.129 ( 75) | 10.065 ± 0.809 ( 75) | 48.728 ± 2.664 ( 75) |
| 21 | 0.382 ± 0.026 ( 74) | 2.012 ± 0.159 ( 75) | 10.148 ± 0.721 ( 75) | 53.090 ± 2.693 ( 75) |
| 23 | 0.406 ± 0.028 ( 74) | 2.249 ± 0.181 ( 75) | 10.785 ± 0.855 ( 75) | 51.538 ± 3.130 ( 75) |
| 25 | 0.377 ± 0.030 ( 74) | 1.787 ± 0.182 ( 75) | 8.943 ± 0.803 ( 75) | 45.686 ± 2.890 ( 75) |
| 27 | 0.435 ± 0.039 ( 67) | 2.159 ± 0.203 ( 68) | 10.690 ± 0.988 ( 69) | 50.946 ± 3.304 ( 68) |
| 29 | 0.398 ± 0.034 ( 64) | 1.941 ± 0.145 ( 65) | 10.454 ± 0.816 ( 65) | 54.294 ± 3.333 ( 65) |
| 31 | 0.398 ± 0.033 ( 62) | 2.064 ± 0.149 ( 65) | 9.568 ± 0.784 ( 65) | 47.990 ± 3.540 ( 63) |
| 33 | 0.409 ± 0.038 ( 64) | 2.041 ± 0.131 ( 65) | 10.114 ± 0.871 ( 64) | 51.048 ± 2.993 ( 65) |
| 35 | 0.423 ± 0.062 ( 64) | 1.984 ± 0.121 ( 65) | 9.557 ± 0.759 ( 65) | 49.599 ± 2.550 ( 65) |
| 37 | 0.399 ± 0.040 ( 64) | 1.991 ± 0.189 ( 62) | 10.425 ± 0.961 ( 65) | 51.243 ± 2.797 ( 65) |
| 39 | 0.411 ± 0.039 ( 64) | 2.036 ± 0.216 ( 65) | 10.146 ± 0.930 ( 65) | 49.633 ± 3.027 ( 65) |
| 41 | 0.409 ± 0.034 ( 64) | 2.014 ± 0.163 ( 65) | 9.964 ± 0.888 ( 65) | 50.236 ± 3.219 ( 65) |
| 43 | 0.386 ± 0.035 ( 64) | 1.880 ± 0.151 ( 65) | 9.442 ± 0.774 ( 65) | 48.304 ± 3.020 ( 65) |
| 45 | 0.378 ± 0.047 ( 64) | 2.025 ± 0.188 ( 65) | 10.058 ± 1.235 ( 65) | 47.088 ± 8.791 ( 65) |
| 47 | 0.432 ± 0.050 ( 64) | 2.022 ± 0.251 ( 62) | 9.912 ± 1.190 ( 65) | 55.197 ± 6.432 ( 65) |

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 49 | 0.373 ± 0.036 ( 64) | 1.886 ± 0.159 ( 65) | 9.805 ± 0.924 ( 65) | 44.984 ± 2.656 ( 65) |
| 51 | 0.450 ± 0.048 ( 64) | 2.110 ± 0.169 ( 65) | 10.764 ± 1.057 ( 65) | 55.592 ± 3.988 ( 65) |
| 53 | 0.410 ± 0.037 ( 58) | 2.005 ± 0.145 ( 58) | 10.151 ± 0.979 ( 59) | 49.742 ± 3.256 ( 57) |
| 55 | 0.415 ± 0.037 ( 54) | 1.984 ± 0.165 ( 55) | 10.068 ± 0.883 ( 55) | 49.475 ± 4.958 ( 55) |
| 57 | 0.393 ± 0.043 ( 53) | 1.823 ± 0.170 ( 55) | 9.379 ± 0.868 ( 55) | 47.905 ± 3.478 ( 55) |
| 59 | 0.368 ± 0.033 ( 54) | 1.904 ± 0.157 ( 55) | 9.636 ± 0.874 ( 55) | 48.076 ± 3.200 ( 55) |
| 61 | 0.412 ± 0.035 ( 54) | 2.007 ± 0.169 ( 55) | 10.069 ± 0.922 ( 55) | 47.876 ± 3.475 ( 55) |
| 63 | 0.421 ± 0.037 ( 54) | 1.971 ± 0.166 ( 55) | 9.841 ± 1.092 ( 55) | 49.284 ± 3.469 ( 55) |
| 65 | 0.361 ± 0.032 ( 54) | 1.990 ± 0.226 ( 55) | 10.146 ± 1.039 ( 55) | 52.412 ± 3.277 ( 55) |
| 67 | 0.391 ± 0.048 ( 54) | 1.878 ± 0.162 ( 55) | 9.752 ± 0.979 ( 55) | 47.833 ± 3.284 ( 55) |
| 69 | 0.358 ± 0.043 ( 53) | 1.900 ± 0.209 ( 55) | 9.164 ± 0.981 ( 55) | 45.578 ± 2.955 ( 55) |
| 71 | 0.413 ± 0.043 ( 53) | 2.077 ± 0.268 ( 54) | 11.138 ± 1.238 ( 55) | 50.581 ± 2.896 ( 55) |
| 73 | 0.366 ± 0.044 ( 53) | 1.909 ± 0.179 ( 54) | 9.585 ± 1.087 ( 55) | 49.052 ± 2.971 ( 55) |
| 75 | 0.431 ± 0.044 ( 53) | 2.040 ± 0.185 ( 54) | 10.533 ± 1.136 ( 55) | 53.166 ± 6.764 ( 55) |
| 77 | 0.378 ± 0.045 ( 52) | 1.877 ± 0.156 ( 53) | 9.602 ± 0.944 ( 55) | 49.438 ± 3.125 ( 55) |

Table 2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE ACTUAL DOSES RECEIVED (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| 79 | 0.430 ± 0.042 ( 51) | 2.119 ± 0.277 ( 53) | 10.075 ± 1.097 ( 55) | 49.295 ± 3.625 ( 55) |
| 81 | 0.365 ± 0.039 ( 51) | 1.803 ± 0.174 ( 53) | 9.777 ± 1.008 ( 55) | 49.287 ± 4.440 ( 55) |
| 83 | 0.410 ± 0.043 ( 51) | 2.120 ± 0.182 ( 53) | 10.351 ± 0.983 ( 54) | 48.490 ± 3.358 ( 54) |
| 85 | 0.417 ± 0.046 ( 51) | 1.990 ± 0.250 ( 53) | 10.166 ± 1.197 ( 54) | 49.806 ± 3.575 ( 54) |
| 87 | 0.378 ± 0.045 ( 50) | 2.005 ± 0.276 ( 51) | 10.459 ± 1.203 ( 54) | 48.838 ± 3.777 ( 54) |
| 89 | 0.376 ± 0.060 ( 50) | 1.883 ± 0.217 ( 50) | 9.490 ± 1.004 ( 54) | 48.410 ± 3.321 ( 54) |
| 91 | 0.391 ± 0.058 ( 48) | 2.022 ± 0.282 ( 50) | 10.240 ± 1.186 ( 54) | 49.993 ± 4.435 ( 54) |
| 93 | 0.379 ± 0.053 ( 48) | 1.849 ± 0.276 ( 50) | 9.680 ± 1.247 ( 53) | 48.119 ± 5.478 ( 53) |
| 95 | 0.370 ± 0.077 ( 47) | 1.928 ± 0.362 ( 48) | 10.010 ± 1.341 ( 52) | 50.250 ± 5.324 ( 53) |
| 97 | 0.398 ± 0.064 ( 46) | 2.004 ± 0.297 ( 46) | 9.329 ± 1.154 ( 51) | 47.816 ± 4.398 ( 52) |
| 99 | 0.404 ± 0.064 ( 43) | 1.886 ± 0.247 ( 43) | 9.828 ± 1.439 ( 51) | 47.135 ± 5.951 ( 52) |
| 101 | 0.413 ± 0.043 ( 41) | 1.792 ± 0.273 ( 43) | 9.665 ± 1.730 ( 50) | 47.268 ± 5.837 ( 50) |
| 103 | 0.382 ± 0.045 ( 40) | 1.910 ± 0.290 ( 42) | 9.972 ± 1.717 ( 48) | 51.392 ± 7.117 ( 48) |
| 104 | 0.356 ± 0.051 ( 36) | 1.938 ± 0.305 ( 38) | 9.822 ± 1.883 ( 45) | 49.616 ± 7.011 ( 45) |

COMBINED DOSAGE MEASUREMENTS ACROSS TIME (mg/kg/day)
[MEAN AND STANDARD DEVIATION (n)]

| SEX GROUP | 0.4 mg/kg/day | 2.0 mg/kg/day | 10.0 mg/kg/day | 50.0 mg/kg/day |
|---|---|---|---|---|
| MALES | 0.392 ± 0.046 (3538) | 1.975 ± 0.207 (3518) | 9.864 ± 1.178 (3584) | 49.736 ± 4.883 (3669) |
| FEMALES | 0.394 ± 0.046 (3606) | 1.970 ± 0.212 (3641) | 9.908 ± 1.085 (3710) | 49.245 ± 4.628 (3715) |
| COMBINED | 0.393 ± 0.046 (7144) | 1.972 ± 0.209 (7159) | 9.886 ± 1.132 (7294) | 49.489 ± 4.763 (7384) |

TABLE 3

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE IN THE FISCHER 344 RAT.

TEST DIET CONCENTRATION OF TNT

| TEST WEEK | DOSE (mg/kg/day) | SEX | % INTENDED (I) | % ANALYZED (A) | % REL. SD | A/I x 100 | |
|---|---|---|---|---|---|---|---|
| 1 | 50.0 | M | 0.0511 | 0.0489 | 4.3 | 96 | |
| 1 | 2.0 | M | 0.0021 | 0.00178 | 12.7 | 85 | |
| 12 | 0.4 | F | 0.0007 | 0.00052 | 7.7 | 74 | |
| 12 | 10.0 | F | 0.0172 | 0.0134 | 5.2 | 78 | (85)* |
| 28 | 2.0 | F | 0.0044 | 0.00401 | 21.7 | 91 | |
| 28 | 50.0 | F | 0.1119 | 0.1046 | 3.6 | 93 | |
| 36 | 10.0 | M | 0.0245 | 0.0226 | 4.6 | 92 | |
| 36 | 0.4 | M | 0.0010 | 0.00067 | 17.9 | 67 | |
| 42 | 50.0 | M | 0.1201 | 0.1227 | 5.3 | 102 | |
| 42 | 2.0 | M | 0.0050 | 0.00497 | 10.7 | 99 | |
| 48 | 10.0 | F | 0.0206 | 0.0211 | 25.1 | 102 | |
| 48 | 0.4 | F | 0.0009 | 0.00062 | 19.4 | 69 | |
| 54 | 2.0 | F | 0.0040 | 0.00424 | 34.0 | 106 | (156)* |
| 54 | 50.0 | F | 0.0990 | 0.0979 | 6.7 | 99 | |
| 60 | 10.0 | M | 0.0256 | 0.0240 | 2.9 | 94 | (95)** |
| 60 | 0.4 | M | 0.0010 | 0.00089 | 22 5 | 89 | |
| 66 | 50.0 | M | 0.1321 | 0.1120 | 1.8 | 85 | (73)*** |
| 66 | 2.0 | M | 0.0055 | 0.00454 | 5.5 | 82 | |
| 72 | 10.0 | F | 0.0263 | 0.0241 | 6.2 | 92 | |
| 72 | 0.4 | F | 0.0010 | 0.00078 | 20.5 | 78 | (68)*** |
| 78 | 50.0 | F | 0.1096 | 0.0982 | 1.7 | 90 | |
| 78 | 2.0 | F | 0.0044 | 0.00401 | 16.0 | 91 | |
| 84 | 10.0 | M | 0.0268 | 0.0261 | 1.9 | 97 | |
| 84 | 0.4 | M | 0.0011 | 0.00097 | 8.2 | 88 | |
| 90 | 50.0 | M | 0.1260 | 0.1223 | 4.3 | 97 | |
| 90 | 2.0 | M | 0.0056 | 0.00526 | 5.9 | 94 | |
| 95 | 10.0 | F | 0.0233 | 0.0220 | 3.6 | 94 | |
| 95 | 0.4 | F | 0.0009 | 0.00093 | 29.0 | 103 | |
| 101 | 2.0 | F | 0.0046 | 0.00489 | 3.9 | 106 | |
| 101 | 50.0 | F | 0.1118 | 0.1087 | 2.8 | 97 | |
| 101 | 0.0 | M/F | 0.0000 | 0.0000**** | | | |
| 101 | 0.0 | M/F | 0.0000 | 0.0000*** | | | |
| 104 | 0.4 | M | 0.0011 | 0.00108 | 5.6 | 98 | |
| 104 | 10.0 | M | 0.0262 | 0.0246 | 2.4 | 94 | |

* Sample stability tests

** Extract stability test.

*** Diet stability test after one week in the animal cages.

**** Control diet samples taken before given to the animals.

TABLE 4

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

MEAN SURVIVAL TIME*

| DOSE (mg/kg/day) | SEX | MEAN SURVIVAL TIME (WEEKS) |
|---|---|---|
| 0.0 | M | 99.4 ± 1.3 |
| | F | 100.1 ± 1.4 |
| 0.4 | M | 96.8 ± 1.6 |
| | F | 99.2 ± 1.6 |
| 2.0 | M | 96.1 ± 1.6 |
| | F | 100.8 ± 1.0 |
| 10.0 | M | 98.4 ± 1.4 |
| | F | 102.8 ± 0.6 |
| 50.0 | M | 101.3 ± 1.0 |
| | F | 102.9 ± 0.5 |

* No significant differences among control and treatment groups, $p<0.05$.

# Table 5

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| -2 | 102.9 ± 15.0 ( 75) | 103.0 ± 16.1 ( 75) | 103.8 ± 14.6 ( 75) | 105.0 ± 14.3 ( 75) | 102.7 ± 14.0 ( 75) |
| 1 | 128.7 ± 15.6 ( 75) | 130.1 ± 16.3 ( 75) | 129.5 ± 15.1 ( 75) | 128.3 ± 19.5 ( 75) | 127.3 ± 15.4 ( 75) |
| 1 | 159.9 ± 18.2 ( 75) | 161.7 ± 19.6 ( 75) | 163.0 ± 18.1 ( 75) | 162.9 ± 16.8 ( 75) | 157.1 ± 17.7 ( 75) |
| 2 | 191.6 ± 18.5 ( 75) | 193.1 ± 19.1 ( 75) | 193.0 ± 18.0 ( 75) | 189.5 ± 18.2 ( 75) | 185.5 ± 17.7 ( 75) |
| 3 | 217.2 ± 17.8 ( 75) | 214.9 ± 21.1 ( 75) | 217.3 ± 17.1 ( 75) | 212.9 ± 18.6 ( 75) | 205.6 ± 17.7 ( 75)* |
| 4 | 238.6 ± 17.7 ( 75) | 238.4 ± 19.6 ( 75) | 237.9 ± 17.1 ( 75) | 233.7 ± 19.1 ( 75) | 224.4 ± 18.0 ( 75)* |
| 5 | 255.7 ± 18.6 ( 75) | 255.9 ± 20.1 ( 75) | 254.0 ± 17.4 ( 75) | 249.5 ± 20.4 ( 75) | 239.3 ± 18.0 ( 75)* |
| 6 | 270.0 ± 19.4 ( 75) | 270.0 ± 19.8 ( 75) | 267.7 ± 17.6 ( 75) | 262.7 ± 20.4 ( 75)* | 250.3 ± 18.6 ( 75)* |
| 7 | 279.4 ± 21.3 ( 75) | 283.1 ± 20.2 ( 75) | 280.3 ± 17.4 ( 75) | 274.0 ± 21.0 ( 75) | 260.2 ± 18.6 ( 75)* |
| 8 | 293.1 ± 20.3 ( 75) | 295.7 ± 20.4 ( 75) | 291.8 ± 18.7 ( 75) | 285.4 ± 22.9 ( 75)* | 268.9 ± 19.6 ( 75)* |
| 9 | 304.1 ± 20.4 ( 75) | 306.2 ± 20.2 ( 75) | 303.0 ± 18.0 ( 75) | 295.4 ± 22.3 ( 75)* | 277.6 ± 19.2 ( 75)* |
| 10 | 312.9 ± 20.7 ( 75) | 313.8 ± 20.3 ( 75) | 311.4 ± 17.1 ( 75) | 302.8 ± 22.3 ( 75)* | 284.9 ± 19.6 ( 75)* |
| 11 | 321.5 ± 22.7 ( 75) | 323.0 ± 20.6 ( 75) | 319.8 ± 17.1 ( 75) | 311.8 ± 23.1 ( 75)* | 292.7 ± 19.9 ( 75)* |
| 12 | 330.9 ± 21.0 ( 75) | 331.8 ± 20.7 ( 75) | 328.3 ± 17.4 ( 75) | 320.2 ± 23.8 ( 75)* | 299.4 ± 19.1 ( 75)* |
| 13 | 337.1 ± 20.5 ( 75) | 338.5 ± 20.0 ( 75) | 335.8 ± 17.4 ( 75) | 326.2 ± 23.8 ( 75)* | 303.2 ± 21.0 ( 75)* |
| 15 | 344.6 ± 22.1 ( 75) | 346.9 ± 20.5 ( 75) | 344.3 ± 17.2 ( 75) | 335.0 ± 24.0 ( 75)* | 311.0 ± 20.7 ( 75)* |
| 17 | 357.2 ± 22.0 ( 75) | 360.5 ± 19.8 ( 75) | 357.0 ± 17.7 ( 75) | 349.3 ± 24.7 ( 75)* | 322.5 ± 21.6 ( 75)* |
| 19 | 367.6 ± 22.8 ( 75) | 369.3 ± 20.7 ( 75) | 365.1 ± 18.6 ( 75) | 357.5 ± 25.6 ( 75)* | 327.8 ± 20.9 ( 75)* |
| 21 | 376.9 ± 23.2 ( 75) | 378.4 ± 22.3 ( 75) | 374.6 ± 18.9 ( 75) | 364.2 ± 25.4 ( 75)* | 334.7 ± 21.5 ( 75)* |
| 23 | 383.8 ± 24.7 ( 75) | 386.1 ± 22.4 ( 75) | 382.1 ± 18.7 ( 74) | 370.3 ± 26.1 ( 75)* | 340.1 ± 21.7 ( 75)* |
| 25 | 390.0 ± 24.5 ( 75) | 393.0 ± 23.4 ( 74) | 389.0 ± 18.7 ( 75) | 377.6 ± 25.1 ( 75)* | 346.8 ± 22.1 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 5 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27 | 394.3 ± 24.9 ( 69) | 397.3 ± 23.2 ( 68) | 392.1 ± 17.8 ( 68) | 379.2 ± 26.6 ( 68)* | 348.4 ± 22.3 ( 68)* |
| 29 | 403.7 ± 24.7 ( 65) | 405.3 ± 23.9 ( 65) | 401.4 ± 19.9 ( 65) | 386.9 ± 27.1 ( 65)* | 354.0 ± 24.2 ( 65)* |
| 31 | 409.9 ± 25.3 ( 65) | 412.6 ± 24.8 ( 65) | 409.9 ± 19.8 ( 65) | 394.0 ± 29.1 ( 65)* | 360.0 ± 24.7 ( 65)* |
| 33 | 418.1 ± 26.9 ( 65) | 418.4 ± 24.2 ( 65) | 415.7 ± 20.6 ( 65) | 401.0 ± 28.5 ( 65)* | 365.9 ± 24.6 ( 65)* |
| 35 | 421.6 ± 27.4 ( 65) | 420.8 ± 25.9 ( 65) | 419.7 ± 21.6 ( 65) | 403.2 ± 28.3 ( 65)* | 367.5 ± 24.8 ( 65)* |
| 37 | 425.3 ± 28.0 ( 65) | 427.2 ± 24.6 ( 65) | 425.2 ± 21.0 ( 65) | 409.1 ± 29.2 ( 65)* | 374.0 ± 24.6 ( 65)* |
| 39 | 430.8 ± 24.8 ( 64) | 429.6 ± 24.7 ( 65) | 428.8 ± 20.8 ( 65) | 410.4 ± 28.8 ( 65)* | 376.1 ± 25.4 ( 65)* |
| 41 | 433.7 ± 24.6 ( 64) | 431.9 ± 24.3 ( 65) | 429.3 ± 21.2 ( 65) | 411.8 ± 28.7 ( 65)* | 376.6 ± 25.8 ( 65)* |
| 43 | 441.7 ± 26.3 ( 64) | 438.4 ± 24.6 ( 65) | 437.0 ± 22.6 ( 65) | 418.2 ± 29.2 ( 65)* | 381.2 ± 26.3 ( 65)* |
| 45 | 435.3 ± 32.5 ( 64) | 433.8 ± 26.6 ( 65) | 424.8 ± 26.9 ( 65) | 407.8 ± 29.1 ( 65)* | 372.7 ± 29.2 ( 65)* |
| 47 | 430.2 ± 27.0 ( 64) | 427.2 ± 26.4 ( 65) | 428.4 ± 21.8 ( 64) | 405.9 ± 28.4 ( 65)* | 361.4 ± 25.0 ( 65)* |
| 49 | 442.0 ± 26.8 ( 64) | 436.6 ± 24.6 ( 64) | 437.9 ± 20.3 ( 64) | 419.1 ± 28.9 ( 65)* | 378.5 ± 24.1 ( 65)* |
| 51 | 447.3 ± 28.0 ( 64) | 442.6 ± 25.5 ( 64) | 441.9 ± 21.0 ( 64) | 424.0 ± 29.6 ( 65)* | 386.8 ± 25.0 ( 65)* |
| 53 | 446.2 ± 27.9 ( 58) | 441.3 ± 22.9 ( 57) | 441.9 ± 22.1 ( 57) | 422.2 ± 28.3 ( 58)* | 386.7 ± 26.3 ( 58)* |
| 55 | 448.5 ± 28.3 ( 54) | 445.5 ± 23.4 ( 54) | 447.2 ± 22.5 ( 54) | 428.2 ± 26.3 ( 54)* | 387.1 ± 25.2 ( 55)* |
| 57 | 453.8 ± 29.6 ( 54) | 449.8 ± 23.6 ( 54) | 451.9 ± 21.7 ( 54) | 432.0 ± 27.0 ( 54)* | 390.1 ± 26.0 ( 55)* |
| 59 | 455.9 ± 29.7 ( 54) | 454.2 ± 24.5 ( 54) | 454.0 ± 23.5 ( 54) | 432.9 ± 26.7 ( 54)* | 389.4 ± 27.2 ( 55)* |
| 61 | 461.6 ± 30.0 ( 54) | 459.4 ± 25.0 ( 54) | 459.9 ± 25.9 ( 54) | 435.9 ± 28.6 ( 54)* | 392.6 ± 27.9 ( 55)* |
| 63 | 461.1 ± 31.1 ( 54) | 459.8 ± 24.9 ( 54) | 457.3 ± 28.6 ( 54) | 434.5 ± 29.5 ( 54)* | 388.9 ± 27.5 ( 55)* |
| 65 | 463.0 ± 31.1 ( 54) | 459.3 ± 25.1 ( 54) | 456.4 ± 36.3 ( 54) | 435.8 ± 28.3 ( 53)* | 387.1 ± 33.5 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 5 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 | 464.8 ± 30.8 ( 54) | 461.1 ± 25.4 ( 54) | 461.9 ± 25.3 ( 53) | 439.7 ± 27.7 ( 53)* | 390.9 ± 26.7 ( 54)* |
| 69 | 466.5 ± 31.3 ( 54) | 461.8 ± 27.1 ( 53) | 460.5 ± 26.1 ( 53) | 439.9 ± 28.1 ( 53)* | 390.2 ± 26.8 ( 54)* |
| 71 | 463.2 ± 30.8 ( 54) | 458.9 ± 29.7 ( 53) | 458.6 ± 26.2 ( 53) | 436.6 ± 27.9 ( 53)* | 384.0 ± 28.7 ( 54)* |
| 73 | 462.9 ± 30.1 ( 54) | 462.1 ± 26.6 ( 52) | 459.4 ± 27.9 ( 53) | 436.0 ± 27.9 ( 53)* | 380.1 ± 31.8 ( 54)* |
| 75 | 462.7 ± 30.0 ( 54) | 459.6 ± 30.0 ( 52) | 457.2 ± 28.3 ( 53) | 434.9 ± 28.7 ( 53)* | 382.2 ± 20.8 ( 53)* |
| 77 | 458.6 ± 29.8 ( 54) | 455.3 ± 29.6 ( 52) | 450.4 ± 34.2 ( 52) | 431.7 ± 28.7 ( 53)* | 378.5 ± 21.3 ( 53)* |
| 79 | 453.7 ± 30.0 ( 54) | 450.7 ± 31.4 ( 50) | 445.3 ± 38.9 ( 52) | 426.0 ± 30.7 ( 52)* | 374.7 ± 19.9 ( 53)* |
| 81 | 449.9 ± 29.0 ( 54) | 446.5 ± 36.5 ( 49) | 446.8 ± 30.0 ( 49) | 424.5 ± 31.5 ( 51)* | 374.5 ± 18.9 ( 53)* |
| 83 | 448.1 ± 30.7 ( 53) | 446.1 ± 32.4 ( 48) | 442.9 ± 37.3 ( 49) | 425.8 ± 29.1 ( 50)* | 373.2 ± 19.6 ( 53)* |
| 85 | 449.5 ± 33.2 ( 52) | 434.3 ± 52.7 ( 48) | 439.4 ± 37.7 ( 48) | 425.0 ± 30.5 ( 49)* | 367.2 ± 21.5 ( 53)* |
| 87 | 447.1 ± 32.8 ( 51) | 446.3 ± 29.4 ( 43) | 435.6 ± 44.3 ( 46) | 420.9 ± 29.1 ( 49)* | 364.4 ± 25.3 ( 53)* |
| 89 | 445.4 ± 36.5 ( 50) | 438.2 ± 34.1 ( 43) | 434.3 ± 40.9 ( 43) | 417.7 ± 31.3 ( 49)* | 362.0 ± 23.0 ( 52)* |
| 91 | 441.3 ± 46.9 ( 50) | 435.0 ± 34.3 ( 42) | 427.5 ± 52.8 ( 43) | 412.0 ± 32.7 ( 47)* | 361.1 ± 27.4 ( 52)* |
| 93 | 441.4 ± 49.5 ( 48) | 427.3 ± 44.9 ( 41) | 437.8 ± 35.8 ( 37) | 404.1 ± 38.8 ( 46)* | 358.3 ± 20.9 ( 51)* |
| 95 | 443.0 ± 48.4 ( 45) | 427.9 ± 41.0 ( 39) | 433.4 ± 38.6 ( 37) | 402.7 ± 41.2 ( 43)* | 349.4 ± 31.3 ( 51)* |
| 97 | 430.9 ± 62.1 ( 43) | 419.6 ± 53.3 ( 38) | 431.9 ± 41.9 ( 35) | 399.0 ± 41.3 ( 42)* | 345.8 ± 32.0 ( 49)* |
| 99 | 425.2 ± 37.8 ( 39) | 426.1 ± 38.6 ( 35) | 423.5 ± 44.6 ( 33) | 389.7 ± 44.6 ( 41)* | 342.5 ± 29.7 ( 47)* |
| 101 | 414.7 ± 40.7 ( 37) | 422.5 ± 47.6 ( 35) | 417.4 ± 51.7 ( 32) | 391.9 ± 39.1 ( 36)* | 339.0 ± 23.2 ( 45)* |
| 103 | 409.6 ± 38.4 ( 35) | 412.5 ± 49.9 ( 34) | 407.6 ± 51.9 ( 30) | 380.1 ± 53.6 ( 34)* | 325.9 ± 33.8 ( 43)* |
| 104 | 402.2 ± 44.2 ( 32) | 401.0 ± 58.5 ( 29) | 409.5 ± 42.1 ( 24) | 383.2 ± 51.8 ( 29) | 313.8 ± 40.1 ( 40)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 6

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 1-(-1) | 31.1 ± 8.9 ( 75) | 31.6 ± 8.3 ( 75) | 33.5 ± 7.3 ( 75) | 34.7 ± 14.7 ( 75)* | 29.8 ± 7.8 ( 75) |
| 2 (-1) | 62.9 ± 14.2 ( 75) | 63.0 ± 10.0 ( 75) | 63.4 ± 8.8 ( 75) | 61.3 ± 18.0 ( 75) | 58.2 ± 9.6 ( 75)* |
| 3-(-1) | 88.4 ± 12.2 ( 75) | 84.7 ± 15.6 ( 75) | 87.8 ± 9.9 ( 75) | 84.7 ± 19.6 ( 75) | 78.3 ± 11.0 ( 75)* |
| 4-(-1) | 109.9 ± 13.2 ( 75) | 108.2 ± 12.3 ( 75) | 108.4 ± 10.9 ( 75) | 105.5 ± 20.6 ( 75) | 97.1 ± 14.0 ( 75)* |
| 5-(-1) | 126.9 ± 15.6 ( 75) | 125.7 ± 13.9 ( 75) | 124.5 ± 12.2 ( 75) | 121.2 ± 21.8 ( 75)* | 112.0 ± 13.8 ( 75)* |
| 6 (-1) | 141.3 ± 16.8 ( 75) | 139.9 ± 14.1 ( 75) | 138.2 ± 12.4 ( 75) | 134.5 ± 22.8 ( 75)* | 123.0 ± 14.7 ( 75)* |
| 7-(-1) | 150.6 ± 20.4 ( 75) | 152.9 ± 14.5 ( 75) | 150.8 ± 13.4 ( 75) | 145.7 ± 23.5 ( 75) | 132.9 ± 14.8 ( 75)* |
| 8-(-1) | 164.4 ± 18.4 ( 75) | 165.5 ± 15.6 ( 75) | 162.3 ± 13.6 ( 75) | 157.2 ± 25.5 ( 75)* | 141.6 ± 16.0 ( 75)* |
| 9-(-1) | 175.4 ± 18.9 ( 75) | 176.0 ± 16.1 ( 75) | 173.4 ± 13.9 ( 75) | 167.1 ± 25.6 ( 75)* | 150.3 ± 16.3 ( 75)* |
| 10-(-1) | 184.1 ± 19.2 ( 75) | 183.7 ± 17.6 ( 75) | 181.9 ± 13.8 ( 75) | 174.5 ± 25.2 ( 75)* | 157.6 ± 17.4 ( 75)* |
| 11 (-1) | 192.8 ± 24.4 ( 75) | 192.9 ± 17.6 ( 75) | 190.3 ± 14.3 ( 75) | 183.5 ± 25.9 ( 75)* | 165.4 ± 17.9 ( 75)* |
| 12 (-1) | 202.2 ± 19.7 ( 75) | 201.6 ± 17.8 ( 75) | 198.8 ± 15.4 ( 75) | 192.0 ± 26.5 ( 75)* | 172.1 ± 17.9 ( 75)* |
| 13 (-1) | 208.4 ± 20.0 ( 75) | 208.3 ± 17.2 ( 75) | 206.2 ± 16.0 ( 75) | 197.9 ± 26.9 ( 75)* | 175.9 ± 18.7 ( 75)* |
| 15 (-1) | 215.9 ± 23.3 ( 75) | 216.7 ± 17.9 ( 75) | 214.8 ± 16.4 ( 75) | 206.7 ± 27.0 ( 75)* | 183.7 ± 19.4 ( 75)* |
| 17 (-1) | 228.5 ± 21.4 ( 75) | 230.4 ± 19.3 ( 75) | 227.5 ± 16.9 ( 75) | 221.1 ± 27.7 ( 75) | 195.2 ± 20.9 ( 75)* |
| 19 (-1) | 238.9 ± 21.4 ( 75) | 239.2 ± 18.9 ( 75) | 235.5 ± 17.1 ( 75) | 229.2 ± 29.0 ( 75)* | 200.5 ± 19.1 ( 75)* |
| 21 (-1) | 248.2 ± 21.9 ( 75) | 248.3 ± 20.3 ( 75) | 245.1 ± 18.1 ( 75) | 235.9 ± 28.3 ( 75)* | 207.4 ± 20.5 ( 75)* |
| 23 (-1) | 255.1 ± 23.3 ( 75) | 255.9 ± 20.3 ( 75) | 252.7 ± 18.1 ( 74) | 242.1 ± 29.1 ( 75)* | 212.8 ± 20.4 ( 75)* |
| 25 (-1) | 261.3 ± 23.6 ( 75) | 262.7 ± 21.2 ( 74) | 259.5 ± 18.3 ( 75) | 249.3 ± 28.4 ( 75)* | 219.5 ± 21.0 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 6 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27-(-1) | 264.8 ± 22.9 ( 69) | 266.9 ± 21.0 ( 68) | 262.0 ± 18.1 ( 68) | 252.4 ± 30.0 ( 68)* | 221.8 ± 21.4 ( 68)* |
| 29-(-1) | 274.1 ± 23.2 ( 65) | 275.0 ± 22.7 ( 65) | 271.1 ± 20.1 ( 65) | 259.4 ± 29.7 ( 65)* | 227.4 ± 23.0 ( 65)* |
| 31 (-1) | 280.2 ± 23.7 ( 65) | 282.4 ± 23.1 ( 65) | 279.6 ± 19.5 ( 65) | 266.5 ± 31.2 ( 65)* | 233.3 ± 23.8 ( 65)* |
| 33-(-1) | 288.5 ± 25.3 ( 65) | 288.1 ± 22.7 ( 65) | 285.4 ± 20.1 ( 65) | 273.4 ± 30.5 ( 65)* | 239.2 ± 23.2 ( 65)* |
| 35-(-1) | 291.9 ± 26.1 ( 65) | 290.5 ± 23.6 ( 65) | 289.5 ± 20.4 ( 65) | 275.7 ± 31.0 ( 65)* | 240.8 ± 22.6 ( 65)* |
| 37-(-1) | 295.7 ± 26.4 ( 65) | 296.9 ± 22.9 ( 65) | 294.9 ± 20.2 ( 65) | 281.6 ± 31.8 ( 65)* | 247.4 ± 23.0 ( 65)* |
| 39-(-1) | 300.9 ± 24.4 ( 64) | 299.3 ± 23.2 ( 65) | 298.6 ± 20.6 ( 65) | 282.9 ± 31.3 ( 65)* | 249.4 ± 23.7 ( 65)* |
| 41-(-1) | 303.8 ± 24.5 ( 64) | 301.6 ± 23.6 ( 65) | 299.0 ± 20.5 ( 65) | 284.3 ± 31.1 ( 65)* | 250.0 ± 24.5 ( 65)* |
| 43-(-1) | 311.8 ± 25.8 ( 64) | 308.1 ± 23.8 ( 65) | 306.8 ± 22.0 ( 65) | 290.7 ± 32.0 ( 65)* | 254.5 ± 23.6 ( 65)* |
| 45-(-1) | 305.4 ± 31.5 ( 64) | 303.5 ± 28.3 ( 65) | 294.5 ± 25.2 ( 65) | 280.2 ± 30.6 ( 65)* | 246.1 ± 29.8 ( 65)* |
| 47 (-1) | 300.3 ± 28.2 ( 64) | 296.9 ± 28.0 ( 65) | 297.9 ± 21.4 ( 64) | 278.4 ± 30.9 ( 65)* | 234.7 ± 25.1 ( 65)* |
| 49 (-1) | 312.1 ± 27.1 ( 64) | 306.5 ± 25.4 ( 64) | 307.3 ± 20.0 ( 64) | 291.5 ± 32.2 ( 65)* | 251.8 ± 23.6 ( 65)* |
| 51 (-1) | 317.3 ± 27.4 ( 64) | 312.6 ± 26.1 ( 64) | 311.4 ± 20.5 ( 64) | 296.5 ± 32.9 ( 65)* | 260.1 ± 24.0 ( 65)* |
| 53-(-1) | 315.7 ± 25.6 ( 58) | 311.8 ± 23.6 ( 57) | 310.8 ± 21.5 ( 57) | 296.6 ± 31.9 ( 58)* | 258.9 ± 25.1 ( 58)* |
| 55-(-1) | 317.5 ± 25.7 ( 54) | 316.3 ± 25.2 ( 54) | 316.3 ± 22.7 ( 54) | 302.3 ± 31.2 ( 54)* | 259.9 ± 24.6 ( 55)* |
| 57-(-1) | 322.7 ± 27.6 ( 54) | 320.6 ± 25.4 ( 54) | 321.0 ± 22.2 ( 54) | 306.1 ± 31.3 ( 54)* | 262.8 ± 25.1 ( 55)* |
| 59-(-1) | 324.8 ± 26.7 ( 54) | 325.0 ± 27.0 ( 54) | 323.1 ± 22.7 ( 54) | 307.0 ± 30.7 ( 54)* | 262.1 ± 26.7 ( 55)* |
| 61-(-1) | 330.6 ± 28.1 ( 54) | 330.3 ± 27.0 ( 54) | 329.0 ± 24.7 ( 54) | 310.0 ± 31.6 ( 54)* | 265.3 ± 27.4 ( 55)* |
| 63-(-1) | 330.1 ± 28.2 ( 54) | 330.6 ± 27.0 ( 54) | 326.4 ± 27.5 ( 54) | 308.6 ± 32.4 ( 54)* | 261.6 ± 27.5 ( 55)* |
| 65-(-1) | 331.9 ± 27.9 ( 54) | 330.1 ± 27.0 ( 54) | 325.5 ± 36.2 ( 54) | 310.2 ± 31.8 ( 53)* | 259.9 ± 33.6 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 6 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 (-1) | 333.8 ± 28.2 ( 54) | 331.9 ± 27.1 ( 54) | 331.1 ± 23.8 ( 53) | 314.0 ± 31.0 ( 53)* | 263.7 ± 25.3 ( 54)* |
| 69 (-1) | 335.5 ± 28.0 ( 54) | 332.7 ± 28.3 ( 53) | 329.7 ± 24.5 ( 53) | 314.2 ± 31.6 ( 53)* | 263.1 ± 24.5 ( 54)* |
| 71 (-1) | 332.2 ± 27.7 ( 54) | 329.7 ± 30.4 ( 53) | 327.8 ± 24.8 ( 53) | 310.9 ± 31.4 ( 53)* | 256.9 ± 26.6 ( 54)* |
| 73 (-1) | 331.8 ± 27.5 ( 54) | 332.6 ± 28.7 ( 52) | 328.6 ± 26.3 ( 53) | 310.4 ± 30.9 ( 53)* | 253.0 ± 29.3 ( 54)* |
| 75 (-1) | 331.6 ± 26.7 ( 54) | 330.1 ± 32.6 ( 52) | 326.4 ± 26.9 ( 53) | 309.2 ± 31.5 ( 53)* | 254.5 ± 21.3 ( 53)* |
| 77 (-1) | 327.6 ± 26.8 ( 54) | 325.8 ± 32.4 ( 52) | 320.1 ± 33.4 ( 52) | 306.0 ± 30.8 ( 53)* | 250.8 ± 22.1 ( 53)* |
| 79 (-1) | 322.7 ± 27.6 ( 54) | 321.7 ± 31.5 ( 50) | 315.0 ± 38.2 ( 52) | 300.2 ± 30.8 ( 52)* | 247.1 ± 20.6 ( 53)* |
| 81 (-1) | 318.9 ± 28.4 ( 54) | 317.3 ± 36.9 ( 49) | 316.6 ± 28.9 ( 49) | 298.5 ± 31.5 ( 51)* | 246.8 ± 20.7 ( 53)* |
| 83 (-1) | 317.2 ± 32.4 ( 53) | 317.3 ± 30.8 ( 48) | 312.7 ± 38.1 ( 49) | 299.0 ± 31.6 ( 50)* | 245.5 ± 21.1 ( 53)* |
| 85 (-1) | 319.2 ± 33.5 ( 52) | 305.4 ± 50.2 ( 48) | 309.5 ± 38.0 ( 48) | 297.8 ± 32.4 ( 49)* | 239.6 ± 24.0 ( 53)* |
| 87 (-1) | 317.0 ± 32.1 ( 51) | 317.3 ± 25.5 ( 43) | 305.6 ± 44.3 ( 46) | 293.7 ± 31.3 ( 49)* | 236.7 ± 27.6 ( 53)* |
| 89 (-1) | 315.1 ± 36.2 ( 50) | 309.2 ± 29.2 ( 43) | 304.7 ± 40.9 ( 43) | 290.5 ± 32.9 ( 49)* | 234.7 ± 23.5 ( 52)* |
| 91 (-1) | 311.0 ± 46.1 ( 50) | 305.1 ± 31.7 ( 42) | 297.9 ± 52.8 ( 43) | 284.8 ± 34.2 ( 47)* | 233.8 ± 27.6 ( 52)* |
| 93 (-1) | 310.9 ± 49.6 ( 48) | 296.9 ± 44.0 ( 41) | 308.4 ± 36.3 ( 37) | 277.2 ± 39.2 ( 46)* | 230.5 ± 24.7 ( 51)* |
| 95 (-1) | 312.6 ± 48.1 ( 45) | 298.2 ± 38.0 ( 39) | 303.9 ± 38.1 ( 37) | 275.4 ± 42.4 ( 43)* | 221.6 ± 36.0 ( 51)* |
| 97 (-1) | 300.8 ± 62.2 ( 43) | 290.0 ± 51.1 ( 38) | 302.7 ± 41.9 ( 35) | 271.2 ± 44.0 ( 42)* | 218.2 ± 37.6 ( 49)* |
| 99 (-1) | 295.4 ± 37.1 ( 39) | 296.5 ± 36.7 ( 35) | 294.5 ± 45.4 ( 33) | 261.8 ± 48.1 ( 41)* | 215.5 ± 35.0 ( 47)* |
| 101 (-1) | 284.7 ± 40.9 ( 37) | 292.9 ± 46.2 ( 35) | 288.6 ± 52.2 ( 32) | 264.2 ± 44.2 ( 36) | 212.8 ± 25.8 ( 45)* |
| 103 (-1) | 278.9 ± 40.3 ( 35) | 282.6 ± 49.5 ( 34) | 277.9 ± 49.2 ( 30) | 252.7 ± 58.5 ( 34)* | 200.8 ± 34.6 ( 43)* |
| 104 (-1) | 270.8 ± 47.8 ( 32) | 269.9 ± 57.8 ( 29) | 278.1 ± 41.4 ( 24) | 257.6 ± 55.0 ( 29) | 188.4 ± 39.6 ( 40)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 7

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 2 | 89.4 ± 12.4 ( 75) | 89.2 ± 11.8 ( 75) | 88.3 ± 12.1 ( 75) | 89.3 ± 12.0 ( 75) | 88.8 ± 12.6 ( 75) |
| -1 | 104.3 ± 12.2 ( 75) | 105.5 ± 11.1 ( 75) | 104.9 ± 10.8 ( 75) | 105.7 ± 10.8 ( 75) | 104.7 ± 10.7 ( 75) |
| 1 | 121.3 ± 11.4 ( 75) | 122.1 ± 10.8 ( 75) | 120.7 ± 10.9 ( 75) | 121.5 ± 11.2 ( 75) | 119.5 ± 10.0 ( 75) |
| 2 | 134.6 ± 10.8 ( 75) | 134.7 ± 10.4 ( 75) | 134.3 ± 10.1 ( 75) | 133.7 ± 10.3 ( 75) | 130.6 ± 8.9 ( 75)* |
| 3 | 143.4 ± 11.0 ( 75) | 144.3 ± 11.3 ( 75) | 144.1 ± 10.3 ( 75) | 142.0 ± 10.2 ( 75) | 138.1 ± 8.7 ( 75)* |
| 4 | 151.6 ± 10.5 ( 75) | 152.9 ± 10.1 ( 75) | 151.9 ± 9.8 ( 75) | 150.6 ± 10.0 ( 75) | 145.6 ± 8.3 ( 75)* |
| 5 | 158.4 ± 10.9 ( 75) | 159.7 ± 11.1 ( 75) | 158.1 ± 10.1 ( 75) | 156.5 ± 11.1 ( 75) | 150.5 ± 8.5 ( 75)* |
| 6 | 164.2 ± 10.8 ( 75) | 165.5 ± 11.3 ( 75) | 164.9 ± 10.9 ( 75) | 162.8 ± 11.0 ( 75) | 155.0 ± 8.4 ( 75)* |
| 7 | 167.8 ± 10.9 ( 75) | 169.9 ± 11.5 ( 75) | 168.9 ± 11.0 ( 75) | 166.1 ± 11.6 ( 75) | 158.7 ± 8.7 ( 75)* |
| 8 | 172.0 ± 11.6 ( 75) | 174.0 ± 12.0 ( 75) | 173.5 ± 11.4 ( 75) | 170.5 ± 11.5 ( 75) | 162.2 ± 8.5 ( 75)* |
| 9 | 176.3 ± 11.6 ( 75) | 176.6 ± 12.7 ( 75) | 177.0 ± 11.1 ( 75) | 173.2 ± 11.6 ( 75) | 164.6 ± 8.5 ( 75)* |
| 10 | 179.0 ± 11.8 ( 75) | 180.3 ± 12.3 ( 75) | 180.5 ± 11.7 ( 75) | 175.2 ± 11.8 ( 75) | 167.2 ± 8.6 ( 75)* |
| 11 | 182.3 ± 12.0 ( 75) | 183.9 ± 12.8 ( 75) | 183.5 ± 12.3 ( 75) | 180.3 ± 12.2 ( 75) | 169.2 ± 8.9 ( 75)* |
| 12 | 185.4 ± 12.3 ( 75) | 186.7 ± 12.0 ( 75) | 185.9 ± 12.5 ( 75) | 183.2 ± 12.2 ( 75) | 172.7 ± 9.2 ( 75)* |
| 13 | 186.6 ± 12.2 ( 75) | 188.5 ± 12.4 ( 75) | 187.7 ± 11.4 ( 75) | 184.2 ± 12.2 ( 75) | 173.2 ± 9.4 ( 75)* |
| 15 | 188.3 ± 12.2 ( 75) | 190.8 ± 12.3 ( 75) | 189.7 ± 11.8 ( 75) | 186.4 ± 12.5 ( 75) | 175.2 ± 9.7 ( 75)* |
| 17 | 192.8 ± 12.0 ( 75) | 195.1 ± 12.9 ( 75) | 194.0 ± 12.1 ( 75) | 190.7 ± 12.5 ( 75) | 179.6 ± 9.0 ( 75)* |
| 19 | 196.9 ± 12.7 ( 75) | 197.5 ± 13.5 ( 74) | 197.2 ± 11.3 ( 75) | 193.2 ± 12.2 ( 75) | 179.6 ± 9.9 ( 75)* |
| 21 | 200.1 ± 12.5 ( 75) | 201.1 ± 13.6 ( 74) | 199.6 ± 12.7 ( 75) | 195.7 ± 12.4 ( 75)* | 182.4 ± 9.6 ( 75)* |
| 23 | 202.3 ± 12.8 ( 75) | 203.5 ± 13.3 ( 74) | 202.0 ± 12.0 ( 75) | 198.7 ± 12.8 ( 75) | 185.3 ± 9.6 ( 75)* |
| 25 | 205.6 ± 12.4 ( 75) | 207.7 ± 13.6 ( 74) | 206.4 ± 12.3 ( 75) | 200.9 ± 13.3 ( 75)* | 187.3 ± 10.3 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27 | 207.0 ± 12.5 ( 68) | 207.1 ± 13.9 ( 68) | 207.5 ± 12.3 ( 68) | 201.9 ± 13.3 ( 69)* | 186.4 ± 9.8 ( 68)* |
| 29 | 209.6 ± 12.9 ( 64) | 210.3 ± 15.4 ( 64) | 210.9 ± 11.6 ( 65) | 204.0 ± 13.8 ( 65)* | 189.2 ± 10.3 ( 65)* |
| 31 | 213.7 ± 13.2 ( 64) | 215.4 ± 15.6 ( 64) | 214.0 ± 12.6 ( 65) | 207.8 ± 14.0 ( 65)* | 192.4 ± 10.8 ( 65)* |
| 33 | 217.0 ± 14.1 ( 64) | 219.1 ± 15.7 ( 64) | 218.0 ± 12.3 ( 65) | 212.0 ± 13.8 ( 64) | 192.8 ± 10.0 ( 65)* |
| 35 | 218.5 ± 14.5 ( 64) | 220.9 ± 15.6 ( 64) | 219.2 ± 12.1 ( 65) | 213.5 ± 14.7 ( 65) | 195.8 ± 11.0 ( 65)* |
| 37 | 223.7 ± 13.9 ( 64) | 223.8 ± 15.6 ( 64) | 223.0 ± 11.9 ( 65) | 215.7 ± 14.9 ( 65)* | 197.4 ± 10.8 ( 65)* |
| 39 | 224.9 ± 14.2 ( 64) | 226.2 ± 16.1 ( 64) | 226.0 ± 12.3 ( 65) | 218.1 ± 15.5 ( 65)** | 199.5 ± 10.9 ( 65)* |
| 41 | 226.5 ± 13.7 ( 64) | 228.2 ± 17.1 ( 64) | 228.4 ± 13.1 ( 65) | 219.5 ± 15.9 ( 65)* | 199.5 ± 10.6 ( 65)* |
| 43 | 229.9 ± 14.7 ( 64) | 232.5 ± 18.1 ( 64) | 231.8 ± 13.1 ( 65) | 223.2 ± 16.3 ( 65)* | 202.4 ± 11.7 ( 65)* |
| 45 | 229.8 ± 15.0 ( 64) | 231.6 ± 20.5 ( 64) | 233.2 ± 13.3 ( 65) | 221.4 ± 17.3 ( 65)* | 197.6 ± 12.0 ( 65)* |
| 47 | 230.7 ± 15.6 ( 64) | 233.2 ± 18.8 ( 64) | 230.3 ± 13.3 ( 65) | 223.4 ± 16.0 ( 65)* | 200.3 ± 12.7 ( 65)* |
| 49 | 235.6 ± 15.2 ( 64) | 239.2 ± 20.1 ( 64) | 237.2 ± 15.2 ( 65) | 227.6 ± 17.6 ( 65)* | 206.2 ± 11.5 ( 65)* |
| 51 | 237.3 ± 15.1 ( 64) | 240.9 ± 20.1 ( 64) | 239.0 ± 15.7 ( 65) | 228.6 ± 17.9 ( 65)* | 205.9 ± 11.9 ( 65)* |
| 53 | 239.3 ± 16.2 ( 58) | 244.2 ± 20.4 ( 58) | 241.8 ± 15.3 ( 58) | 229.6 ± 16.7 ( 59)* | 207.4 ± 11.9 ( 58)* |
| 55 | 242.9 ± 17.2 ( 54) | 249.7 ± 21.1 ( 54) | 245.8 ± 15.2 ( 55) | 233.4 ± 19.0 ( 55)* | 209.2 ± 12.2 ( 55)* |
| 57 | 250.1 ± 18.5 ( 54) | 255.8 ± 22.5 ( 54) | 250.7 ± 16.3 ( 55) | 238.5 ± 19.5 ( 55)* | 211.8 ± 13.0 ( 55)* |
| 59 | 254.0 ± 19.4 ( 54) | 260.2 ± 22.8 ( 54) | 256.8 ± 17.3 ( 55) | 242.8 ± 21.1 ( 55)* | 213.7 ± 13.4 ( 55)* |
| 61 | 262.1 ± 20.7 ( 54) | 267.9 ± 22.0 ( 54) | 262.7 ± 17.1 ( 55) | 249.1 ± 22.0 ( 55)* | 218.1 ± 13.8 ( 55)* |
| 63 | 268.7 ± 21.0 ( 54) | 272.7 ± 22.3 ( 54) | 268.2 ± 18.0 ( 55) | 252.4 ± 22.2 ( 55)* | 217.4 ± 13.6 ( 55)* |
| 65 | 274.3 ± 21.6 ( 54) | 277.5 ± 21.8 ( 54) | 272.0 ± 18.9 ( 55) | 256.3 ± 22.7 ( 55)* | 219.7 ± 14.8 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 7 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 | 280.8 ± 21.9 ( 54) | 281.3 ± 22.2 ( 54) | 278.8 ± 20.0 ( 55) | 260.5 ± 23.6 ( 55)* | 220.9 ± 14.6 ( 55)* |
| 69 | 285.4 ± 22.7 ( 54) | 285.7 ± 23.6 ( 53) | 283.5 ± 20.3 ( 55) | 265.7 ± 25.2 ( 55)* | 226.7 ± 15.2 ( 55)* |
| 71 | 285.4 ± 22.9 ( 54) | 287.4 ± 24.0 ( 53) | 282.8 ± 22.0 ( 55) | 265.9 ± 25.4 ( 55)* | 225.6 ± 15.6 ( 55)* |
| 73 | 288.1 ± 25.4 ( 54) | 290.8 ± 25.8 ( 53) | 285.5 ± 20.3 ( 54) | 269.2 ± 25.4 ( 55)* | 226.7 ± 16.0 ( 55)* |
| 75 | 290.2 ± 28.3 ( 54) | 292.4 ± 29.6 ( 53) | 287.9 ± 22.5 ( 54) | 272.3 ± 26.2 ( 55)* | 228.7 ± 16.7 ( 55)* |
| 77 | 296.5 ± 24.3 ( 52) | 295.4 ± 29.2 ( 52) | 292.7 ± 21.5 ( 53) | 273.3 ± 25.4 ( 55)* | 229.7 ± 16.9 ( 55)* |
| 79 | 296.6 ± 26.0 ( 52) | 298.2 ± 23.4 ( 51) | 293.3 ± 22.6 ( 53) | 274.4 ± 26.7 ( 55)* | 231.0 ± 17.9 ( 55)* |
| 81 | 296.8 ± 24.8 ( 52) | 299.3 ± 23.3 ( 51) | 294.6 ± 23.0 ( 53) | 276.8 ± 26.0 ( 55)* | 234.2 ± 18.5 ( 55)* |
| 83 | 299.4 ± 21.7 ( 51) | 299.9 ± 22.8 ( 51) | 298.0 ± 22.0 ( 53) | 277.9 ± 27.1 ( 54)* | 236.9 ± 19.9 ( 54)* |
| 85 | 301.5 ± 22.9 ( 51) | 299.3 ± 23.1 ( 51) | 297.9 ± 23.9 ( 53) | 277.8 ± 27.4 ( 54)* | 237.4 ± 21.3 ( 54)* |
| 87 | 301.5 ± 27.1 ( 51) | 300.6 ± 24.1 ( 50) | 299.8 ± 25.1 ( 52) | 280.9 ± 29.4 ( 54)* | 240.4 ± 20.7 ( 54)* |
| 89 | 301.8 ± 33.3 ( 51) | 298.3 ± 29.0 ( 50) | 302.6 ± 24.7 ( 50) | 282.4 ± 30.7 ( 54)* | 240.5 ± 22.1 ( 54)* |
| 91 | 306.0 ± 32.3 ( 50) | 301.0 ± 31.3 ( 48) | 305.4 ± 24.6 ( 50) | 283.6 ± 34.3 ( 54)* | 242.0 ± 23.6 ( 54)* |
| 93 | 311.0 ± 27.0 ( 49) | 302.4 ± 36.9 ( 48) | 305.2 ± 30.9 ( 50) | 286.9 ± 34.7 ( 53)* | 242.9 ± 23.0 ( 53)* |
| 95 | 310.4 ± 26.8 ( 48) | 303.2 ± 36.6 ( 47) | 304.8 ± 30.5 ( 48) | 290.4 ± 29.3 ( 52)* | 242.6 ± 25.6 ( 53)* |
| 97 | 310.3 ± 30.4 ( 48) | 303.4 ± 35.3 ( 46) | 307.7 ± 36.4 ( 46) | 291.8 ± 33.9 ( 51)* | 244.3 ± 25.5 ( 52)* |
| 99 | 309.3 ± 32.2 ( 46) | 306.9 ± 31.4 ( 43) | 312.3 ± 29.4 ( 43) | 290.0 ± 34.3 ( 51)* | 240.7 ± 29.1 ( 52)* |
| 101 | 310.1 ± 35.0 ( 44) | 312.2 ± 21.9 ( 41) | 313.9 ± 37.0 ( 43) | 291.0 ± 39.6 ( 50)* | 244.0 ± 30.4 ( 50)* |
| 103 | 313.1 ± 33.0 ( 42) | 309.6 ± 21.4 ( 40) | 314.9 ± 38.1 ( 42) | 289.0 ± 39.1 ( 48)* | 244.7 ± 30.5 ( 48)* |
| 104 | 305.4 ± 22.6 ( 34) | 309.6 ± 21.5 ( 36) | 306.9 ± 34.1 ( 38) | 281.2 ± 37.7 ( 45)* | 243.3 ± 33.1 ( 45)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 8

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 1-(-1) | 17.0 ± 5.9 ( 75) | 16.5 ± 5.0 ( 75) | 15.8 ± 2.8 ( 75) | 15.8 ± 4.8 ( 75) | 14.7 ± 3.4 ( 75)* |
| 2-(-1) | 30.3 ± 7.4 ( 75) | 29.2 ± 5.7 ( 75) | 29.4 ± 4.7 ( 75) | 28.0 ± 5.3 ( 75)* | 25.9 ± 4.7 ( 75)* |
| 3-(-1) | 39.2 ± 7.7 ( 75) | 38.8 ± 8.7 ( 75) | 39.2 ± 5.8 ( 75) | 36.3 ± 6.4 ( 75)* | 33.3 ± 6.3 ( 75)* |
| 4-(-1) | 47.3 ± 8.9 ( 75) | 47.3 ± 8.0 ( 75) | 47.0 ± 7.5 ( 75) | 44.9 ± 7.4 ( 75) | 40.8 ± 6.8 ( 75)* |
| 5-(-1) | 54.1 ± 9.4 ( 75) | 54.2 ± 8.1 ( 75) | 53.2 ± 7.2 ( 75) | 50.8 ± 8.4 ( 75)* | 45.7 ± 6.7 ( 75)* |
| 6-(-1) | 59.9 ± 9.9 ( 75) | 59.9 ± 9.2 ( 75) | 60.0 ± 7.9 ( 75) | 57.1 ± 9.4 ( 75) | 50.2 ± 7.4 ( 75)* |
| 7-(-1) | 63.5 ± 10.4 ( 75) | 64.3 ± 9.3 ( 75) | 64.0 ± 8.3 ( 75) | 60.4 ± 9.7 ( 75) | 54.0 ± 7.8 ( 75)* |
| 8-(-1) | 67.7 ± 11.0 ( 75) | 68.4 ± 9.7 ( 75) | 68.6 ± 8.8 ( 75) | 64.8 ± 9.7 ( 75) | 57.4 ± 7.7 ( 75)* |
| 9-(-1) | 72.1 ± 10.9 ( 75) | 71.1 ± 10.6 ( 75) | 72.0 ± 9.0 ( 75) | 67.5 ± 10.5 ( 75)* | 59.9 ± 8.4 ( 75)* |
| 10-(-1) | 74.7 ± 11.0 ( 75) | 74.7 ± 10.5 ( 75) | 75.5 ± 9.3 ( 75) | 69.5 ± 10.5 ( 75)* | 62.5 ± 8.2 ( 75)* |
| 11-(-1) | 78.0 ± 11.3 ( 75) | 78.4 ± 11.9 ( 75) | 78.6 ± 10.7 ( 75) | 74.6 ± 11.0 ( 75) | 64.4 ± 8.6 ( 75)* |
| 12-(-1) | 81.1 ± 11.7 ( 75) | 81.2 ± 10.4 ( 75) | 81.0 ± 10.9 ( 75) | 77.5 ± 11.0 ( 75) | 67.9 ± 8.9 ( 75)* |
| 13-(-1) | 82.3 ± 11.8 ( 75) | 83.0 ± 11.1 ( 75) | 82.8 ± 9.8 ( 75) | 78.5 ± 11.0 ( 75)* | 68.4 ± 8.8 ( 75)* |
| 15-(-1) | 84.0 ± 12.2 ( 75) | 85.3 ± 11.1 ( 75) | 84.8 ± 10.3 ( 75) | 80.7 ± 11.7 ( 75) | 70.5 ± 9.3 ( 75)* |
| 17-(-1) | 88.5 ± 12.3 ( 75) | 89.5 ± 11.5 ( 75) | 89.1 ± 10.7 ( 75) | 85.0 ± 11.7 ( 75) | 74.9 ± 9.5 ( 75)* |
| 19-(-1) | 92.6 ± 12.8 ( 75) | 91.9 ± 12.8 ( 74) | 92.3 ± 10.0 ( 75) | 87.5 ± 11.8 ( 75)* | 74.9 ± 10.2 ( 75)* |
| 21-(-1) | 95.8 ± 12.1 ( 75) | 95.4 ± 11.4 ( 74) | 94.6 ± 11.6 ( 75) | 90.0 ± 11.7 ( 75)* | 77.7 ± 9.5 ( 75)* |
| 23-(-1) | 98.0 ± 12.7 ( 75) | 97.8 ± 12.1 ( 74) | 97.1 ± 11.3 ( 75) | 93.0 ± 12.1 ( 75)* | 80.5 ± 9.5 ( 75)* |
| 25-(-1) | 101.3 ± 11.9 ( 75) | 102.1 ± 12.0 ( 74) | 101.5 ± 11.0 ( 75) | 95.2 ± 12.6 ( 75)* | 82.5 ± 10.4 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27 (-1) | 103.3 ± 12.3 ( 68) | 101.5 ± 13.6 ( 68) | 102.6 ± 12.1 ( 68) | 96.3 ± 12.7 ( 69)* | 81.9 ± 10.0 ( 68)* |
| 29 (-1) | 106.4 ± 12.9 ( 64) | 104.5 ± 14.4 ( 64) | 105.8 ± 10.8 ( 65) | 98.3 ± 13.8 ( 65)* | 84.0 ± 10.1 ( 65)* |
| 31 (-1) | 110.5 ± 12.6 ( 64) | 109.7 ± 14.1 ( 64) | 108.9 ± 11.6 ( 65) | 102.1 ± 13.9 ( 65)* | 87.3 ± 10.7 ( 65)* |
| 33 (-1) | 113.8 ± 12.9 ( 64) | 113.4 ± 14.4 ( 64) | 112.9 ± 11.4 ( 65) | 106.2 ± 13.8 ( 64)* | 87.7 ± 10.4 ( 65)* |
| 35 (-1) | 115.3 ± 13.7 ( 64) | 115.2 ± 14.4 ( 64) | 114.1 ± 10.4 ( 65) | 107.8 ± 14.2 ( 65)* | 90.6 ± 10.6 ( 65)* |
| 37 (-1) | 120.5 ± 13.1 ( 64) | 118.0 ± 14.0 ( 64) | 117.9 ± 10.6 ( 65) | 110.0 ± 14.6 ( 65)* | 92.2 ± 11.0 ( 65)* |
| 39 (-1) | 121.7 ± 13.9 ( 64) | 120.5 ± 14.6 ( 64) | 120.8 ± 10.7 ( 65) | 112.4 ± 15.4 ( 65)* | 94.3 ± 11.1 ( 65)* |
| 41 (-1) | 123.3 ± 13.8 ( 64) | 122.5 ± 15.3 ( 64) | 123.3 ± 11.3 ( 65) | 113.8 ± 15.4 ( 65)* | 94.3 ± 10.6 ( 65)* |
| 43 (-1) | 126.7 ± 13.4 ( 64) | 126.8 ± 16.3 ( 64) | 126.6 ± 11.8 ( 65) | 117.5 ± 15.9 ( 65)* | 97.2 ± 11.0 ( 65)* |
| 45 (-1) | 126.6 ± 14.4 ( 64) | 125.9 ± 18.4 ( 64) | 128.0 ± 11.5 ( 65) | 115.7 ± 16.9 ( 65)* | 92.4 ± 13.0 ( 65)* |
| 47 (-1) | 127.5 ± 15.3 ( 64) | 127.5 ± 16.8 ( 64) | 125.2 ± 12.0 ( 65) | 117.7 ± 15.3 ( 65)* | 95.2 ± 12.1 ( 65)* |
| 49 (-1) | 132.4 ± 15.2 ( 64) | 133.5 ± 17.7 ( 64) | 132.1 ± 13.9 ( 65) | 121.9 ± 16.9 ( 65)* | 101.0 ± 10.7 ( 65)* |
| 51 (-1) | 134.1 ± 14.8 ( 64) | 135.2 ± 17.7 ( 64) | 133.9 ± 14.1 ( 65) | 122.9 ± 17.1 ( 65)* | 100.7 ± 11.7 ( 65)* |
| 53 (-1) | 136.4 ± 15.5 ( 58) | 138.6 ± 18.3 ( 58) | 136.2 ± 14.1 ( 58) | 124.4 ± 16.0 ( 59)* | 102.2 ± 11.7 ( 58)* |
| 55 (-1) | 140.3 ± 17.1 ( 54) | 144.2 ± 19.2 ( 54) | 139.4 ± 14.3 ( 55) | 128.8 ± 18.5 ( 55)* | 104.3 ± 11.4 ( 55)* |
| 57 (-1) | 147.5 ± 18.2 ( 54) | 150.3 ± 20.2 ( 54) | 144.3 ± 14.7 ( 55) | 134.0 ± 18.9 ( 55)* | 106.8 ± 12.1 ( 55)* |
| 59 (-1) | 151.4 ± 20.1 ( 54) | 154.7 ± 20.1 ( 54) | 150.4 ± 15.2 ( 55) | 138.3 ± 20.3 ( 55)* | 108.7 ± 12.4 ( 55)* |
| 61 (-1) | 159.5 ± 20.4 ( 54) | 162.4 ± 19.2 ( 54) | 156.3 ± 15.0 ( 55) | 144.6 ± 21.6 ( 55)* | 113.2 ± 13.0 ( 55)* |
| 63 (-1) | 166.1 ± 20.4 ( 54) | 167.2 ± 19.7 ( 54) | 161.8 ± 15.6 ( 55) | 147.9 ± 21.5 ( 55)* | 112.4 ± 13.0 ( 55)* |
| 65 (-1) | 171.7 ± 20.4 ( 54) | 172.0 ± 19.8 ( 54) | 165.6 ± 15.9 ( 55) | 151.7 ± 21.6 ( 55)* | 114.7 ± 13.6 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 8 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE BODY WEIGHT GAIN MEASUREMENTS (grams)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 (-1) | 178.2 ± 21.3 ( 54) | 175.7 ± 20.6 ( 54) | 172.4 ± 16.4 ( 55) | 155.9 ± 22.4 ( 55)* | 115.9 ± 14.0 ( 55)* |
| 69 (-1) | 182.8 ± 22.4 ( 54) | 180.5 ± 22.0 ( 53) | 177.1 ± 16.8 ( 55) | 161.2 ± 23.7 ( 55)* | 121.7 ± 14.2 ( 55)* |
| 71-(-1) | 182.7 ± 22.1 ( 54) | 182.2 ± 22.4 ( 53) | 176.4 ± 18.5 ( 55) | 161.4 ± 24.4 ( 55)* | 120.6 ± 15.1 ( 55)* |
| 73-(-1) | 185.4 ± 24.5 ( 54) | 185.6 ± 24.1 ( 53) | 178.9 ± 16.9 ( 54) | 164.6 ± 24.1 ( 55)* | 121.7 ± 15.2 ( 55)* |
| 75 (-1) | 187.6 ± 27.3 ( 54) | 187.1 ± 28.2 ( 53) | 181.2 ± 20.2 ( 54) | 167.8 ± 24.8 ( 55)* | 123.7 ± 15.8 ( 55)* |
| 77 (-1) | 193.9 ± 23.3 ( 52) | 190.0 ± 28.7 ( 52) | 186.3 ± 19.2 ( 53) | 168.8 ± 24.6 ( 55)* | 124.7 ± 16.0 ( 55)* |
| 79-(-1) | 194.0 ± 25.1 ( 52) | 193.0 ± 20.9 ( 51) | 186.8 ± 20.0 ( 53) | 169.9 ± 25.7 ( 55)* | 126.1 ± 16.6 ( 55)* |
| 81-(-1) | 194.2 ± 24.0 ( 52) | 194.1 ± 21.6 ( 51) | 188.2 ± 20.6 ( 53) | 173.2 ± 25.2 ( 55)* | 129.2 ± 17.5 ( 55)* |
| 83 (-1) | 196.7 ± 21.7 ( 51) | 194.7 ± 20.6 ( 51) | 191.6 ± 20.0 ( 53) | 173.5 ± 26.2 ( 54)* | 132.0 ± 18.5 ( 54)* |
| 85 (-1) | 198.9 ± 23.3 ( 51) | 194.1 ± 21.4 ( 51) | 191.5 ± 22.4 ( 53) | 173.5 ± 26.4 ( 54)* | 132.6 ± 19.8 ( 54)* |
| 87 (-1) | 198.8 ± 27.5 ( 51) | 195.9 ± 21.3 ( 50) | 193.5 ± 23.3 ( 52) | 176.6 ± 27.8 ( 54)* | 135.6 ± 19.6 ( 54)* |
| 89 (-1) | 199.1 ± 33.8 ( 51) | 193.6 ± 25.7 ( 50) | 196.2 ± 23.6 ( 50) | 178.1 ± 28.7 ( 54)* | 135.7 ± 20.8 ( 54)* |
| 91 (-1) | 203.7 ± 32.2 ( 50) | 196.3 ± 28.2 ( 48) | 199.0 ± 22.7 ( 50) | 179.3 ± 32.1 ( 54)* | 137.2 ± 22.2 ( 54)* |
| 93-(-1) | 208.8 ± 26.4 ( 49) | 197.7 ± 34.4 ( 48) | 198.8 ± 29.5 ( 50) | 182.2 ± 33.5 ( 53)* | 138.2 ± 20.9 ( 53)* |
| 95-(-1) | 208.3 ± 25.7 ( 48) | 198.8 ± 31.9 ( 47) | 198.5 ± 29.5 ( 48) | 185.5 ± 27.9 ( 52)* | 137.8 ± 23.5 ( 53)* |
| 97 (-1) | 208.1 ± 29.4 ( 48) | 198.7 ± 31.9 ( 46) | 201.8 ± 34.2 ( 46) | 186.6 ± 32.0 ( 51)* | 139.6 ± 23.3 ( 52)* |
| 99 (-1) | 207.2 ± 31.6 ( 46) | 202.1 ± 28.2 ( 43) | 205.5 ± 28.5 ( 43) | 184.8 ± 31.8 ( 51)* | 136.0 ± 26.9 ( 52)* |
| 101 (-1) | 207.5 ± 36.8 ( 44) | 207.4 ± 17.8 ( 41) | 207.0 ± 37.1 ( 43) | 185.9 ± 36.8 ( 50)* | 139.1 ± 28.4 ( 50)* |
| 103 (-1) | 211.1 ± 33.4 ( 42) | 204.6 ± 18.3 ( 40) | 208.4 ± 37.4 ( 42) | 183.5 ± 37.6 ( 48)* | 139.6 ± 27.9 ( 48)* |
| 104 (-1) | 204.9 ± 24.2 ( 34) | 203.3 ± 18.1 ( 36) | 199.4 ± 31.9 ( 38) | 175.9 ± 37.4 ( 45)* | 137.8 ± 30.7 ( 45)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 9

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| -2 | 13.7 ± 0.9 ( 75) | 13.9 ± 1.0 ( 75) | 13.7 ± 0.6 ( 75) | 13.7 ± 1.1 ( 75) | 13.6 ± 0.8 ( 75) |
| -1 | 15.0 ± 1.2 ( 75) | 15.1 ± 1.0 ( 75) | 15.3 ± 0.9 ( 72) | 15.3 ± 0.8 ( 75) | 14.8 ± 0.8 ( 75) |
| 1 | 16.0 ± 0.7 ( 75) | 15.8 ± 0.9 ( 75) | 15.8 ± 0.6 ( 75) | 14.9 ± 0.8 ( 75)* | 14.8 ± 0.8 ( 75)* |
| 2 | 16.2 ± 0.8 ( 75) | 16.4 ± 1.4 ( 75) | 16.6 ± 1.4 ( 75) | 17.1 ± 1.2 ( 75)* | 15.0 ± 1.0 ( 75)* |
| 3 | 16.7 ± 0.9 ( 75) | 16.4 ± 0.9 ( 75)* | 16.4 ± 0.6 ( 75) | 16.0 ± 1.0 ( 75)* | 15.3 ± 0.8 ( 75)* |
| 4 | 16.5 ± 0.9 ( 75) | 16.5 ± 0.7 ( 75) | 16.4 ± 0.6 ( 75) | 16.0 ± 0.9 ( 75)* | 15.1 ± 0.8 ( 75)* |
| 5 | 16.7 ± 0.8 ( 75) | 17.0 ± 0.9 ( 75)* | 16.7 ± 1.1 ( 75) | 16.2 ± 1.0 ( 75)* | 15.4 ± 0.8 ( 75)* |
| 6 | 16.5 ± 1.3 ( 75) | 16.9 ± 0.9 ( 75)* | 16.9 ± 0.8 ( 75)* | 16.2 ± 0.7 ( 75)* | 15.2 ± 0.7 ( 75)* |
| 7 | 15.9 ± 1.3 ( 72) | 16.3 ± 0.7 ( 75)* | 16.0 ± 0.7 ( 75) | 15.5 ± 0.7 ( 72)* | 14.8 ± 0.7 ( 75)* |
| 8 | 16.7 ± 0.9 ( 75) | 16.5 ± 0.7 ( 75) | 16.4 ± 0.7 ( 75) | 16.6 ± 1.2 ( 75) | 15.2 ± 0.7 ( 75)* |
| 9 | 16.6 ± 0.7 ( 72) | 16.9 ± 0.9 ( 75)* | 17.1 ± 0.8 ( 75)* | 16.6 ± 0.7 ( 75) | 15.4 ± 0.6 ( 75)* |
| 10 | 16.7 ± 0.8 ( 75) | 17.1 ± 0.8 ( 75)* | 17.4 ± 1.0 ( 72)* | 16.7 ± 0.6 ( 72) | 15.6 ± 0.7 ( 75)* |
| 11 | 16.3 ± 0.9 ( 75) | 16.5 ± 0.7 ( 75) | 16.6 ± 0.8 ( 75) | 16.2 ± 0.9 ( 75) | 15.2 ± 0.8 ( 72)* |
| 12 | 16.1 ± 0.6 ( 75) | 15.9 ± 0.7 ( 75) | 15.6 ± 1.1 ( 75)* | 15.8 ± 0.8 ( 75)* | 14.5 ± 0.7 ( 75)* |
| 13 | 15.9 ± 0.6 ( 75) | 16.0 ± 0.6 ( 75) | 15.7 ± 0.6 ( 75) | 15.7 ± 0.8 ( 75) | 14.6 ± 0.8 ( 75)* |
| 15 | 16.0 ± 0.6 ( 75) | 16.1 ± 0.6 ( 75) | 16.0 ± 0.8 ( 75) | 15.8 ± 0.7 ( 75) | 14.6 ± 0.6 ( 75)* |
| 17 | 16.1 ± 0.8 ( 75) | 15.9 ± 0.7 ( 75) | 16.0 ± 0.7 ( 75) | 15.7 ± 0.9 ( 75)* | 14.4 ± 1.2 ( 75)* |
| 19 | 15.7 ± 0.9 ( 75) | 15.9 ± 0.7 ( 75) | 15.7 ± 0.5 ( 75) | 15.2 ± 0.6 ( 75)* | 14.1 ± 0.7 ( 75)* |
| 21 | 15.8 ± 0.6 ( 75) | 16.0 ± 0.6 ( 75) | 15.9 ± 0.6 ( 75) | 15.3 ± 0.7 ( 75)* | 14.2 ± 0.6 ( 75)* |
| 23 | 16.4 ± 1.0 ( 75) | 16.4 ± 1.0 ( 75) | 16.2 ± 0.6 ( 75) | 16.2 ± 0.8 ( 75) | 15.1 ± 0.8 ( 75)* |
| 25 | 15.8 ± 0.7 ( 75) | 15.9 ± 0.7 ( 75) | 15.7 ± 0.7 ( 75) | 15.5 ± 0.9 ( 75)* | 14.5 ± 0.6 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 9 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27 | 15.4 ± 1.3 ( 72) | 16.0 ± 0.7 ( 71)* | 15.6 ± 1.2 ( 72) | 15.5 ± 0.9 ( 71) | 14.3 ± 0.7 ( 72)* |
| 29 | 16.0 ± 0.9 ( 65) | 16.2 ± 1.4 ( 65) | 16.3 ± 0.8 ( 65) | 15.7 ± 1.1 ( 65) | 14.7 ± 0.7 ( 65)* |
| 31 | 16.5 ± 1.2 ( 65) | 16.5 ± 1.0 ( 65) | 16.6 ± 0.8 ( 65) | 16.3 ± 1.0 ( 65) | 15.1 ± 0.7 ( 65)* |
| 33 | 16.8 ± 1.0 ( 65) | 17.0 ± 1.2 ( 65) | 16.8 ± 0.8 ( 65) | 16.4 ± 0.9 ( 65)* | 15.3 ± 0.7 ( 65)* |
| 35 | 16.6 ± 1.1 ( 65) | 16.8 ± 1.1 ( 65) | 16.6 ± 0.8 ( 65) | 16.5 ± 0.7 ( 65) | 15.4 ± 0.7 ( 65)* |
| 37 | 16.5 ± 1.4 ( 65) | 16.8 ± 1.0 ( 65) | 16.8 ± 1.7 ( 65) | 16.4 ± 1.1 ( 65) | 15.7 ± 0.7 ( 65)* |
| 39 | 17.2 ± 1.1 ( 64) | 17.1 ± 1.0 ( 65) | 16.9 ± 0.9 ( 65) | 16.7 ± 0.9 ( 65)* | 15.7 ± 0.8 ( 65)* |
| 41 | 17.0 ± 0.8 ( 64) | 17.0 ± 1.2 ( 65) | 17.1 ± 1.5 ( 65) | 16.5 ± 0.9 ( 65)* | 15.4 ± 0.7 ( 65)* |
| 43 | 16.7 ± 1.3 ( 64) | 16.6 ± 1.0 ( 65) | 16.8 ± 1.0 ( 65) | 16.3 ± 1.1 ( 65)* | 15.6 ± 0.7 ( 65)* |
| 45 | 15.8 ± 2.1 ( 64) | 14.8 ± 2.1 ( 65)* | 16.6 ± 1.6 ( 62)* | 14.2 ± 2.6 ( 65)* | 14.4 ± 1.6 ( 59)* |
| 47 | 17.4 ± 1.4 ( 64) | 16.4 ± 1.6 ( 65)* | 16.6 ± 1.1 ( 64)* | 16.8 ± 1.4 ( 65) | 15.3 ± 1.7 ( 65)* |
| 49 | 16.2 ± 1.1 ( 64) | 15.9 ± 1.0 ( 65) | 16.1 ± 0.9 ( 64) | 15.6 ± 0.9 ( 65)* | 15.3 ± 0.8 ( 65)* |
| 51 | 17.0 ± 1.1 ( 64) | 17.2 ± 1.3 ( 64) | 16.8 ± 1.2 ( 64) | 16.7 ± 0.9 ( 65) | 15.7 ± 0.7 ( 65)* |
| 53 | 16.8 ± 1.2 ( 58) | 17.4 ± 1.1 ( 57)* | 17.7 ± 0.9 ( 57)* | 16.9 ± 1.0 ( 58) | 15.9 ± 0.7 ( 58)* |
| 55 | 17.5 ± 1.2 ( 54) | 17.9 ± 1.2 ( 54) | 18.2 ± 1.3 ( 54)* | 17.1 ± 1.0 ( 54) | 16.0 ± 1.4 ( 55)* |
| 57 | 17.2 ± 0.9 ( 54) | 17.3 ± 2.0 ( 54) | 17.1 ± 1.5 ( 53) | 16.7 ± 1.1 ( 54) | 15.4 ± 0.9 ( 55)* |
| 59 | 16.9 ± 1.2 ( 54) | 17.0 ± 1.1 ( 54) | 17.1 ± 1.2 ( 54) | 16.4 ± 1.0 ( 54)* | 15.2 ± 1.0 ( 55)* |
| 61 | 16.4 ± 1.2 ( 54) | 16.8 ± 1.0 ( 54) | 16.6 ± 1.4 ( 54) | 15.8 ± 1.1 ( 54)* | 14.5 ± 0.9 ( 55)* |
| 63 | 16.8 ± 1.3 ( 54) | 16.9 ± 1.1 ( 54) | 16.3 ± 1.8 ( 54) | 16.0 ± 0.9 ( 54)* | 14.5 ± 0.8 ( 55)* |
| 65 | 16.6 ± 1.2 ( 54) | 16.6 ± 1.1 ( 54) | 16.3 ± 1.8 ( 54) | 16.4 ± 1.0 ( 53) | 14.7 ± 1.1 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 9 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 | 16.3 ± 1.1 ( 51) | 16.0 ± 1.1 ( 54) | 15.8 ± 1.1 ( 53)* | 16.0 ± 0.8 ( 53) | 14.5 ± 0.9 ( 54)* |
| 69 | 15.5 ± 1.1 ( 54) | 15.5 ± 1.4 ( 53) | 15.2 ± 0.8 ( 53) | 15.2 ± 0.9 ( 53) | 14.1 ± 1.4 ( 54)* |
| 71 | 16.0 ± 1.1 ( 54) | 15.7 ± 1.3 ( 53) | 15.3 ± 1.1 ( 53)* | 15.2 ± 0.9 ( 53)* | 13.4 ± 1.0 ( 54)* |
| 73 | 15.5 ± 1.0 ( 54) | 15.5 ± 1.6 ( 52) | 15.3 ± 0.9 ( 53) | 15.2 ± 1.0 ( 53) | 13.7 ± 0.9 ( 54)* |
| 75 | 15.8 ± 1.1 ( 54) | 15.7 ± 1.0 ( 51) | 15.2 ± 1.5 ( 53)* | 15.6 ± 0.9 ( 53) | 14.4 ± 1.5 ( 53)* |
| 77 | 15.9 ± 1.1 ( 54) | 15.2 ± 2.1 ( 52)* | 15.2 ± 1.4 ( 52)* | 15.1 ± 1.2 ( 53)* | 14.1 ± 0.7 ( 53)* |
| 79 | 15.3 ± 1.4 ( 54) | 15.8 ± 1.5 ( 48) | 15.3 ± 1.2 ( 52) | 14.8 ± 1.6 ( 53) . | 13.8 ± 0.7 ( 53)* |
| 81 | 15.2 ± 1.9 ( 54) | 15.6 ± 2.0 ( 49) | 15.7 ± 1.5 ( 49) | 15.2 ± 1.4 ( 51) | 14.3 ± 0.8 ( 53)* |
| 83 | 15.2 ± 1.7 ( 53) | 15.2 ± 2.2 ( 48) | 15.2 ± 1.7 ( 49) | 15.0 ± 1.6 ( 50) | 13.8 ± 0.7 ( 53)* |
| 85 | 16.2 ± 2.1 ( 52) | 14.6 ± 3.0 ( 48)* | 14.9 ± 2.3 ( 48)* | 14.8 ± 2.0 ( 49)* | 13.7 ± 0.9 ( 53)* |
| 87 | 15.8 ± 2.0 ( 51) | 15.4 ± 1.9 ( 43) | 15.0 ± 2.3 ( 46)* | 15.6 ± 1.8 ( 49) | 13.9 ± 1.4 ( 53)* |
| 89 | 15.4 ± 2.2 ( 50) | 14.9 ± 2.7 ( 43) | 15.5 ± 2.2 ( 43) | 14.4 ± 2.2 ( 49)* | 14.0 ± 1.2 ( 52)* |
| 91 | 15.4 ± 2.5 ( 50) | 14.7 ± 3.1 ( 42) | 14.9 ± 3.1 ( 43) | 14.6 ± 2.1 ( 47) | 13.8 ± 1.1 ( 52)* |
| 93 | 15.5 ± 2.1 ( 48) | 14.8 ± 2.4 ( 41) | 15.7 ± 2.0 ( 37) | 13.6 ± 3.3 ( 46)* | 13.1 ± 1.3 ( 51)* |
| 95 | 15.3 ± 1.6 ( 45) | 15.1 ± 3.0 ( 39) | 15.7 ± 2.0 ( 37) | 14.7 ± 2.2 ( 43) | 13.1 ± 1.7 ( 51)* |
| 97 | 14.4 ± 4.0 ( 43) | 15.3 ± 3.7 ( 38) | 15.9 ± 1.8 ( 35)* | 14.3 ± 3.0 ( 42) | 13.8 ± 1.0 ( 49) |
| 99 | 14.2 ± 2.5 ( 39) | 15.5 ± 2.5 ( 35)* | 14.9 ± 2.2 ( 33) | 13.7 ± 3.3 ( 41) | 13.4 ± 1.3 ( 47) |
| 101 | 13.3 ± 2.8 ( 37) | 14.7 ± 2.7 ( 35)* | 14.0 ± 3.0 ( 33) | 13.9 ± 2.6 ( 36) | 12.2 ± 2.0 ( 45) |
| 103 | 14.8 ± 2.4 ( 35) | 13.8 ± 3.9 ( 35) | 13.7 ± 3.7 ( 30) | 13.3 ± 3.9 ( 34) | 12.3 ± 2.3 ( 43)* |
| 104 | 13.8 ± 3.8 ( 35) | 14.2 ± 3.9 ( 33) | 15.0 ± 4.3 ( 28) | 14.1 ± 3.1 ( 33) | 12.4 ± 2.4 ( 43) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 10

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| -2 | 11.0 ± 0.6 ( 72) | 11.2 ± 0.6 ( 75)* | 11.2 ± 0.5 ( 75)* | 11.2 ± 0.4 ( 75)* | 11.1 ± 0.5 ( 75) |
| -1 | 11.6 ± 0.5 ( 75) | 11.9 ± 0.6 ( 75)* | 11.6 ± 0.6 ( 75) | 11.6 ± 0.4 ( 75) | 11.4 ± 0.8 ( 75)* |
| 1 | 11.7 ± 0.5 ( 72) | 11.6 ± 0.4 ( 75) | 11.5 ± 0.6 ( 75)* | 11.3 ± 0.4 ( 75)* | 10.9 ± 0.4 ( 75)* |
| 2 | 11.2 ± 0.6 ( 75) | 11.3 ± 0.5 ( 75) | 10.9 ± 0.4 ( 75)* | 11.1 ± 0.5 ( 75) | 10.5 ± 0.6 ( 75)* |
| 3 | 11.2 ± 0.5 ( 75) | 10.9 ± 0.7 ( 75)* | 11.1 ± 0.5 ( 69) | 10.9 ± 0.5 ( 75)* | 10.4 ± 0.6 ( 75)* |
| 4 | 10.8 ± 0.6 ( 75) | 10.7 ± 0.4 ( 75) | 10.8 ± 0.6 ( 75) | 10.8 ± 0.5 ( 75) | 10.1 ± 0.8 ( 75)* |
| 5 | 10.7 ± 0.7 ( 75) | 10.9 ± 0.5 ( 75)* | 10.8 ± 0.6 ( 72) | 10.8 ± 0.6 ( 75) | 10.1 ± 0.5 ( 75)* |
| 6 | 10.8 ± 0.6 ( 75) | 11.1 ± 0.5 ( 75)* | 10.7 ± 0.7 ( 75) | 11.2 ± 1.1 ( 72)* | 10.0 ± 0.5 ( 75)* |
| 7 | 10.0 ± 0.9 ( 75) | 10.5 ± 0.5 ( 75)* | 10.3 ± 0.6 ( 75)* | 10.3 ± 0.5 ( 75)* | 9.6 ± 0.5 ( 75)* |
| 8 | 10.5 ± 0.7 ( 75) | 11.1 ± 0.9 ( 75)* | 10.7 ± 0.5 ( 75) | 10.9 ± 0.8 ( 75)* | 9.8 ± 1.8 ( 75)* |
| 9 | 10.4 ± 0.7 ( 75) | 10.8 ± 0.6 ( 75)* | 10.5 ± 0.6 ( 75) | 10.6 ± 0.6 ( 72) | 9.8 ± 0.7 ( 72)* |
| 10 | 10.4 ± 0.7 ( 75) | 11.0 ± 0.5 ( 75)* | 10.6 ± 0.5 ( 75) | 10.6 ± 0.6 ( 72) | 9.9 ± 0.6 ( 75)* |
| 11 | 10.1 ± 0.7 ( 75) | 10.6 ± 0.5 ( 75)* | 10.2 ± 0.6 ( 72) | 10.4 ± 0.5 ( 75)* | 9.4 ± 0.6 ( 75)* |
| 12 | 10.3 ± 0.8 ( 75) | 10.3 ± 0.6 ( 75) | 10.1 ± 0.5 ( 75)* | 10.2 ± 0.5 ( 75) | 9.5 ± 0.5 ( 75)* |
| 13 | 9.6 ± 0.7 ( 75) | 10.0 ± 0.6 ( 75)* | 9.8 ± 0.5 ( 75)* | 9.6 ± 0.5 ( 75) | 9.0 ± 0.4 ( 75)* |
| 15 | 10.1 ± 0.6 ( 75) | 10.1 ± 0.7 ( 75) | 10.2 ± 0.6 ( 75) | 9.7 ± 0.5 ( 72)* | 8.9 ± 0.4 ( 72)* |
| 17 | 9.6 ± 0.9 ( 75) | 9.8 ± 0.7 ( 75) | 9.7 ± 0.5 ( 75) | 9.4 ± 0.4 ( 75) | 8.8 ± 0.4 ( 75)* |
| 19 | 9.4 ± 0.5 ( 75) | 9.5 ± 0.6 ( 74) | 9.4 ± 0.5 ( 75) | 9.2 ± 0.5 ( 75)* | 8.3 ± 0.5 ( 75)* |
| 21 | 9.6 ± 0.4 ( 75) | 9.6 ± 0.5 ( 74) | 9.3 ± 0.5 ( 75)* | 9.3 ± 0.5 ( 75)* | 8.6 ± 0.4 ( 75)* |
| 23 | 10.1 ± 0.7 ( 75) | 10.3 ± 0.6 ( 74) | 10.3 ± 0.7 ( 75) | 10.1 ± 0.5 ( 75) | 9.2 ± 0.6 ( 75)* |
| 25 | 9.5 ± 0.6 ( 75) | 9.7 ± 0.7 ( 74)* | 9.7 ± 0.8 ( 75) | 9.4 ± 0.6 ( 75) | 8.7 ± 0.5 ( 75)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 10 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 27 | 9.7 ± 0.9 ( 71) | 9.9 ± 0.9 ( 71) | 10.1 ± 0.8 ( 71)* | 9.6 ± 0.6 ( 72) | 8.5 ± 0.5 ( 72)* |
| 29 | 10.1 ± 0.7 ( 64) | 10.4 ± 0.9 ( 64)* | 10.2 ± 0.6 ( 65) | 10.2 ± 0.5 ( 65) | 9.3 ± 0.6 ( 65)* |
| 31 | 10.3 ± 0.5 ( 64) | 10.7 ± 0.9 ( 62)* | 10.5 ± 0.6 ( 65) | 10.4 ± 0.6 ( 65) | 9.4 ± 0.7 ( 63)* |
| 33 | 10.8 ± 0.7 ( 64) | 11.2 ± 1.0 ( 64)* | 10.8 ± 0.5 ( 65) | 10.8 ± 0.8 ( 65) | 9.5 ± 0.7 ( 65)* |
| 35 | 10.8 ± 0.8 ( 64) | 11.6 ± 1.5 ( 64)* | 10.9 ± 0.6 ( 65) | 10.5 ± 0.5 ( 65) | 9.7 ± 0.5 ( 65)* |
| 37 | 10.8 ± 1.0 ( 64) | 11.1 ± 0.9 ( 64) | 11.1 ± 0.8 ( 62) | 10.8 ± 0.8 ( 65) | 10.0 ± 0.5 ( 65)* |
| 39 | 10.7 ± 1.1 ( 64) | 11.6 ± 1.0 ( 64)* | 10.9 ± 0.9 ( 65) | 11.2 ± 0.6 ( 65)* | 10.2 ± 0.7 ( 65)* |
| 41 | 11.0 ± 0.8 ( 64) | 11.6 ± 0.7 ( 64)* | 11.2 ± 0.7 ( 65) | 11.3 ± 0.6 ( 65)* | 10.3 ± 0.6 ( 65)* |
| 43 | 10.5 ± 0.7 ( 64) | 11.2 ± 0.9 ( 64)* | 10.9 ± 0.7 ( 65)* | 10.9 ± 0.6 ( 65)* | 10.1 ± 0.7 ( 65)* |
| 45 | 10.2 ± 1.0 ( 64) | 10.9 ± 1.0 ( 64)* | 11.0 ± 0.9 ( 65)* | 10.7 ± 1.1 ( 65)* | 9.2 ± 1.7 ( 65)* |
| 47 | 10.9 ± 0.9 ( 64) | 11.1 ± 1.2 ( 64) | 11.0 ± 1.2 ( 62) | 10.7 ± 1.0 ( 65) | 9.7 ± 1.1 ( 65)* |
| 49 | 10.6 ± 0.8 ( 62) | 11.1 ± 0.8 ( 64)* | 10.9 ± 0.7 ( 65)* | 10.5 ± 0.7 ( 65) | 9.4 ± 0.6 ( 65)* |
| 51 | 11.4 ± 0.9 ( 64) | 12.0 ± 1.0 ( 64)* | 11.4 ± 0.9 ( 65) | 11.3 ± 0.7 ( 65) | 10.1 ± 0.7 ( 65)* |
| 53 | 11.5 ± 1.0 ( 58) | 12.5 ± 0.8 ( 58)* | 12.1 ± 0.8 ( 58)* | 11.7 ± 0.8 ( 59) | 10.4 ± 0.7 ( 57)* |
| 55 | 12.3 ± 1.0 ( 54) | 12.9 ± 0.9 ( 54)* | 12.5 ± 1.0 ( 55) | 12.0 ± 0.9 ( 55) | 10.6 ± 1.0 ( 55)* |
| 57 | 11.7 ± 0.8 ( 54) | 12.5 ± 1.2 ( 53)* | 12.0 ± 1.1 ( 55) | 11.8 ± 0.8 ( 55) | 10.2 ± 0.8 ( 55)* |
| 59 | 11.9 ± 0.7 ( 54) | 11.9 ± 0.7 ( 54) | 11.9 ± 0.9 ( 55) | 11.5 ± 0.6 ( 55)* | 10.0 ± 0.7 ( 55)* |
| 61 | 12.1 ± 0.8 ( 54) | 12.2 ± 0.8 ( 54) | 11.9 ± 0.9 ( 55) | 11.4 ± 0.6 ( 55)* | 9.7 ± 0.7 ( 55)* |
| 63 | 12.1 ± 1.1 ( 54) | 12.7 ± 0.8 ( 54)* | 12.3 ± 0.9 ( 55) | 11.3 ± 1.0 ( 55)* | 9.6 ± 0.7 ( 55)* |
| 65 | 12.4 ± 1.2 ( 54) | 12.5 ± 0.8 ( 54) | 12.3 ± 1.2 ( 55) | 11.6 ± 0.7 ( 55)* | 10.2 ± 0.7 ( 55)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 10 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE FOOD CONSUMPTION MEASUREMENTS (g/day)
[MEAN AND STANDARD DEVIATION (n)]

| TEST WEEK | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| 67 | 12.2 ± 1.1 ( 54) | 12.2 ± 1.4 ( 54) | 12.1 ± 1.0 ( 55) | 11.5 ± 0.8 ( 55)* | 10.2 ± 0.8 ( 55)* |
| 69 | 10.9 ± 1.1 ( 54) | 11.3 ± 1.2 ( 53) | 11.4 ± 1.2 ( 55)* | 10.7 ± 0.8 ( 55) | 9.7 ± 0.7 ( 55)* |
| 71 | 11.9 ± 1.0 ( 54) | 11.8 ± 1.2 ( 53) | 11.7 ± 1.6 ( 54) | 11.2 ± 0.7 ( 55)* | 9.6 ± 0.7 ( 55)* |
| 73 | 11.4 ± 1.4 ( 54) | 11.8 ± 1.3 ( 53) | 11.8 ± 1.0 ( 54) | 11.2 ± 0.9 ( 55) | 9.5 ± 0.6 ( 55)* |
| 75 | 11.6 ± 1.8 ( 54) | 12.5 ± 1.1 ( 53)* | 12.5 ± 1.1 ( 54)* | 11.9 ± 0.5 ( 55) | 10.2 ± 1.6 ( 55)* |
| 77 | 12.4 ± 1.2 ( 52) | 12.3 ± 0.9 ( 52) | 12.4 ± 0.9 ( 53) | 11.6 ± 0.8 ( 55)* | 10.3 ± 0.7 ( 55)* |
| 79 | 12.2 ± 1.2 ( 52) | 12.8 ± 1.0 ( 51)* | 12.9 ± 1.5 ( 53)* | 11.6 ± 0.8 ( 55)* | 10.6 ± 0.6 ( 55)* |
| 81 | 11.6 ± 1.3 ( 52) | 12.1 ± 1.0 ( 51)* | 12.0 ± 0.8 ( 53)* | 11.5 ± 0.9 ( 55) | 10.7 ± 0.9 ( 55)* |
| 83 | 12.0 ± 1.3 ( 51) | 12.2 ± 1.0 ( 51) | 12.3 ± 0.9 ( 53) | 11.7 ± 0.7 ( 54) | 10.8 ± 0.8 ( 54)* |
| 85 | 12.9 ± 1.5 ( 51) | 12.4 ± 1.3 ( 51) | 12.3 ± 1.4 ( 53)* | 11.9 ± 0.9 ( 54)* | 11.0 ± 0.9 ( 54)* |
| 87 | 12.4 ± 1.3 ( 51) | 12.6 ± 1.4 ( 50) | 13.0 ± 1.7 ( 51)* | 12.6 ± 0.8 ( 54) | 11.3 ± 1.0 ( 54)* |
| 89 | 12.3 ± 1.4 ( 51) | 12.4 ± 1.8 ( 50) | 12.9 ± 1.0 ( 50) | 12.2 ± 0.9 ( 54) | 11.2 ± 1.0 ( 54)* |
| 91 | 12.7 ± 1.4 ( 50) | 13.0 ± 1.6 ( 48) | 13.1 ± 1.6 ( 50) | 12.2 ± 1.1 ( 54) | 11.1 ± 1.1 ( 54)* |
| 93 | 12.4 ± 1.1 ( 49) | 12.6 ± 1.7 ( 48) | 12.7 ± 1.7 ( 50) | 12.2 ± 1.3 ( 53) | 10.9 ± 1.3 ( 53)* |
| 95 | 12.9 ± 1.0 ( 48) | 12.3 ± 1.9 ( 47) | 12.2 ± 2.3 ( 48) | 12.4 ± 1.6 ( 52) | 10.9 ± 1.3 ( 53)* |
| 97 | 12.5 ± 1.7 ( 48) | 12.0 ± 2.0 ( 46) | 12.4 ± 1.6 ( 46) | 12.1 ± 1.4 ( 51) | 11.1 ± 1.2 ( 52)* |
| 99 | 11.6 ± 1.8 ( 47) | 12.3 ± 1.7 ( 43)* | 12.5 ± 1.6 ( 43)* | 11.9 ± 1.5 ( 51) | 10.4 ± 1.5 ( 52)* |
| 101 | 11.4 ± 2.2 ( 44) | 12.9 ± 1.4 ( 41)* | 12.2 ± 1.9 ( 43)* | 11.7 ± 1.6 ( 50) | 10.3 ± 1.5 ( 50)* |
| 103 | 11.9 ± 2.4 ( 42) | 13.1 ± 1.4 ( 40)* | 12.1 ± 1.6 ( 42) | 11.6 ± 1.6 ( 48) | 11.0 ± 1.3 ( 48)* |
| 104 | 11.3 ± 1.8 ( 39) | 12.4 ± 1.8 ( 40)* | 11.8 ± 2.2 ( 41) | 11.2 ± 1.7 ( 48) | 10.6 ± 1.3 ( 48) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 11

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE HEMATOLOGY VALUES - TEST WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 45.8 ± 1.7 ( 10) | 44.6 ± 1.3 ( 10) | 45.2 ± 1.9 ( 10) | 44.5 ± 2.0 ( 10) | 40.7 ± 1.4 ( 10)* |
| HGB g/dl | 17.40 ± 0.49 ( 10) | 17.13 ± 0.39 ( 10) | 17.25 ± 0.56 ( 10) | 16.76 ± 0.43 ( 10)* | 15.31 ± 0.32 ( 10)* |
| MCV x $Um^3$ | 49 ± 1 ( 10) | 50 ± 1 ( 10) | 49 ± 1 ( 10) | 48 ± 1 ( 10)* | 48 ± 1 ( 10)* |
| MCH pg | 19.4 ± 0.4 ( 10) | 19.6 ± 0.6 ( 10) | 19.5 ± 0.7 ( 10) | 19.1 ± 0.9 ( 10) | 19.0 ± 0.7 ( 10) |
| MCHC g/dl | 39.1 ± 0.7 ( 10) | 39.5 ± 1.1 ( 10) | 39.5 ± 1.4 ( 10) | 39.3 ± 1.7 ( 10) | 39.2 ± 1.2 ( 10) |
| RBC $x10^6/mm^3$ | 9.25 ± 0.37 ( 10) | 8.98 ± 0.32 ( 10) | 9.14 ± 0.42 ( 10) | 9.13 ± 0.47 ( 10) | 8.37 ± 0.36 ( 10)* |
| WBC $x10^3/mm^3$ | 8.1 ± 1.0 ( 10) | 8.6 ± 1.5 ( 10) | 8.4 ± 1.3 ( 9) | 8.5 ± 1.5 ( 8) | 8.5 ± 0.8 ( 9) |
| PLT $x10^3/mm^3$ | 652 ± 109 ( 10) | 619 ± 105 ( 10) | 674 ± 115 ( 10) | 671 ± 157 ( 10) | 704 ± 111 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) |
| Ma $Nx10^3/mm^3$ | 1.5 ± 0.4 ( 10) | 1.4 ± 0.4 ( 10) | 1.3 ± 0.5 ( 9) | 1.6 ± 0.4 ( 8) | 1.6 ± 0.6 ( 9) |
| Lym $x10^3/mm^3$ | 6.5 ± 0.8 ( 10) | 7.0 ± 1.3 ( 10) | 6.9 ± 1.0 ( 9) | 6.7 ± 1.3 ( 8) | 6.9 ± 0.7 ( 9) |
| Mon $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.1 ± 0.1 ( 9) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) |
| Eos $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9)* | 0.1 ± 0.2 ( 8) | 0.1 ± 0.1 ( 9) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) |
| NRBC/100 wbc | 0 ± 0 ( 10) | 0 ± 0 ( 10) | 0 ± 0 ( 10) | 0 ± 1 ( 10) | 1 ± 1 ( 10) |
| RETIC %rbc | 1.3 ± 0.4 ( 10) | 1.3 ± 0.4 ( 10) | 1.3 ± 0.5 ( 10) | 1.3 ± 0.4 ( 10) | 1.5 ± 0.5 ( 10) |
| METHGB g/dl | 0.078 ±0.106 ( 10) | 0.110 ±0.120 ( 10) | 0.132 ±0.141 ( 10) | 0.277 ±0.258 ( 10)* | 0.234 ±0.126 ( 10) |
| % METHGB | 0.453 ±0.626 ( 10) | 0.639 ±0.696 ( 10) | 0.765 ±0.814 ( 10) | 1.634 ±1.539 ( 10)* | 1.503 ±0.807 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 12

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 44.1 ± 1.8 ( 10) | 43.8 ± 1.7 ( 9) | 44.2 ± 1.6 ( 10) | 43.4 ± 2.4 ( 9) | 41.8 ± 1.8 ( 10)* |
| HGB g/dl | 17.21 ± 0.45 ( 10) | 17.21 ± 0.40 ( 10) | 16.99 ± 0.29 ( 10) | 16.71 ± 0.54 ( 9)* | 15.74 ± 0.55 ( 10)* |
| MCV x $Um^3$ | 53 ± 1 ( 10) | 52 ± 2 ( 10)* | 52 ± 1 ( 10) | 52 ± 1 ( 9)* | 53 ± 1 ( 10) |
| MCH pg | 21.6 ± 0.8 ( 10) | 21.6 ± 0.8 ( 10) | 21.0 ± 0.6 ( 10) | 21.0 ± 1.0 ( 9) | 20.7 ± 0.7 ( 10)* |
| MCHC g/dl | 40.5 ± 1.3 ( 10) | 40.9 ± 1.6 ( 9) | 40.0 ± 1.0 ( 10) | 40.2 ± 1.9 ( 9) | 39.0 ± 1.3 ( 10)* |
| RBC $x10^6/mm^3$ | 8.25 ± 0.39 ( 10) | 8.22 ± 0.36 ( 10) | 8.42 ± 0.33 ( 10) | 8.26 ± 0.45 ( 9) | 7.82 ± 0.32 ( 10)* |
| WBC $x10^3/mm^3$ | 7.2 ± 1.2 ( 9) | 7.3 ± 1.7 ( 7) | 6.1 ± 0.9 ( 7) | 6.5 ± 1.9 ( 9) | 6.9 ± 1.5 ( 8) |
| PLT $x10^3/mm^3$ | 611 ± 149 ( 10) | 533 ± 222 ( 10) | 654 ± 143 ( 10) | 580 ± 186 ( 10) | 737 ± 194 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 7) | 0.0 ± 0.0 ( 7) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 8) |
| Ma $Nx10^3/mm^3$ | 1.3 ± 0.5 ( 9) | 1.1 ± 0.5 ( 7) | 1.0 ± 0.3 ( 7) | 1.2 ± 0.3 ( 9) | 1.0 ± 0.5 ( 8) |
| Lym $x10^3/mm^3$ | 5.8 ± 1.1 ( 9) | 6.0 ± 1.8 ( 7) | 5.1 ± 0.9 ( 7) | 5.2 ± 1.7 ( 9) | 5.8 ± 1.4 ( 8) |
| Mon $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 7) | 0.0 ± 0.1 ( 7) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.1 ( 8) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 7) | 0.1 ± 0.1 ( 7) | 0.1 ± 0.1 ( 9) | 0.0 ± 0.0 ( 8) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 7) | 0.0 ± 0.0 ( 7) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 8) |
| NRBC/100 wbc | 0 ± 0 ( 10) | 0 ± 0 ( 10) | 0 ± 1 ( 10) | 1 ± 1 ( 10)* | 0 ± 1 ( 10) |
| RETIC %rbc | 1.1 ± 0.3 ( 10) | 0.9 ± 0.2 ( 9) | 1.0 ± 0.3 ( 10) | 1.0 ± 0.4 ( 9) | 1.4 ± 0.6 ( 10) |
| METHGB g/dl | 0.177 ±0.122 ( 10) | 0.122 ±0.169 ( 10) | 0.205 ±0.281 ( 10) | 0.191 ±0.127 ( 10) | 0.116 ±0.125 ( 10) |
| % METHGB | 1.023 ±0.706 ( 10) | 0.701 ±0.959 ( 10) | 1.180 ±1.603 ( 10) | 1.207 ±0.720 ( 9) | 0.741 ±0.802 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 13

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE HEMATOLOGY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 44.2 ± 1.3 ( 10) | 43.9 ± 1.5 ( 10) | 43.9 ± 1.1 ( 10) | 43.5 ± 1.2 ( 10) | 39.9 ± 1.7 ( 10)* |
| HGB g/dl | 16.62 ± 0.36 ( 10) | 16.15 ± 0.39 ( 10)* | 16.31 ± 0.36 ( 10) | 16.04 ± 0.39 ( 10)* | 14.26 ± 0.46 ( 10)* |
| MCV x Um³ | 49 ± 1 ( 10) | 48 ± 1 ( 10) | 48 ± 1 ( 10) | 48 ± 0 ( 10)* | 47 ± 1 ( 10)* |
| MCH pg | 19.5 ± 0.8 ( 10) | 19.2 ± 0.5 ( 10) | 19.3 ± 0.6 ( 10) | 19.0 ± 0.3 ( 10) | 18.4 ± 0.7 ( 10)* |
| MCHC g/dl | 39.9 ± 1.4 ( 10) | 39.5 ± 0.9 ( 10) | 39.7 ± 1.2 ( 10) | 39.6 ± 0.7 ( 10) | 38.7 ± 1.4 ( 10)* |
| RBC $x10^6/mm^3$ | 9.05 ± 0.33 ( 10) | 8.99 ± 0.35 ( 10) | 9.03 ± 0.27 ( 10) | 9.04 ± 0.27 ( 10) | 8.34 ± 0.35 ( 10)* |
| WBC $x10^3/mm^3$ | 7.9 ± 0.6 ( 10) | 8.8 ± 0.9 ( 10) | 9.5 ± 1.7 ( 10)* | 8.3 ± 1.7 ( 10) | 8.8 ± 1.4 ( 10) |
| PLT $x10^3/mm^3$ | 711 ± 162 ( 10) | 659 ± 170 ( 10) | 601 ± 137 ( 10) | 640 ± 125 ( 10) | 784 ± 181 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) |
| Ma $Nx10^3/mm^3$ | 1.8 ± 0.4 ( 10) | 2.0 ± 0.5 ( 10) | 2.2 ± 0.9 ( 10) | 1.6 ± 0.7 ( 10) | 2.0 ± 1.0 ( 10) |
| Lym $x10^3/mm^3$ | 5.9 ± 0.8 ( 10) | 6.6 ± 1.1 ( 10) | 7.1 ± 0.9 ( 10) | 6.4 ± 1.7 ( 10) | 6.7 ± 1.7 ( 10) |
| Mon $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.0 ( 10) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.2 ± 0.2 ( 10) | 0.2 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) |
| NRBC/100 wbc | 0 ± 1 ( 10) | 1 ± 1 ( 10) | 0 ± 1 ( 10) | 0 ± 1 ( 10) | 1 ± 2 ( 10) |
| RETIC %rbc | 1.7 ± 0.3 ( 10) | 1.8 ± 0.3 ( 10) | 1.6 ± 0.6 ( 10) | 1.6 ± 0.4 ( 10) | 2.3 ± 0.4 ( 10)* |
| METHGB g/dl | 0.543 ±0.141 ( 10) | 0.646 ±0.122 ( 10) | 0.600 ±0.107 ( 10) | 0.701 ±0.149 ( 10)* | 0.697 ±0.134 ( 10)* |
| % METHGB | 3.167 ±0.829 ( 10) | 3.848 ±0.740 ( 10) | 3.547 ±0.633 ( 10) | 4.174 ±0.793 ( 10)* | 4.649 ±0.807 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 14

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 42.7 ± 1.3 ( 10) | 41.4 ± 1.4 ( 9) | 42.5 ± 1.6 ( 10) | 43.1 ± 1.0 ( 10) | 39.1 ± 1.6 ( 10)* |
| HGB g/dl | 16.10 ± 0.66 ( 10) | 15.76 ± 0.67 ( 9) | 15.97 ± 0.66 ( 10) | 16.02 ± 0.44 ( 10) | 14.28 ± 0.72 ( 10)* |
| MCV x $Um^3$ | 53 ± 1 ( 10) | 53 ± 1 ( 9) | 53 ± 1 ( 10) | 52 ± 0 ( 10)* | 52 ± 1 ( 10)* |
| MCH pg | 21.6 ± 0.8 ( 10) | 21.8 ± 0.6 ( 9) | 21.3 ± 0.5 ( 10) | 20.9 ± 0.4 ( 10)* | 20.9 ± 0.5 ( 10)* |
| MCHC g/dl | 40.3 ± 1.6 ( 10) | 40.8 ± 1.1 ( 9) | 40.3 ± 0.6 ( 10) | 39.7 ± 0.7 ( 10) | 39.5 ± 0.8 ( 10) |
| RBC $x10^6/mm^3$ | 7.95 ± 0.27 ( 10) | 7.69 ± 0.31 ( 9) | 7.98 ± 0.36 ( 10) | 8.12 ± 0.22 ( 10) | 7.34 ± 0.33 ( 10)* |
| WBC $x10^3/mm^3$ | 5.5 ± 1.1 ( 9) | 5.5 ± 0.8 ( 5) | 4.9 ± 0.7 ( 8) | 5.8 ± 1.0 ( 9) | 6.3 ± 2.3 ( 10) |
| PLT $x10^3/mm^3$ | 726 ± 229 ( 10) | 623 ± 247 ( 9) | 651 ± 199 ( 10) | 718 ± 234 ( 10) | 800 ± 168 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 5) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| Ma $Nx10^3/mm^3$ | 1.2 ± 0.8 ( 9) | 1.1 ± 0.5 ( 5) | 0.9 ± 0.2 ( 8) | 1.1 ± 0.4 ( 9) | 1.2 ± 0.4 ( 10) |
| Lym $x10^3/mm^3$ | 4.2 ± 0.9 ( 9) | 4.3 ± 0.8 ( 5) | 4.0 ± 0.7 ( 8) | 4.6 ± 1.0 ( 9) | 5.0 ± 2.0 ( 10) |
| Mon $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 5) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| Eos $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.1 ± 0.1 ( 5) | 0.0 ± 0.1 ( 8) | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 5) | 0.0 ± 0.0 ( 8) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| NRBC/100 wbc | 1 ± 1 ( 10) | 1 ± 1 ( 9) | 1 ± 1 ( 10) | 1 ± 1 ( 10) | 1 ± 2 ( 10) |
| RETIC %rbc | 1.6 ± 0.4 ( 10) | 1.6 ± 0.4 ( 9) | 1.5 ± 0.3 ( 10) | 1.8 ± 0.7 ( 10) | 2.0 ± 0.6 ( 10) |
| METHGB g/dl | 0.624 ±0.157 ( 10) | 0.586 ±0.182 ( 9) | 0.680 ±0.074 ( 10) | 0.588 ±0.187 ( 10) | 0.669 ±0.125 ( 10) |
| % METHGB | 3.739 ±0.973 ( 10) | 3.578 ±1.086 ( 9) | 4.086 ±0.429 ( 10) | 3.545 ±1.143 ( 10) | 4.474 ±0.823 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 15

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE HEMATOLOGY VALUES - TEST WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 44.5 ± 1.9 ( 10) | 43.6 ± 2.7 ( 10) | 42.8 ± 2.2 ( 10) | 42.2 ± 0.9 ( 10)* | 40.2 ± 2.0 ( 10)* |
| HGB g/dl | 17.07 ± 0.23 ( 10) | 16.94 ± 0.33 ( 10) | 16.40 ± 0.56 ( 10)* | 16.31 ± 0.40 ( 10)* | 14.90 ± 0.66 ( 10)* |
| MCV x $Um^3$ | 49 ± 3 ( 10) | 48 ± 2 ( 10) | 48 ± 3 ( 10) | 47 ± 1 ( 10) | 47 ± 1 ( 9) |
| MCH pg | 18.5 ± 0.2 ( 10) | 18.6 ± 0.4 ( 10) | 18.4 ± 0.4 ( 10) | 18.3 ± 0.6 ( 10) | 17.9 ± 0.6 ( 10)* |
| MCHC g/dl | 38.6 ± 1.8 ( 10) | 39.3 ± 2.0 ( 10) | 38.9 ± 2.0 ( 10) | 39.4 ± 1.0 ( 10) | 38.8 ± 1.0 ( 9) |
| RBC $x10^6/mm^3$ | 9.19 ± 0.17 ( 10) | 9.13 ± 0.25 ( 10) | 9.01 ± 0.35 ( 10) | 9.01 ± 0.23 ( 10) | 8.53 ± 0.34 ( 10)* |
| WBC $x10^3/mm^3$ | 7.5 ± 0.6 ( 10) | 7.7 ± 1.2 ( 10) | 7.9 ± 1.2 ( 9) | 7.8 ± 0.8 ( 10) | 8.9 ± 1.1 ( 9)* |
| PLT $x10^3/mm^3$ | 565 ± 70 ( 10) | 494 ± 125 ( 10) | 681 ± 189 ( 10) | 652 ± 130 ( 10) | 753 ± 245 ( 10)* |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) |
| Ma $Nx10^3/mm^3$ | 1.5 ± 0.5 ( 10) | 1.6 ± 0.3 ( 10) | 1.7 ± 0.8 ( 9) | 1.7 ± 0.5 ( 10) | 1.5 ± 0.5 ( 9) |
| Lym $x10^3/mm^3$ | 5.7 ± 0.8 ( 10) | 5.9 ± 1.1 ( 10) | 6.0 ± 0.8 ( 9) | 5.8 ± 0.9 ( 10) | 7.3 ± 1.4 ( 9)* |
| Mon $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.2 ± 0.2 ( 10) | 0.1 ± 0.1 ( 9) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) |
| NRBC/100 wbc | 0 ± 1 ( 10) | 0 ± 1 ( 10) | 0 ± 0 ( 10) | 1 ± 2 ( 10) | 1 ± 1 ( 10) |
| RETIC %rbc | 1.6 ± 0.4 ( 9) | 1.6 ± 0.6 ( 10) | 1.4 ± 0.5 ( 10) | 1.4 ± 0.8 ( 9) | 2.7 ± 0.8 ( 10)* |
| METHGB g/dl | 0.179 ±0.138 ( 10) | 0.261 ±0.110 ( 10) | 0.322 ±0.131 ( 10) | 0.395 ±0.169 ( 10)* | 0.558 ±0.333 ( 10)* |
| % METHGB | 1.037 ±0.796 ( 10) | 1.517 ±0.637 ( 10) | 1.928 ±0.787 ( 10) | 2.357 ±0.990 ( 10)* | 3.632 ±2.205 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 16

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 41.8 ± 0.7 ( 10) | 42.5 ± 0.9 ( 10) | 43.6 ± 2.7 ( 10)* | 42.8 ± 1.4 ( 10) | 39.2 ± 1.7 ( 10)* |
| HGB g/dl | 16.53 ± 0.56 ( 10) | 16.99 ± 0.36 ( 10) | 16.97 ± 0.81 ( 10) | 16.64 ± 0.79 ( 10) | 14.80 ± 0.69 ( 10)* |
| MCV x $Um^3$ | 52 ± 2 ( 10) | 52 ± 1 ( 10) | 53 ± 2 ( 10) | 52 ± 1 ( 10) | 52 ± 1 ( 10) |
| MCH pg | 20.7 ± 0.6 ( 10) | 20.4 ± 0.2 ( 10) | 20.5 ± 0.5 ( 10) | 20.2 ± 0.5 ( 10)* | 20.0 ± 0.4 ( 10)* |
| MCHC g/dl | 40.0 ± 1.0 ( 10) | 40.2 ± 0.6 ( 10) | 39.4 ± 2.0 ( 10) | 39.4 ± 1.1 ( 10) | 38.5 ± 1.3 ( 10)* |
| RBC $x10^6/mm^3$ | 8.01 ± 0.24 ( 10) | 8.28 ± 0.15 ( 10) | 8.28 ± 0.42 ( 10) | 8.29 ± 0.27 ( 10) | 7.49 ± 0.33 ( 10)* |
| WBC $x10^3/mm^3$ | 5.0 ± 0.6 ( 10) | 4.7 ± 0.4 ( 9) | 5.5 ± 1.4 ( 10) | 4.9 ± 0.9 ( 10) | 5.2 ± 1.0 ( 8) |
| PLT $x10^3/mm^3$ | 516 ± 90 ( 10) | 563 ± 131 ( 10) | 669 ± 160 ( 10) | 473 ± 185 ( 10) | 773 ± 197 ( 10)* |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 8) |
| Ma $Nx10^3/mm^3$ | 0.9 ± 0.5 ( 10) | 0.8 ± 0.1 ( 9) | 1.3 ± 0.9 ( 10) | 0.9 ± 0.3 ( 10) | 0.9 ± 0.3 ( 8) |
| Lym $x10^3/mm^3$ | 4.0 ± 0.6 ( 10) | 3.8 ± 0.4 ( 9) | 4.0 ± 0.7 ( 10) | 3.9 ± 0.8 ( 10) | 4.2 ± 1.0 ( 8) |
| Mon $x10^3/mm^3$ | 0.0 ± 0.1 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 8) |
| Eos $x10^3/mm^3$ | 0.0 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 10) | 0.0 ± 0.1 ( 8) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 8) |
| NRBC/100 wbc | 1 ± 1 ( 10) | 1 ± 1 ( 10) | 1 ± 1 ( 10) | 0 ± 0 ( 10)* | 1 ± 2 ( 10) |
| RETIC %rbc | 1.6 ± 0.5 ( 10) | 1.6 ± 0.5 ( 10) | 0.9 ± 0.3 ( 10)* | 1.6 ± 0.6 ( 10) | 2.5 ± 0.6 ( 10)* |
| METHGB g/dl | 0.255 ±0.179 ( 10) | 0.199 ±0.142 ( 10) | 0.270 ±0.176 ( 10) | 0.312 ±0.199 ( 10) | 0.385 ±0.200 ( 10) |
| % METHGB | 1.527 ±1.068 ( 10) | 1.159 ±0.831 ( 10) | 1.576 ±1.029 ( 10) | 1.866 ±1.235 ( 10) | 2.552 ±1.399 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 17

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE HEMATOLOGY VALUES - TEST WEEK 78
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 43.8 ± 4.4 ( 10) | 43.9 ± 4.7 ( 10) | 41.0 ± 8.4 ( 10) | 41.4 ± 2.6 ( 9) | 41.1 ± 1.8 ( 10) |
| HGB g/dl | 16.35 ± 1.76 ( 10) | 16.50 ± 2.02 ( 10) | 15.12 ± 3.65 ( 10) | 15.18 ± 1.17 ( 9) | 14.59 ± 0.56 ( 10) |
| MCV x Um³ | 51 ± 5 ( 10) | 49 ± 1 ( 10) | 56 ± 15 ( 10) | 51 ± 3 ( 9) | 49 ± 1 ( 10) |
| MCH pg | 19.9 ± 1.8 ( 10) | 19.3 ± 0.9 ( 10) | 22.0 ± 6.1 ( 10) | 19.5 ± 0.9 ( 9) | 18.7 ± 0.6 ( 10) |
| MCHC g/dl | 38.5 ± 1.1 ( 10) | 38.8 ± 1.2 ( 10) | 38.5 ± 1.3 ( 10) | 38.2 ± 0.9 ( 9) | 37.6 ± 1.1 ( 10) |
| RBC $x10^6/mm^3$ | 8.46 ± 1.34 ( 10) | 8.70 ± 1.09 ( 10) | 7.63 ± 2.15 ( 10) | 8.01 ± 0.75 ( 9) | 8.14 ± 0.37 ( 10) |
| WBC $x10^3/mm^3$ | 7.2 ± 1.5 ( 10) | 6.7 ± 0.7 ( 9) | 8.3 ± 3.6 ( 10) | 7.6 ± 1.8 ( 9) | 8.0 ± 1.0 ( 10) |
| PLT $x10^3/mm^3$ | 564 ± 112 ( 10) | 695 ± 162 ( 10) | 644 ± 235 ( 10) | 702 ± 124 ( 9) | 876 ± 116 ( 10)* |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| Ma $Nx10^3/mm^3$ | 2.3 ± 1.5 ( 10) | 2.3 ± 0.7 ( 9) | 1.9 ± 0.9 ( 10) | 2.0 ± 1.5 ( 9) | 2.5 ± 1.0 ( 10) |
| Lym $x10^3/mm^3$ | 4.6 ± 1.3 ( 10) | 4.2 ± 0.8 ( 9) | 6.1 ± 3.0 ( 10) | 5.2 ± 0.7 ( 9) | 5.3 ± 1.3 ( 10) |
| Mon $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.2 ± 0.2 ( 10) | 0.2 ± 0.3 ( 9) | 0.1 ± 0.1 ( 10) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| NRBC/100 wbc | 5 ± 13 ( 10) | 4 ± 11 ( 10) | 3 ± 4 ( 10) | 5 ± 11 ( 9) | 2 ± 2 ( 10) |
| RETIC %rbc | 0.9 ± 0.6 ( 10) | 1.3 ± 1.2 ( 10) | 1.0 ± 0.6 ( 9) | 1.6 ± 0.6 ( 9) | 1.4 ± 1.0 ( 10) |
| METHGB g/dl | 0.127 ±0.110 ( 10) | 0.147 ±0.145 ( 10) | 0.323 ±0.335 ( 10) | 0.272 ±0.122 ( 9) | 0.500 ±0.187 ( 10)* |
| %METHGB | 0.805 ±0.760 ( 10) | 0.904 ±0.912 ( 10) | 3.148 ±5.602 ( 10) | 1.749 ±0.768 ( 9) | 3.319 ±1.280 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 18

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 78
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 44.1 ± 1.2 ( 10) | 44.3 ± 1.3 ( 10) | 43.1 ± 5.2 ( 10) | 43.9 ± 1.5 ( 10) | 40.7 ± 1.3 ( 10)* |
| HGB g/dl | 16.63 ± 0.58 ( 10) | 16.60 ± 0.56 ( 10) | 16.10 ± 2.11 ( 10) | 16.27 ± 0.43 ( 10) | 14.52 ± 0.38 ( 10)* |
| MCV x $Um^3$ | 54 ± 1 ( 10) | 54 ± 1 ( 10) | 56 ± 5 ( 10) | 53 ± 1 ( 10) | 54 ± 1 ( 10) |
| MCH pg | 21.5 ± 0.4 ( 10) | 21.4 ± 0.5 ( 10) | 22.1 ± 2.2 ( 10) | 21.0 ± 0.5 ( 10) | 20.6 ± 0.7 ( 10) |
| MCHC g/dl | 39.3 ± 1.1 ( 10) | 39.0 ± 0.7 ( 10) | 38.8 ± 0.6 ( 10) | 38.7 ± 0.7 ( 10) | 37.8 ± 0.9 ( 10)* |
| RBC $x10^6/mm^3$ | 7.94 ± 0.29 ( 10) | 7.97 ± 0.18 ( 10) | 7.58 ± 1.43 ( 10) | 7.98 ± 0.34 ( 10) | 7.38 ± 0.27 ( 10) |
| WBC $x10^3/mm^3$ | 4.5 ± 0.8 ( 10) | 4.5 ± 0.7 ( 10) | 5.1 ± 1.1 ( 10) | 4.8 ± 1.1 ( 10) | 5.7 ± 1.6 ( 10)* |
| PLT $x10^3/mm^3$ | 642 ± 156 ( 10) | 517 ± 181 ( 10) | 650 ± 103 ( 10) | 666 ± 118 ( 10) | 825 ± 162 ( 10)* |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) |
| Ma $Nx10^3/mm^3$ | 1.2 ± 0.4 ( 10) | 0.9 ± 0.3 ( 10) | 1.4 ± 0.8 ( 10) | 1.2 ± 0.6 ( 10) | 1.3 ± 0.8 ( 10) |
| Lym $x10^3/mm^3$ | 3.2 ± 0.9 ( 10) | 3.4 ± 0.6 ( 10) | 3.6 ± 0.5 ( 10) | 3.5 ± 0.6 ( 10) | 4.3 ± 1.8 ( 10)* |
| Mon $x10^3/mm^3$ | 0.0 ± 0.1 ( 10) | 0.0 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.0 ( 10) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.0 ( 10) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) |
| NRBC/100 wbc | 1 ± 2 ( 10) | 2 ± 2 ( 10) | 4 ± 7 ( 10) | 3 ± 3 ( 10) | 1 ± 1 ( 10) |
| RETIC %rbc | 0.9 ± 0.4 ( 10) | 1.2 ± 0.6 ( 10) | 0.9 ± 0.3 ( 9) | 1.4 ± 0.9 ( 10) | 1.6 ± 1.1 ( 10) |
| METHGB g/dl | 0.294 ±0.170 ( 10) | 0.283 ±0.161 ( 10) | 0.251 ±0.211 ( 10) | 0.299 ±0.145 ( 10) | 0.500 ±0.226 ( 10)* |
| %METHGB | 1.738 ±1.024 ( 10) | 1.682 ±0.971 ( 10) | 1.575 ±1.303 ( 10) | 1.809 ±0.894 ( 10) | 3.326 ±1.505 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 19

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE HEMATOLOGY VALUES - TEST WEEK 104
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 43.3 ± 9.6 ( 10) | 42.8 ± 3.8 ( 10) | 43.2 ± 5.5 ( 10) | 41.2 ± 5.3 ( 10) | 33.9 ± 7.4 ( 10)* |
| HGB g/dl | 15.79 ± 3.87 ( 10) | 15.65 ± 1.46 ( 10) | 15.53 ± 2.45 ( 10) | 15.14 ± 2.17 ( 10) | 11.65 ± 3.15 ( 10)* |
| MCV x $Um^3$ | 56 ± 12 ( 10) | 52 ± 2 ( 10) | 57 ± 12 ( 10) | 52 ± 2 ( 10) | 52 ± 5 ( 10) |
| MCH pg | 21.1 ± 4.4 ( 10) | 20.0 ± 0.9 ( 10) | 21.2 ± 3.7 ( 10) | 20.0 ± 0.6 ( 10) | 19.0 ± 1.7 ( 10) |
| MCHC g/dl | 37.4 ± 1.1 ( 10) | 37.6 ± 0.4 ( 10) | 37.1 ± 1.4 ( 10) | 37.6 ± 0.5 ( 10) | 35.7 ± 2.1 ( 10)* |
| RBC $x10^6/mm^3$ | 8.05 ± 2.36 ( 10) | 8.02 ± 1.00 ( 10) | 7.73 ± 1.81 ( 10) | 7.73 ± 1.15 ( 10) | 6.34 ± 1.64 ( 10)* |
| WBC $x10^3/mm^3$ | 16.7 ± 31.1 ( 10) | 7.0 ± 2.1 ( 10) | 10.6 ± 8.7 ( 10) | 8.9 ± 3.3 ( 10) | 10.1 ± 4.2 ( 9) |
| PLT $x10^3/mm^3$ | 327 ± 127 ( 10) | 292 ± 105 ( 10) | 339 ± 80 ( 10) | 380 ± 79 ( 10) | 403 ± 135 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) |
| Ma $Nx10^3/mm^3$ | 2.3 ± 0.9 ( 10) | 2.5 ± 0.9 ( 10) | 2.9 ± 1.6 ( 10) | 3.4 ± 2.4 ( 10) | 3.9 ± 3.2 ( 9) |
| Lym $x10^3/mm^3$ | 14.2 ± 31.3 ( 10) | 4.3 ± 1.6 ( 10) | 7.5 ± 7.1 ( 10) | 5.4 ± 1.6 ( 10) | 6.1 ± 1.7 ( 9) |
| Mon $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 10) | 0.1 ± 0.1 ( 9) |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) |
| NRBC/100 wbc | 4 ± 4 ( 10) | 26 ± 70 ( 10) | 6 ± 5 ( 10) | 4 ± 6 ( 10) | 5 ± 4 ( 10) |
| RETIC %rbc | 1.3 ± 0.8 ( 10) | 2.4 ± 2.2 ( 10) | 2.4 ± 2.2 ( 10) | 1.9 ± 1.3 ( 10) | 3.6 ± 2.7 ( 8)* |
| METHGB g/dl | 0.144 ±0.081 ( 10) | 0.111 ±0.072 ( 10) | 0.232 ±0.245 ( 10) | 0.111 ±0.080 ( 10) | 0.270 ±0.111 ( 10) |
| % METHGB | 1.206 ±1.469 ( 10) | 0.695 ±0.465 ( 10) | 1.506 ±1.512 ( 10) | 0.765 ±0.556 ( 10) | 2.346 ±0.973 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 20

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE HEMATOLOGY VALUES - TEST WEEK 104
[MEAN AND STANDARD DEVIATION (n)]

| HEMATOLOGY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| HCT % | 42.8 ± 2.1 ( 10) | 40.2 ± 6.0 ( 10) | 41.0 ± 5.4 ( 10) | 41.4 ± 2.6 ( 10) | 39.6 ± 2.4 ( 10) |
| HGB g/dl | 15.91 ± 0.76 ( 10) | 14.94 ± 2.70 ( 10) | 15.12 ± 2.24 ( 10) | 15.17 ± 1.06 ( 10) | 14.02 ± 1.12 ( 10)* |
| MCV x $Um^3$ | 55 ± 1 ( 10) | 55 ± 3 ( 10) | 55 ± 2 ( 10) | 54 ± 2 ( 10) | 56 ± 8 ( 10) |
| MCH pg | 21.2 ± 0.5 ( 10) | 21.2 ± 0.9 ( 10) | 21.3 ± 0.7 ( 10) | 20.5 ± 0.9 ( 10) | 21.1 ± 2.7 ( 10) |
| MCHC g/dl | 38.3 ± 0.6 ( 10) | 38.0 ± 1.8 ( 10) | 38.2 ± 0.7 ( 10) | 37.7 ± 0.5 ( 10) | 36.8 ± 0.8 ( 10)* |
| RBC $x10^6/mm^3$ | 7.66 ± 0.44 ( 10) | 7.15 ± 1.24 ( 10) | 7.28 ± 1.15 ( 10) | 7.53 ± 0.48 ( 10) | 6.96 ± 1.04 ( 10) |
| WBC $x10^3/mm^3$ | 5.3 ± 0.6 ( 9) | 7.8 ± 4.4 ( 9) | 5.9 ± 1.6 ( 10) | 6.5 ± 1.9 ( 9) | 7.1 ± 3.7 ( 10) |
| PLT $x10^3/mm^3$ | 300 ± 81 ( 10) | 326 ± 49 ( 10) | 382 ± 108 ( 10) | 311 ± 126 ( 10) | 357 ± 64 ( 10) |
| Im $Nx10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| Ma $Nx10^3/mm^3$ | 1.4 ± 0.3 ( 9) | 2.5 ± 2.0 ( 9) | 1.8 ± 0.8 ( 10) | 2.8 ± 2.3 ( 9) | 1.9 ± 1.6 ( 10) |
| Lym $x10^3/mm^3$ | 3.7 ± 0.7 ( 9) | 5.2 ± 3.3 ( 9) | 3.9 ± 1.3 ( 10) | 3.7 ± 1.1 ( 9) | 5.1 ± 2.8 ( 10) |
| Mon $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 9) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 9) | 0.0 ± 0.0 ( 10) |
| Eos $x10^3/mm^3$ | 0.1 ± 0.1 ( 9) | 0.0 ± 0.1 ( 9) | 0.1 ± 0.1 ( 10) | 0.0 ± 0.1 ( 9) | 0.0 ± 0.0 ( 10)* |
| Bas $x10^3/mm^3$ | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) | 0.0 ± 0.0 ( 9) | 0.0 ± 0.0 ( 10) |
| NRBC/100 wbc | 10 ± 17 ( 10) | 7 ± 7 ( 10) | 3 ± 3 ( 10) | 3 ± 2 ( 10) | 3 ± 2 ( 10) |
| RETIC %rbc | 1.7 ± 0.8 ( 10) | 2.3 ± 4.1 ( 9) | 1.2 ± 0.8 ( 10) | 1.3 ± 0.4 ( 10) | 3.3 ± 5.0 ( 10) |
| METHGB g/dl | 0.153 ±0.128 ( 10) | 0.086 ±0.073 ( 10) | 0.199 ±0.191 ( 10) | 0.149 ±0.134 ( 10) | 0.246 ±0.129 ( 10) |
| % METHGB | 0.955 ±0.789 ( 10) | 0.648 ±0.634 ( 10) | 1.472 ±1.856 ( 10) | 0.984 ±0.905 ( 10) | 1.723 ±0.882 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 21

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 97 ± 12 ( 10) | 101 ± 16 ( 10) | 100 ± 19 ( 10) | 101 ± 17 ( 10) | 100 ± 13 ( 10) |
| BUN mg/dl | 16 ± 1 ( 10) | 15 ± 2 ( 10) | 16 ± 2 ( 10) | 17 ± 2 ( 10) | 17 ± 1 ( 10) |
| SGPT Iu/l | 22 ± 4 ( 10) | 22 ± 5 ( 10) | 20 ± 8 ( 9) | 20 ± 5 ( 9) | 19 ± 7 ( 9) |
| TRIG mg/dl | 127 ± 25 ( 10) | 120 ± 31 ( 10) | 138 ± 47 ( 10) | 121 ± 49 ( 10) | 142 ± 44 ( 10) |
| T PRO g/dl | 6.4 ± 0.2 ( 10) | 6.4 ± 0.1 ( 10) | 6.5 ± 0.2 ( 10) | 6.6 ± 0.3 ( 10) | 7.1 ± 0.3 ( 10)* |
| ALB g/dl | 4.2 ± 0.1 ( 10) | 4.2 ± 0.1 ( 10) | 4.3 ± 0.1 ( 10) | 4.3 ± 0.2 ( 10) | 4.5 ± 0.1 ( 10)* |
| CHOL mg/dl | 65 ± 9 ( 10) | 67 ± 7 ( 10) | 70 ± 5 ( 10) | 74 ± 8 ( 10)* | 106 ± 10 ( 10)* |
| D BIL mg/dl | 0.06 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) | 0.06 ± 0.02 ( 10) | 0.05 ± 0.02 ( 10) | 0.07 ± 0.03 ( 10) |
| T BIL mg/dl | 0.18 ± 0.03 ( 10) | 0.17 ± 0.02 ( 10) | 0.19 ± 0.04 ( 10) | 0.17 ± 0.04 ( 10) | 0.23 ± 0.07 ( 10) |
| CA mg/dl | 10.1 ± 0.4 ( 10) | 10.4 ± 0.8 ( 10) | 10.3 ± 0.4 ( 10) | 10.3 ± 0.5 ( 10) | 10.6 ± 0.8 ( 10) |
| Na mMol/l | 148 ± 5 ( 10) | 148 ± 3 ( 10) | 152 ± 7 ( 10) | 151 ± 5 ( 10) | 153 ± 6 ( 10) |
| K mMol/l | 4.9 ± 0.3 ( 10) | 5.1 ± 0.3 ( 10) | 5.1 ± 0.3 ( 10) | 5.2 ± 0.2 ( 10) | 5.5 ± 0.5 ( 10)* |
| Cl Meq/l | 108 ± 2 ( 10) | 109 ± 2 ( 10) | 109 ± 3 ( 10) | 109 ± 2 ( 10) | 109 ± 3 ( 10) |
| CPK Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| LDH Iu/l | 643 ± 332 ( 10) | 685 ± 207 ( 10) | 704 ± 228 ( 9) | 672 ± 211 ( 10) | 715 ± 242 ( 9) |
| A Phos Iu/l | 82 ± 8 ( 10) | 79 ± 6 ( 10) | 75 ± 9 ( 10)* | 77 ± 7 ( 10) | 66 ± 6 ( 10)* |
| GLOB g/dl | 2.2 ± 0.1 ( 10) | 2.2 ± 0.2 ( 10) | 2.3 ± 0.1 ( 10) | 2.3 ± 0.2 ( 10) | 2.6 ± 0.2 ( 10)* |
| ALB/GLOB | 2.0 ± 0.1 ( 10) | 1.9 ± 0.2 ( 10) | 1.9 ± 0.1 ( 10) | 1.9 ± 0.1 ( 10) | 1.8 ± 0.1 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 22

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 14
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 90 ± 12 ( 10) | 93 ± 13 ( 10) | 83 ± 10 ( 10) | 86 ± 11 ( 10) | 94 ± 18 ( 10) |
| BUN mg/dl | 16 ± 1 ( 10) | 17 ± 2 ( 10) | 17 ± 2 ( 10) | 16 ± 3 ( 10) | 16 ± 1 ( 10) |
| SGPT Iu/l | 16 ± 2 ( 9) | 18 ± 2 ( 9) | 17 ± 3 ( 10) | 17 ± 6 ( 10) | 16 ± 3 ( 9) |
| TRIG mg/dl | 43 ± 12 ( 10) | 45 ± 8 ( 10) | 57 ± 25 ( 10) | 47 ± 19 ( 10) | 45 ± 14 ( 10) |
| T PRO g/dl | 6.3 ± 0.3 ( 10) | 6.2 ± 0.3 ( 10) | 6.3 ± 0.3 ( 10) | 6.4 ± 0.3 ( 10) | 6.5 ± 0.2 ( 10) |
| ALB g/dl | 4.2 ± 0.1 ( 10) | 4.1 ± 0.2 ( 10) | 4.2 ± 0.2 ( 10) | 4.3 ± 0.2 ( 10) | 4.3 ± 0.1 ( 10) |
| CHOL mg/dl | 113 ± 10 ( 10) | 109 ± 11 ( 10) | 114 ± 12 ( 10) | 121 ± 14 ( 10) * | 145 ± 13 ( 10)* |
| D BIL mg/dl | 0.05 ± 0.02 ( 10) | 0.05 ± 0.01 ( 10) | 0.06 ± 0.02 ( 10) | 0.05 ± 0.03 ( 10) | 0.04 ± 0.00 ( 10) |
| T BIL mg/dl | 0.16 ± 0.05 ( 10) | 0.16 ± 0.02 ( 10) | 0.18 ± 0.07 ( 10) | 0.17 ± 0.07 ( 10) | 0.15 ± 0.03 ( 10) |
| CA mg/dl | 9.9 ± 0.3 ( 10) | 9.9 ± 0.3 ( 10) | 10.0 ± 0.4 ( 10) | 10.2 ± 0.9 ( 10) | 10.0 ± 0.4 ( 10) |
| Na mMol/l | 150 ± 6 ( 10) | 151 ± 6 ( 10) | 150 ± 4 ( 10) | 150 ± 4 ( 10) | 151 ± 5 ( 10) |
| K mMol/l | 5.1 ± 0.3 ( 10) | 5.0 ± 0.4 ( 10) | 5.1 ± 0.2 ( 10) | 5.0 ± 0.3 ( 10) | 5.1 ± 0.2 ( 10) |
| Cl Meq/l | 112 ± 2 ( 10) | 111 ± 3 ( 10) | 111 ± 2 ( 10) | 110 ± 2 ( 10) | 112 ± 2 ( 10) |
| CPK Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| LDH Iu/l | 559 ± 173 ( 10) | 707 ± 256 ( 10) | 763 ± 243 ( 10) | 694 ± 242 ( 10) | 592 ± 207 ( 10) |
| A Phos Iu/l | 60 ± 6 ( 10) | 68 ± 9 ( 10) | 63 ± 9 ( 10) | 65 ± 7 ( 10) | 65 ± 9 ( 10) |
| GLOB g/dl | 2.1 ± 0.2 ( 10) | 2.0 ± 0.1 ( 10) | 2.1 ± 0.2 ( 10) | 2.1 ± 0.2 ( 10) | 2.2 ± 0.1 ( 10) |
| ALB/GLOB | 2.1 ± 0.2 ( 10) | 2.1 ± 0.1 ( 10) | 2.0 ± 0.2 ( 10) | 2.1 ± 0.2 ( 10) | 2.0 ± 0.1 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 23

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 105 ± 10 ( 10) | 127 ± 20 ( 10)* | 116 ± 15 ( 10) | 118 ± 16 ( 10) | 115 ± 18 ( 10) |
| BUN mg/dl | 15 ± 1 ( 10) | 16 ± 2 ( 10) | 16 ± 1 ( 10) | 18 ± 2 ( 10)* | 16 ± 2 ( 10) |
| SGPT Iu/l | 26 ± 4 ( 10) | 36 ± 14 ( 10)* | 31 ± 8 ( 10) | 28 ± 12 ( 10) | 23 ± 8 ( 10) |
| TRIG mg/dl | 148 ± 33 ( 10) | 165 ± 34 ( 10) | 174 ± 58 ( 10) | 158 ± 63 ( 10) | 167 ± 32 ( 10) |
| T PRO g/dl | 6.9 ± 0.2 ( 10) | 6.9 ± 0.2 ( 10) | 7.1 ± 0.2 ( 10) | 7.2 ± 0.3 ( 10)* | 7.5 ± 0.2 ( 10)* |
| ALB g/dl | 4.6 ± 0.1 ( 10) | 4.5 ± 0.1 ( 10) | 4.6 ± 0.1 ( 10) | 4.7 ± 0.2 ( 10) | 4.9 ± 0.1 ( 10)* |
| CHOL mg/dl | 66 ± 10 ( 10) | 72 ± 14 ( 10) | 81 ± 12 ( 10)* | 83 ± 10 ( 10)* | 112 ± 15 ( 10)* |
| D BIL mg/dl | 0.07 ± 0.03 ( 10) | 0.09 ± 0.05 ( 10) | 0.08 ± 0.04 ( 10) | 0.08 ± 0.03 ( 10) | 0.10 ± 0.05 ( 10) |
| T BIL mg/dl | 0.23 ± 0.07 ( 10) | 0.25 ± 0.13 ( 10) | 0.23 ± 0.08 ( 10) | 0.24 ± 0.07 ( 10) | 0.28 ± 0.11 ( 10) |
| CA mg/dl | 10.2 ± 0.4 ( 10) | 10.3 ± 0.4 ( 10) | 10.3 ± 0.2 ( 10) | 10.4 ± 0.5 ( 10) | 10.5 ± 0.3 ( 10) |
| Na mMol/l | 153 ± 3 ( 10) | 154 ± 2 ( 10) | 153 ± 3 ( 10) | 153 ± 2 ( 10) | 154 ± 3 ( 10) |
| K mMol/l | 4.9 ± 0.3 ( 10) | 4.9 ± 0.4 ( 10) | 5.1 ± 0.4 ( 10) | 5.0 ± 0.3 ( 10) | 5.3 ± 0.5 ( 10) |
| Cl Meq/l | 103 ± 1 ( 10) | 103 ± 2 ( 10) | 101 ± 2 ( 10) | 101 ± 2 ( 10) | 100 ± 2 ( 10)* |
| CPK Iu/l | 447 ± 352 ( 10) | 1493 ± 2255 ( 10) | 681 ± 756 ( 10) | 867 ± 832 ( 9) | 1283 ± 1404 ( 10) |
| LDH Iu/l | 558 ± 304 ( 10) | 538 ± 324 ( 9) | 701 ± 343 ( 10) | 687 ± 277 ( 10) | 676 ± 305 ( 9) |
| A Phos Iu/l | 66 ± 7 ( 10) | 68 ± 8 ( 10) | 68 ± 10 ( 10) | 69 ± 8 ( 10) | 60 ± 9 ( 10) |
| GLOB g/dl | 2.3 ± 0.1 ( 10) | 2.4 ± 0.3 ( 10) | 2.5 ± 0.2 ( 10) | 2.4 ± 0.2 ( 10) | 2.6 ± 0.2 ( 10)* |
| ALB/GLOB | 2.0 ± 0.1 ( 10) | 1.9 ± 0.3 ( 10) | 1.9 ± 0.1 ( 10) | 2.0 ± 0.2 ( 10) | 1.9 ± 0.1 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 24

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 26
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 101 ± 17 ( 10) | 94 ± 14 ( 10) | 93 ± 14 ( 10) | 103 ± 18 ( 10) | 105 ± 16 ( 10) |
| BUN mg/dl | 16 ± 3 ( 10) | 15 ± 3 ( 10) | 17 ± 2 ( 10) | 17 ± 2 ( 10) | 17 ± 2 ( 10) |
| SGPT Iu/l | 22 ± 14 ( 10) | 18 ± 5 ( 10) | 17 ± 4 ( 10) | 18 ± 3 ( 10) | 15 ± 5 ( 10) |
| TRIG mg/dl | 50 ± 25 ( 10) | 53 ± 19 ( 10) | 65 ± 20 ( 10) | 57 ± 18 ( 10) | 53 ± 15 ( 10) |
| T PRO g/dl | 7.1 ± 0.4 ( 10) | 6.8 ± 0.5 ( 10) | 7.1 ± 0.4 ( 10) | 7.0 ± 0.3 ( 10) | 7.1 ± 0.2 ( 10) |
| ALB g/dl | 4.7 ± 0.2 ( 10) | 4.6 ± 0.3 ( 10) | 4.9 ± 0.2 ( 10) | 4.8 ± 0.2 ( 10) | 4.8 ± 0.1 ( 10) |
| CHOL mg/dl | 112 ± 10 ( 10) | 107 ± 9 ( 10) | 114 ± 11 ( 10) | 119 ± 10 ( 10) | 140 ± 16 ( 10)* |
| D BIL mg/dl | 0.05 ± 0.04 ( 10) | 0.08 ± 0.04 ( 10) | 0.06 ± 0.03 ( 10) | 0.05 ± 0.02 ( 10) | 0.06 ± 0.02 ( 10) |
| T BIL mg/dl | 0.16 ± 0.08 ( 10) | 0.23 ± 0.08 ( 10)* | 0.19 ± 0.05 ( 10) | 0.16 ± 0.05 ( 10) | 0.18 ± 0.04 ( 10) |
| CA mg/dl | 10.3 ± 0.3 ( 10) | 10.1 ± 0.3 ( 10) | 10.3 ± 0.4 ( 10) | 10.2 ± 0.4 ( 10) | 10.3 ± 0.4 ( 10) |
| Na mMol/l | 152 ± 3 ( 10) | 151 ± 3 ( 10) | 153 ± 4 ( 10) | 151 ± 2 ( 10) | 153 ± 4 ( 10) |
| K mMol/l | 4.7 ± 0.2 ( 10) | 5.0 ± 0.3 ( 10) | 4.7 ± 0.3 ( 10) | 4.9 ± 0.3 ( 10) | 5.0 ± 0.4 ( 10)* |
| Cl Meq/l | 104 ± 2 ( 10) | 104 ± 2 ( 10) | 103 ± 3 ( 10) | 103 ± 3 ( 10) | 104 ± 3 ( 10) |
| CPK Iu/l | 405 ± 371 ( 9) | 1408 ± 1607 ( 10) | 483 ± 309 ( 10) | 967 ± 1348 ( 10) | 833 ± 1512 ( 10) |
| LDH Iu/l | 430 ± 315 ( 10) | 665 ± 287 ( 10) | 561 ± 148 ( 10) | 516 ± 248 ( 10) | 510 ± 233 ( 10) |
| A Phos Iu/l | 55 ± 12 ( 10) | 58 ± 16 ( 10) | 62 ± 8 ( 10) | 58 ± 10 ( 10) | 58 ± 10 ( 10) |
| GLOB g/dl | 2.3 ± 0.3 ( 10) | 2.1 ± 0.3 ( 10) | 2.2 ± 0.3 ( 10) | 2.3 ± 0.2 ( 10) | 2.3 ± 0.2 ( 10) |
| ALB/GLOB | 2.1 ± 0.3 ( 10) | 2.2 ± 0.2 ( 10) | 2.3 ± 0.3 ( 10) | 2.1 ± 0.2 ( 10) | 2.2 ± 0.3 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 25

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 117 ± 8 ( 10) | 122 ± 14 ( 10) | 126 ± 29 ( 10) | 115 ± 9 ( 10) | 118 ± 16 ( 10) |
| BUN mg/dl | 14 ± 1 ( 10) | 14 ± 2 ( 10) | 13 ± 1 ( 10) | 15 ± 3 ( 10) | 16 ± 2 ( 10) |
| SGPT Iu/l | 78 ± 21 ( 10) | 97 ± 33 ( 10) | 84 ± 24 ( 10) | 74 ± 33 ( 10) | 58 ± 13 ( 10) |
| TRIG mg/dl | 126 ± 49 ( 10) | 151 ± 59 ( 10) | 189 ± 74 ( 10)* | 139 ± 57 ( 10) | 153 ± 28 ( 10) |
| T PRO g/dl | 6.7 ± 0.2 ( 10) | 6.8 ± 0.2 ( 10) | 6.9 ± 0.3 ( 10) | 6.9 ± 0.3 ( 10) | 7.1 ± 0.2 ( 10)* |
| ALB g/dl | 4.0 ± 0.2 ( 10) | 4.1 ± 0.1 ( 10) | 4.1 ± 0.2 ( 10) | 4.1 ± 0.2 ( 10) | 4.1 ± 0.2 ( 10) |
| CHOL mg/dl | 86 ± 11 ( 10) | 98 ± 18 ( 10) | 109 ± 16 ( 10)* | 116 ± 27 ( 10)** | 132 ± 17 ( 10)* |
| D BIL mg/dl | 0.05 ± 0.01 ( 10) | 0.07 ± 0.02 ( 10) | 0.07 ± 0.03 ( 10) | 0.06 ± 0.02 ( 10) | 0.06 ± 0.02 ( 10) |
| T BIL mg/dl | 0.16 ± 0.04 ( 10) | 0.20 ± 0.03 ( 10) | 0.21 ± 0.07 ( 10) | 0.18 ± 0.04 ( 10) | 0.21 ± 0.03 ( 10)* |
| CA mg/dl | 10.6 ± 0.4 ( 10) | 10.8 ± 0.4 ( 10) | 10.7 ± 0.4 ( 10) | 10.7 ± 0.4 ( 10) | 10.8 ± 0.2 ( 10) |
| Na mMol/l | 144 ± 3 ( 10) | 145 ± 3 ( 10) | 145 ± 5 ( 10) | 143 ± 5 ( 10) | 144 ± 3 ( 10) |
| K mMol/l | 4.6 ± 0.3 ( 10) | 4.8 ± 0.3 ( 10) | 4.8 ± 0.3 ( 10) | 4.8 ± 0.4 ( 10) | 4.8 ± 0.3 ( 10) |
| Cl Meq/l | 109 ± 2 ( 10) | 109 ± 4 ( 9) | 109 ± 2 ( 10) | 108 ± 2 ( 10) | 107 ± 2 ( 10) |
| CPK Iu/l | 247 ± 195 ( 10) | 211 ± 117 ( 8) | 273 ± 146 ( 10) | 210 ± 116 ( 9) | 459 ± 419 ( 7) |
| LDH Iu/l | 373 ± 132 ( 6) | 225 ± 53 ( 5) | 358 ± 142 ( 7) | 255 ± 109 ( 7) | 364 ± 153 ( 7) |
| A Phos Iu/l | 57 ± 5 ( 3) | 63 ± 4 ( 3) | 65 ± 8 ( 4) | 57 ± 2 ( 3) | 56 ± 4 ( 4) |
| GLOB g/dl | 2.6 ± 0.1 ( 10) | 2.7 ± 0.2 ( 10) | 2.8 ± 0.2 ( 10) | 2.8 ± 0.2 ( 10) | 2.9 ± 0.2 ( 10)* |
| ALB/GLOB | 1.6 ± 0.1 ( 10) | 1.5 ± 0.1 ( 10) | 1.5 ± 0.2 ( 10) | 1.5 ± 0.1 ( 10) | 1.4 ± 0.1 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 26

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 52
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 101 ± 13 ( 10) | 95 ± 14 ( 10) | 96 ± 14 ( 10) | 101 ± 14 ( 10) | 99 ± 12 ( 10) |
| BUN mg/dl | 15 ± 2 ( 10) | 16 ± 4 ( 10) | 17 ± 4 ( 10) | 15 ± 3 ( 10) | 18 ± 3 ( 10)* |
| SGPT Iu/l | 45 ± 10 ( 10) | 46 ± 9 ( 10) | 49 ± 13 ( 10) | 44 ± 8 ( 10) | 42 ± 13 ( 10) |
| TRIG mg/dl | 61 ± 24 ( 10) | 70 ± 31 ( 10) | 77 ± 39 ( 10) | 48 ± 13 ( 10) | 58 ± 16 ( 10) |
| T PRO g/dl | 7.0 ± 0.3 ( 10) | 7.1 ± 0.3 ( 10) | 7.3 ± 0.4 ( 10) | 7.2 ± 0.4 ( 10) | 7.5 ± 0.5 ( 10)* |
| ALB g/dl | 4.5 ± 0.2 ( 10) | 4.5 ± 0.2 ( 10) | 4.7 ± 0.3 ( 10) | 4.6 ± 0.3 ( 10) | 4.6 ± 0.3 ( 10) |
| CHOL mg/dl | 125 ± 15 ( 10) | 129 ± 22 ( 10) | 132 ± 17 ( 10) | 143 ± 21 ( 10) | 170 ± 21 ( 10)* |
| D BIL mg/dl | 0.04 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) | 0.05 ± 0.02 ( 10) | 0.04 ± 0.02 ( 10) | 0.04 ± 0.01 ( 10) |
| T BIL mg/dl | 0.15 ± 0.10 ( 10) | 0.15 ± 0.02 ( 10) | 0.16 ± 0.03 ( 10) | 0.14 ± 0.04 ( 10) | 0.14 ± 0.02 ( 10) |
| CA mg/dl | 10.5 ± 0.5 ( 10) | 10.7 ± 0.4 ( 10) | 10.8 ± 0.4 ( 10) | 10.7 ± 0.4 ( 10) | 10.9 ± 0.3 ( 10) |
| Na mMol/l | 142 ± 4 ( 10) | 143 ± 4 ( 10) | 144 ± 4 ( 10) | 143 ± 5 ( 10) | 142 ± 4 ( 10) |
| K mMol/l | 4.5 ± 0.4 ( 10) | 4.8 ± 0.5 ( 10) | 4.7 ± 0.4 ( 10) | 4.6 ± 0.2 ( 10) | 4.6 ± 0.4 ( 10) |
| Cl Meq/l | 109 ± 3 ( 10) | 108 ± 2 ( 9) | 109 ± 3 ( 10) | 109 ± 3 ( 10) | 109 ± 3 ( 10) |
| CPK Iu/l | 210 ± 168 ( 9) | 183 ± 111 ( 9) | 210 ± 128 ( 7) | 184 ± 62 ( 8) | 302 ± 208 ( 9) |
| LDH Iu/l | 190 ± 109 ( 7) | 253 ± 120 ( 8) | 252 ± 56 ( 6) | 201 ± 74 ( 7) | 211 ± 82 ( 6) |
| A Phos Iu/l | 38 ± 7 ( 3) | 39 ± 6 ( 3) | 37 ± 3 ( 3) | 44 ± 7 ( 4) | 53 ± 16 ( 3) |
| GLOB g/dl | 2.5 ± 0.1 ( 10) | 2.6 ± 0.2 ( 10) | 2.6 ± 0.3 ( 10) | 2.7 ± 0.2 ( 10) | 2.9 ± 0.3 ( 10)* |
| ALB/GLOB | 1.8 ± 0.1 ( 10) | 1.7 ± 0.2 ( 10) | 1.8 ± 0.2 ( 10) | 1.7 ± 0.1 ( 10) | 1.6 ± 0.1 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 27

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 78
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 122 ± 18 ( 10) | 118 ± 15 ( 10) | 121 ± 11 ( 10) | 113 ± 17 ( 10) | 109 ± 14 ( 10) |
| BUN mg/dl | 14 ± 2 ( 10) | 14 ± 2 ( 10) | 16 ± 7 ( 10) | 16 ± 3 ( 10) | 17 ± 2 ( 10) |
| SGPT Iu/l | 52 ± 28 ( 10) | 43 ± 16 ( 10) | 74 ± 90 ( 10) | 38 ± 7 ( 10) | 32 ± 6 ( 10) |
| TRIG mg/dl | 199 ± 60 ( 10) | 223 ± 120 ( 10) | 271 ± 207 ( 10) | 216 ± 93 ( 10) | 211 ± 78 ( 10) |
| T PRO g/dl | 6.6 ± 0.6 ( 10) | 6.8 ± 0.3 ( 10) | 6.6 ± 0.5 ( 10) | 6.7 ± 0.3 ( 10) | 6.7 ± 0.4 ( 10) |
| ALB g/dl | 4.0 ± 0.3 ( 10) | 4.1 ± 0.2 ( 10) | 4.0 ± 0.3 ( 10) | 4.1 ± 0.3 ( 10) | 4.0 ± 0.2 ( 10) |
| CHOL mg/dl | 136 ± 33 ( 10) | 168 ± 41 ( 10) | 181 ± 66 ( 10)* | 176 ± 44 ( 10) | 185 ± 31 ( 10)* |
| D BIL mg/dl | 0.10 ± 0.03 ( 10) | 0.11 ± 0.05 ( 10) | 0.29 ± 0.58 ( 10) | 0.10 ± 0.04 ( 10) | 0.09 ± 0.02 ( 10) |
| T BIL mg/dl | 0.31 ± 0.20 ( 10) | 0.28 ± 0.06 ( 10) | 1.04 ± 2.37 ( 10) | 0.29 ± 0.06 ( 10) | 0.26 ± 0.04 ( 10) |
| CA mg/dl | 10.5 ± 0.6 ( 10) | 10.6 ± 0.4 ( 10) | 10.6 ± 0.5 ( 10) | 10.6 ± 0.4 ( 10) | 10.5 ± 0.6 ( 10) |
| Na mMol/l | 145 ± 2 ( 10) | 146 ± 3 ( 10) | 147 ± 5 ( 10) | 145 ± 2 ( 10) | 146 ± 4 ( 10) |
| K mMol/l | 4.6 ± 0.3 ( 10) | 4.7 ± 0.4 ( 10) | 4.5 ± 0.3 ( 10) | 4.8 ± 0.3 ( 10) | 4.7 ± 0.5 ( 10) |
| Cl Meq/l | 103 ± 4 ( 10) | 104 ± 3 ( 10) | 105 ± 4 ( 10) | 104 ± 3 ( 10) | 103 ± 4 ( 10) |
| CPK Iu/l | 286 ± 608 ( 10) | 206 ± 194 ( 10) | 382 ± 677 ( 10) | 350 ± 277 ( 10) | 184 ± 137 ( 10) |
| LDH Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| A Phos Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| GLOB g/dl | 2.6 ± 0.3 ( 10) | 2.8 ± 0.4 ( 10) | 2.6 ± 0.3 ( 10) | 2.6 ± 0.3 ( 10) | 2.7 ± 0.3 ( 10) |
| ALB/GLOB | 1.5 ± 0.2 ( 10) | 1.5 ± 0.3 ( 10) | 1.6 ± 0.2 ( 10) | 1.6 ± 0.2 ( 10) | 1.5 ± 0.2 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 28

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 78
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 107 ± 11 ( 10) | 120 ± 16 ( 10) | 112 ± 18 ( 10) | 113 ± 18 ( 10) | 108 ± 18 ( 10) |
| BUN mg/dl | 14 ± 2 ( 10) | 14 ± 2 ( 10) | 16 ± 3 ( 10) | 15 ± 1 ( 10) | 19 ± 2 ( 10)* |
| SGPT Iu/l | 37 ± 6 ( 10) | 34 ± 3 ( 10) | 41 ± 10 ( 10) | 34 ± 3 ( 10) | 35 ± 5 ( 10) |
| TRIG mg/dl | 126 ± 62 ( 10) | 127 ± 75 ( 10) | 102 ± 31 ( 10) | 92 ± 23 ( 10) | 84 ± 40 ( 10) |
| T PRO g/dl | 7.0 ± 0.4 ( 10) | 7.0 ± 0.3 ( 10) | 7.0 ± 0.8 ( 10) | 7.1 ± 0.3 ( 10) | 7.7 ± 0.5 ( 10)* |
| ALB g/dl | 4.6 ± 0.3 ( 10) | 4.6 ± 0.2 ( 10) | 4.6 ± 0.4 ( 10) | 4.6 ± 0.2 ( 10) | 4.9 ± 0.2 ( 10)* |
| CHOL mg/dl | 136 ± 15 ( 10) | 126 ± 17 ( 10) | 132 ± 24 ( 10) | 149 ± 12 ( 10) | 188 ± 13 ( 10)* |
| D BIL mg/dl | 0.08 ± 0.02 ( 10) | 0.08 ± 0.04 ( 10) | 0.07 ± 0.02 ( 10) | 0.07 ± 0.02 ( 10) | 0.06 ± 0.03 ( 10) |
| T BIL mg/dl | 0.22 ± 0.06 ( 10) | 0.22 ± 0.06 ( 10) | 0.20 ± 0.05 ( 10) | 0.20 ± 0.04 ( 10) | 0.20 ± 0.05 ( 10) |
| CA mg/dl | 10.4 ± 0.4 ( 10) | 10.4 ± 0.5 ( 10) | 10.4 ± 0.7 ( 10) | 10.4 ± 0.5 ( 10) | 10.9 ± 0.5 ( 10) |
| Na mMol/l | 142 ± 2 ( 10) | 143 ± 2 ( 10) | 145 ± 5 ( 10) | 144 ± 3 ( 10) | 144 ± 3 ( 10) |
| K mMol/l | 4.5 ± 0.2 ( 10) | 4.4 ± 0.3 ( 10) | 4.5 ± 0.3 ( 10) | 4.5 ± 0.3 ( 10) | 4.5 ± 0.3 ( 10) |
| Cl Meq/l | 104 ± 3 ( 10) | 104 ± 3 ( 10) | 107 ± 8 ( 10) | 103 ± 4 ( 10) | 103 ± 3 ( 10) |
| CPK Iu/l | 188 ± 175 ( 10) | 281 ± 413 ( 10) | 232 ± 99 ( 10) | 197 ± 136 ( 10) | 234 ± 440 ( 10) |
| LDH Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| A Phos Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| GLOB g/dl | 2.4 ± 0.3 ( 10) | 2.4 ± 0.3 ( 10) | 2.4 ± 0.4 ( 10) | 2.5 ± 0.2 ( 10) | 2.8 ± 0.3 ( 10)* |
| ALB/GLOB | 2.0 ± 0.3 ( 10) | 2.0 ± 0.3 ( 10) | 1.9 ± 0.2 ( 10) | 1.9 ± 0.2 ( 10) | 1.8 ± 0.2 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 29

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE CLINICAL CHEMISTRY VALUES - TEST WEEK 104
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 108 ± 15 ( 9) | 92 ± 21 ( 10) | 97 ± 18 ( 10) | 93 ± 20 ( 10) | 99 ± 19 ( 10) |
| BUN mg/dl | 18 ± 4 ( 9) | 24 ± 14 ( 10) | 31 ± 29 ( 10) | 27 ± 13 ( 10) | 41 ± 13 ( 10)* |
| SGPT Iu/l | 34 ± 7 ( 9) | 54 ± 41 ( 10) | 69 ± 80 ( 10) | 38 ± 23 ( 10) | 37 ± 20 ( 10) |
| TRIG mg/dl | 174 ± 102 ( 9) | 201 ± 186 ( 10) | 177 ± 114 ( 10) | 185 ± 137 ( 10) | 339 ± 122 ( 10)* |
| T PRO g/dl | 6.5 ± 0.4 ( 9) | 6.5 ± 0.8 ( 10) | 6.5 ± 0.5 ( 10) | 6.4 ± 0.5 ( 10) | 6.3 ± 0.3 ( 10) |
| ALB g/dl | 3.8 ± 0.3 ( 9) | 3.6 ± 0.4 ( 10) | 3.6 ± 0.3 ( 10) | 3.5 ± 0.3 ( 10)* | 3.4 ± 0.2 ( 10)* |
| CHOL mg/dl | 159 ± 29 ( 9) | 226 ± 104 ( 10) | 179 ± 48 ( 10) | 212 ± 119 ( 10) | 255 ± 127 ( 10)* |
| D BIL mg/dl | 0.09 ± 0.03 ( 6) | 0.10 ± 0.05 ( 7) | 0.10 ± 0.02 ( 6) | 0.11 ± 0.05 ( 7) | 0.12 ± 0.04 ( 6) |
| T BIL mg/dl | 0.23 ± 0.05 ( 6) | 0.26 ± 0.08 ( 7) | 0.29 ± 0.05 ( 6) | 0.24 ± 0.07 ( 7) | 0.26 ± 0.06 ( 6) |
| CA mg/dl | 10.9 ± 0.5 ( 9) | 10.9 ± 0.6 ( 10) | 10.7 ± 0.3 ( 10) | 10.8 ± 0.4 ( 10) | 11.2 ± 0.5 ( 10) |
| Na mMol/l | 142 ± 3 ( 9) | 144 ± 4 ( 10) | 145 ± 6 ( 10) | 144 ± 3 ( 10) | 145 ± 2 ( 10) |
| K mMol/l | 4.7 ± 0.4 ( 9) | 4.5 ± 0.4 ( 10) | 4.8 ± 0.6 ( 10) | 4.5 ± 0.3 ( 10) | 4.7 ± 0.5 ( 10) |
| Cl Meq/l | 109 ± 2 ( 9) | 111 ± 3 ( 10) | 112 ± 6 ( 10) | 110 ± 3 ( 10) | 112 ± 2 ( 10) |
| CPK Iu/l | 108 ± 70 ( 9) | 183 ± 220 ( 10) | 270 ± 445 ( 10) | 77 ± 64 ( 10) | 163 ± 137 ( 10) |
| LDH Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| A Phos Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| GLOB g/dl | 2.7 ± 0.2 ( 9) | 2.9 ± 0.6 ( 10) | 2.9 ± 0.4 ( 10) | 2.9 ± 0.3 ( 10) | 3.0 ± 0.4 ( 10) |
| ALB/GLOB | 1.4 ± 0.1 ( 9) | 1.3 ± 0.2 ( 10) | 1.3 ± 0.2 ( 10) | 1.2 ± 0.2 ( 10)* | 1.2 ± 0.2 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 30

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE CLINICAL CHEMISTRY VALUES - TEST WEEK 104
[MEAN AND STANDARD DEVIATION (n)]

| CHEMISTRY VALUES | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| GLU mg/dl | 110 ± 14 ( 10) | 109 ± 21 ( 10) | 117 ± 18 ( 10) | 124 ± 13 ( 10) | 112 ± 6 ( 10) |
| BUN mg/dl | 15 ± 2 ( 10) | 16 ± 3 ( 10) | 15 ± 4 ( 10) | 19 ± 9 ( 10) | 22 ± 5 ( 10)* |
| SGPT Iu/l | 41 ± 6 ( 10) | 51 ± 19 ( 10) | 46 ± 18 ( 10) | 45 ± 19 ( 10) | 41 ± 13 ( 10) |
| TRIG mg/dl | 153 ± 90 ( 10) | 149 ± 132 ( 10) | 87 ± 31 ( 10) | 70 ± 28 ( 10)* | 77 ± 24 ( 10)* |
| T PRO g/dl | 7.5 ± 0.6 ( 10) | 7.5 ± 0.3 ( 10) | 7.4 ± 0.6 ( 10) | 7.4 ± 0.6 ( 10) | 8.0 ± 0.3 ( 10)* |
| ALB g/dl | 4.4 ± 0.3 ( 10) | 4.6 ± 0.2 ( 10) | 4.6 ± 0.4 ( 10) | 4.5 ± 0.3 ( 10) | 4.8 ± 0.3 ( 10)* |
| CHOL mg/dl | 168 ± 58 ( 10) | 135 ± 27 ( 10) | 133 ± 32 ( 10) | 145 ± 24 ( 10) | 184 ± 32 ( 10) |
| D BIL mg/dl | 0.08 ± 0.05 ( 7) | 0.08 ± 0.05 ( 7) | 0.06 ± 0.02 ( 7) | 0.05 ± 0.01 ( 6) | 0.05 ± 0.02 ( 7) |
| T BIL mg/dl | 0.19 ± 0.08 ( 7) | 0.20 ± 0.07 ( 7) | 0.17 ± 0.06 ( 7) | 0.15 ± 0.03 ( 6) | 0.15 ± 0.02 ( 7) |
| CA mg/dl | 10.9 ± 0.4 ( 10) | 10.7 ± 0.4 ( 10) | 10.9 ± 0.3 ( 10) | 10.8 ± 0.4 ( 10) | 11.4 ± 0.3 ( 10)* |
| Na mMol/l | 141 ± 3 ( 10) | 141 ± 3 ( 10) | 142 ± 2 ( 10) | 142 ± 1 ( 10) | 142 ± 2 ( 10) |
| K mMol/l | 4.3 ± 0.3 ( 10) | 4.4 ± 0.4 ( 10) | 4.6 ± 0.3 ( 10) | 4.2 ± 0.6 ( 10) | 4.5 ± 0.4 ( 10) |
| Cl Meq/l | 108 ± 2 ( 10) | 109 ± 2 ( 10) | 110 ± 5 ( 10) | 108 ± 3 ( 10) | 109 ± 2 ( 10) |
| CPK Iu/l | 131 ± 164 ( 10) | 234 ± 353 ( 10) | 403 ± 852 ( 10) | 157 ± 121 ( 10) | 108 ± 82 ( 10) |
| LDH Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| A Phos Iu/l | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) | ---- ± 0 ( 0) |
| GLOB g/dl | 3.0 ± 0.5 ( 10) | 2.9 ± 0.3 ( 10) | 2.8 ± 0.3 ( 10) | 2.9 ± 0.4 ( 10) | 3.2 ± 0.3 ( 10) |
| ALB/GLUB | 1.5 ± 0.3 ( 10) | 1.6 ± 0.2 ( 10) | 1.6 ± 0.1 ( 10) | 1.6 ± 0.2 ( 10) | 1.5 ± 0.2 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 31

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 27
[(g ORGAN WT / g BODY WT) x 100]
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.57 ± 0.04 ( 10) | 0.55 ± 0.02 ( 10) | 0.58 ± 0.02 ( 10) | 0.57 ± 0.02 ( 10) | 0.61 ± 0.03 ( 10)* |
| HEART | 0.31 ± 0.03 ( 10) | 0.30 ± 0.03 ( 10) | 0.32 ± 0.03 ( 10) | 0.31 ± 0.03 ( 10) | 0.32 ± 0.03 ( 10) |
| KIDNEYS | 0.66 ± 0.04 ( 10) | 0.70 ± 0.04 ( 10) | 0.70 ± 0.04 ( 10)* | 0.72 ± 0.03 ( 10)* | 0.80 ± 0.02 ( 10)* |
| ADRENALS | 0.013 ±0.004 ( 10) | 0.013 ±0.005 ( 10) | 0.014 ±0.003 ( 10) | 0.015 ±0.006 ( 10) | 0.015 ±0.005 ( 10) |
| LIVER | 2.79 ± 0.15 ( 10) | 3.00 ± 0.21 ( 10)* | 2.93 ± 0.11 ( 10) | 3.11 ± 0.18 ( 10)* | 3.73 ± 0.21 ( 10)* |
| SPLEEN | 0.21 ± 0.01 ( 10) | 0.21 ± 0.02 ( 10) | 0.22 ± 0.02 ( 10) | 0.22 ± 0.02 ( 10) | 0.29 ± 0.03 ( 10)* |
| GONADS | 0.86 ± 0.06 ( 10) | 0.83 ± 0.06 ( 10) | 0.86 ± 0.04 ( 10) | 0.85 ± 0.03 ( 10) | 0.94 ± 0.04 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 32

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 27
[(g ORGAN WT / g BODY WT) X 100]
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.98 ± 0.03 ( 10) | 0.98 ± 0.05 ( 9) | 1.00 ± 0.07 ( 10) | 0.98 ± 0.04 ( 9) | 1.05 ± 0.05 ( 10)* |
| HEART | 0.35 ± 0.04 ( 10) | 0.36 ± 0.03 ( 9) | 0.36 ± 0.03 ( 10) | 0.37 ± 0.02 ( 9) | 0.39 ± 0.03 ( 10)* |
| KIDNEYS | 0.74 ± 0.02 ( 10) | 0.78 ± 0.04 ( 9) | 0.78 ± 0.06 ( 10) | 0.80 ± 0.03 ( 9)* | 0.84 ± 0.06 ( 10)* |
| ADRENALS | 0.025 ±0.007 ( 10) | 0.028 ±0.010 ( 9) | 0.030 ±0.009 ( 10) | 0.029 ±0.009 ( 9) | 0.030 ±0.011 ( 10) |
| LIVER | 2.80 ± 0.17 ( 9) | 2.90 ± 0.17 ( 9) | 2.83 ± 0.28 ( 10) | 3.02 ± 0.19 ( 9) | 3.32 ± 0.23 ( 10)* |
| SPLEEN | 0.25 ± 0.01 ( 10) | 0.25 ± 0.02 ( 9) | 0.25 ± 0.03 ( 10) | 0.25 ± 0.02 ( 9) | 0.32 ± 0.05 ( 10)* |
| GONADS | 0.05 ± 0.01 ( 10) | 0.06 ± 0.01 ( 9) | 0.06 ± 0.01 ( 10) | 0.05 ± 0.01 ( 9) | 0.06 ± 0.01 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 33

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 53
[(g ORGAN WT / g BODY WT) X 100]
[MEAN AND STANDARD DEVIATION 'n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.50 ± 0.02 ( 10) | 0.51 ± 0.02 ( 10) | 0.52 ± 0.03 ( 10) | 0.54 ± 0.04 ( 10)* | 0.58 ± 0.03 ( 10)* |
| HEART | 0.29 ± 0.02 ( 10) | 0.29 ± 0.02 ( 10) | 0.30 ± 0.02 ( 10) | 0.29 ± 0.02 ( 10) | 0.31 ± 0.02 ( 10) |
| KIDNEYS | 0.69 ± 0.04 ( 10) | 0.71 ± 0.03 ( 10) | 0.74 ± 0.03 ( 10)* | 0.78 ± 0.05 ( 10)* | 0.82 ± 0.06 ( 10)* |
| ADRENALS | 0.011 ±0.001 ( 10) | 0.012 ±0.002 ( 10) | 0.011 ±0.001 ( 10) | 0.012 ±0.002 ( 10) | 0.011 ±0.001 ( 10) |
| LIVER | 2.96 ± 0.22 ( 10) | 2.96 ± 0.20 ( 10) | 3.11 ± 0.17 ( 10) | 3.21 ± 0.14 ( 10)* | 3.84 ± 0.37 ( 10)* |
| SPLEEN | 0.20 ± 0.01 ( 10) | 0.21 ± 0.02 ( 10) | 0.21 ± 0.01 ( 10) | 0.21 ± 0.01 ( 10)* | 0.32 ± 0.02 ( 10)* |
| GONADS | 0.74 ± 0.06 ( 10) | 0.76 ± 0.03 ( 10) | 0.78 ± 0.02 ( 10) | 0.81 ± 0.10 ( 10)* | 0.88 ± 0.03 ( 10)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 34

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 53
[(g ORGAN WT / g BODY WT) X 100]
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.85 ± 0.03 ( 10) | 0.88 ± 0.07 ( 10) | 0.86 ± 0.05 ( 10) | 0.88 ± 0.07 ( 10) | 0.98 ± 0.08 ( 10)* |
| HEART | 0.34 ± 0.02 ( 10) | 0.35 ± 0.03 ( 10) | 0.35 ± 0.03 ( 10) | 0.34 ± 0.02 ( 10) | 0.38 ± 0.05 ( 10)* |
| KIDNEYS | 0.76 ± 0.04 ( 10) | 0.80 ± 0.04 ( 10) | 0.79 ± 0.05 ( 10) | 0.82 ± 0.05 ( 10)* | 0.91 ± 0.07 ( 10)* |
| ADRENALS | 0.023 ±0.004 ( 10) | 0.024 ±0.004 ( 10) | 0.023 ±0.005 ( 10) | 0.025 ±0.004 ( 10) | 0.025 ±0.005 ( 10) |
| LIVER | 2.79 ± 0.25 ( 10) | 3.00 ± 0.15 ( 10) | 2.93 ± 0.21 ( 10) | 3.02 ± 0.18 ( 10) | 3.59 ± 0.36 ( 10)* |
| SPLEEN | 0.22 ± 0.02 ( 10) | 0.24 ± 0.02 ( 10) | 0.22 ± 0.01 ( 10) | 0.23 ± 0.02 ( 10) | 0.32 ± 0.03 ( 10)* |
| GONADS | 0.04 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) | 0.05 ± 0.01 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 35

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 105
[(g ORGAN WT / g BODY WT) X 100]
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.59 ± 0.06 ( 32) | 0.60 ± 0.06 ( 29) | 0.58 ± 0.05 ( 26) | 0.64 ± 0.10 ( 30)* | 0.76 ± 0.12 ( 39)* |
| HEART | 0.35 ± 0.04 ( 32) | 0.37 ± 0.05 ( 29) | 0.36 ± 0.07 ( 26) | 0.41 ± 0.11 ( 30)* | 0.43 ± 0.08 ( 39)* |
| KIDNEYS | 0.89 ± 0.13 ( 32) | 0.96 ± 0.16 ( 29) | 0.98 ± 0.24 ( 26) | 1.07 ± 0.30 ( 29)* | 1.19 ± 0.21 ( 39)* |
| ADRENALS | 0.018 ±0.005 ( 32) | 0.022 ±0.015 ( 27) | 0.019 ±0.006 ( 25) | 0.022 ±0.009 ( 29) | 0.024 ±0.010 ( 38) |
| LIVER | 3.75 ± 0.78 ( 30) | 4.30 ± 1.67 ( 28) | 3.93 ± 0.74 ( 24) | 4.64 ± 1.07 ( 29)* | 5.29 ± 0.88 ( 37)* |
| SPLEEN | 0.96 ± 1.17 ( 32) | 0.69 ± 0.59 ( 28) | 0.55 ± 0.37 ( 26)* | 0.90 ± 0.91 ( 29) | 0.40 ± 0.07 ( 39)* |
| GONADS | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 36

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN RELATIVE ORGAN WEIGHTS - TEST WEEK 105
[(g ORGAN WT / g BODY WT) X 100]
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BRAIN | 0.69 ± 0.05 ( 36) | 0.70 ± 0.05 ( 40) | 0.71 ± 0.10 ( 40) | 0.78 ± 0.13 ( 46)* | 0.87 ± 0.07 ( 47)* |
| HEART | 0.36 ± 0.05 ( 36) | 0.37 ± 0.03 ( 40) | 0.36 ± 0.07 ( 40) | 0.39 ± 0.08 ( 46)* | 0.40 ± 0.03 ( 47)* |
| KIDNEYS | 0.77 ± 0.08 ( 36) | 0.79 ± 0.05 ( 40) | 0.81 ± 0.10 ( 40) | 0.90 ± 0.16 ( 46)* | 0.98 ± 0.14 ( 47)* |
| ADRENALS | 0.023 ±0.005 ( 36) | 0.023 ±0.004 ( 40) | 0.023 ±0.005 ( 40) | 0.025 ±0.007 ( 45) | 0.025 ±0.011 ( 47) |
| LIVER | 3.23 ± 0.33 ( 36) | 3.37 ± 0.54 ( 40) | 3.35 ± 0.56 ( 40) | 3.60 ± 0.81 ( 46)* | 4.05 ± 0.37 ( 47)* |
| SPLEEN | 0.33 ± 0.31 ( 36) | 0.50 ± 0.56 ( 40) | 0.43 ± 0.69 ( 40) | 0.39 ± 0.48 ( 46) | 0.36 ± 0.13 ( 46) |
| GONADS | 0.04 ± 0.01 ( 36) | 0.04 ± 0.01 ( 39) | 0.04 ± 0.01 ( 39) | 0.04 ± 0.01 ( 44) | 0.05 ± 0.01 ( 46) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 37

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT. | 362.5 ± 31.5 ( 10) | 382.1 ± 20.8 ( 10) | 368.0 ± 15.6 ( 10) | 372.8 ± 15.4 ( 10) | 338.0 ± 18.7 ( 10)* |
| BRAIN | 2.05 ± 0.08 ( 10) | 2.11 ± 0.06 ( 10) | 2.12 ± 0.06 ( 10) | 2.11 ± 0.05 ( 10) | 2.06 ± 0.08 ( 10) |
| HEART | 1.13 ± 0.11 ( 10) | 1.16 ± 0.11 ( 10) | 1.16 ± 0.11 ( 10) | 1.14 ± 0.09 ( 10) | 1.07 ± 0.10 ( 10) |
| KIDNEYS | 2.41 ± 0.26 ( 10) | 2.66 ± 0.16 ( 10)* | 2.58 ± 0.20 ( 10) | 2.69 ± 0.13 ( 10)* | 2.71 ± 0.15 ( 10)* |
| ADRENALS | 0.048 ±0.011 ( 10) | 0.050 ±0.018 ( 10) | 0.050 ±0.013 ( 10) | 0.054 ±0.020 ( 10) | 0.051 ±0.016 ( 10) |
| LIVER | 10.12 ± 1.08 ( 10) | 11.46 ± 0.81 ( 10)* | 10.78 ± 0.70 ( 10) | 11.58 ± 0.75 ( 10)* | 12.60 ± 1.04 ( 10)* |
| SPLEEN | 0.75 ± 0.07 ( 10) | 0.80 ± 0.08 ( 10) | 0.80 ± 0.07 ( 10) | 0.83 ± 0.07 ( 10)* | 0.99 ± 0.09 ( 10)* |
| GONADS | 3.10 ± 0.25 ( 10) | 3.17 ± 0.28 ( 10) | 3.16 ± 0.15 ( 10) | 3.17 ± 0.11 ( 10) | 3.18 ± 0.22 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 38

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 27
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT | 197.4 ± 8.6 ( 10) | 195.2 ± 13.6 ( 9) | 192.9 ± 17.3 ( 10) | 193.6 ± 7.6 ( 9) | 181.1 ± 9.8 ( 10)* |
| BRAIN | 1.92 ± 0.04 ( 10) | 1.92 ± 0.06 ( 10) | 1.91 ± 0.10 ( 10) | 1.89 ± 0.10 ( 10) | 1.90 ± 0.07 ( 10) |
| HEART | 0.68 ± 0.07 ( 10) | 0.70 ± 0.07 ( 10) | 0.70 ± 0.07 ( 10) | 0.71 ± 0.03 ( 10) | 0.70 ± 0.05 ( 10) |
| KIDNEYS | 1.47 ± 0.06 ( 10) | 1.53 ± 0.10 ( 10) | 1.49 ± 0.13 ( 10) | 1.56 ± 0.08 ( 10) | 1.53 ± 0.12 ( 10) |
| ADRENALS | 0.049 ±0.011 ( 10) | 0.055 ±0.017 ( 10) | 0.057 ±0.014 ( 10) | 0.055 ±0.015 ( 10) | 0.054 ±0.019 ( 10) |
| LIVER | 5.52 ± 0.30 ( 9) | 5.74 ± 0.53 ( 10) | 5.42 ± 0.34 ( 10) | 5.79 ± 0.37 ( 10) | 6.01 ± 0.46 ( 10)* |
| SPLEEN | 0.49 ± 0.03 ( 10) | 0.50 ± 0.05 ( 10) | 0.48 ± 0.05 ( 10) | 0.48 ± 0.03 ( 10) | 0.58 ± 0.07 ( 10)* |
| GONADS | 0.11 ± 0.02 ( 10) | 0.11 ± 0.02 ( 10) | 0.11 ± 0.02 ( 10) | 0.10 ± 0.02 ( 10) | 0.10 ± 0.02 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 39

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 53
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT. | 436.8 ± 22.9 ( 10) | 425.9 ± 26.8 ( 10) | 421.3 ± 18.8 ( 10) | 396.5 ± 42.2 ( 10)* | 368.9 ± 20.7 ( 10)* |
| BRAIN | 2.20 ± 0.08 ( 10) | 2.17 ± 0.10 ( 10) | 2.18 ± 0.05 ( 10) | 2.12 ± 0.11 ( 10) | 2.12 ± 0.05 ( 10) |
| HEART | 1.26 ± 0.07 ( 10) | 1.22 ± 0.12 ( 10) | 1.26 ± 0.11 ( 10) | 1.16 ± 0.12 ( 10) | 1.14 ± 0.10 ( 10)* |
| KIDNEYS | 3.00 ± 0.24 ( 10) | 3.03 ± 0.24 ( 10) | 3.10 ± 0.18 ( 10) | 3.10 ± 0.33 ( 10) | 3.01 ± 0.24 ( 10) |
| ADRENALS | 0.050 ±0.005 ( 10) | 0.050 ±0.008 ( 10) | 0.046 ±0.006 ( 10) | 0.048 ±0.005 ( 10) | 0.041 ±0.004 ( 10)* |
| LIVER | 12.96 ± 1.58 ( 10) | 12.61 ± 1.22 ( 10) | 13.09 ± 0.85 ( 10) | 12.73 ± 1.39 ( 10) | 14.17 ± 1.78 ( 10) |
| SPLEEN | 0.86 ± 0.07 ( 10) | 0.87 ± 0.08 ( 10) | 0.87 ± 0.07 ( 10) | 0.85 ± 0.08 ( 10) | 1.17 ± 0.09 ( 10)* |
| GONADS | 3.24 ± 0.21 ( 10) | 3.24 ± 0.22 ( 10) | 3.28 ± 0.13 ( 10) | 3.17 ± 0.35 ( 10) | 3.24 ± 0.18 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

Table 40

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 53
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT. | 231.1 ± 11.9 ( 10) | 226.3 ± 22.2 ( 10) | 226.0 ± 16.1 ( 10) | 222.4 ± 22.1 ( 10) | 196.2 ± 17.2 ( 10)* |
| BRAIN | 1.97 ± 0.05 ( 10) | 1.97 ± 0.07 ( 10) | 1.93 ± 0.07 ( 10) | 1.94 ± 0.05 ( 10) | 1.91 ± 0.04 ( 10)* |
| HEART | 0.79 ± 0.06 ( 10) | 0.80 ± 0.09 ( 10) | 0.78 ± 0.05 ( 10) | 0.76 ± 0.08 ( 10) | 0.73 ± 0.04 ( 10) |
| KIDNEYS | 1.76 ± 0.15 ( 10) | 1.81 ± 0.17 ( 10) | 1.78 ± 0.18 ( 10) | 1.81 ± 0.18 ( 10) | 1.78 ± 0.08 ( 10) |
| ADRENALS | 0.052 ±0.008 ( 10) | 0.053 ±0.007 ( 10) | 0.052 ±0.012 ( 10) | 0.055 ±0.008 ( 10) | 0.048 ±0.007 ( 10) |
| LIVER | 6.45 ± 0.61 ( 10) | 6.77 ± 0.59 ( 10) | 6.63 ± 0.73 ( 10) | 6.71 ± 0.68 ( 10) | 6.99 ± 0.41 ( 10) |
| SPLEEN | 0.51 ± 0.05 ( 10) | 0.55 ± 0.08 ( 10) | 0.50 ± 0.03 ( 10) | 0.52 ± 0.07 ( 10) | 0.63 ± 0.05 ( 10)* |
| GONADS | 0.10 ± 0.01 ( 10) | 0.11 ± 0.02 ( 10) | 0.10 ± 0.02 ( 10) | 0.10 ± 0.01 ( 10) | 0.10 ± 0.01 ( 10) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 41

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT. | 383.7 ± 36.5 ( 32) | 373.0 ± 37.7 ( 29) | 391.4 ± 30.2 ( 26) | 355.9 ± 47.6 ( 30)* | 292.3 ± 41.6 ( 39)* |
| BRAIN | 2.23 ± 0.10 ( 32) | 2.23 ± 0.06 ( 29) | 2.24 ± 0.07 ( 26) | 2.22 ± 0.08 ( 30) | 2.16 ± 0.09 ( 39)* |
| HEART | 1.35 ± 0.13 ( 32) | 1.38 ± 0.18 ( 29) | 1.40 ± 0.23 ( 26) | 1.43 ± 0.20 ( 30) | 1.24 ± 0.15 ( 39)* |
| KIDNEYS | 3.39 ± 0.38 ( 32) | 3.56 ± 0.70 ( 29) | 3.79 ± 0.69 ( 26)* | 3.68 ± 0.70 ( 29) | 3.43 ± 0.48 ( 39) |
| ADRENALS | 0.069 ±0.015 ( 32) | 0.083 ±0.058 ( 27) | 0.073 ±0.017 ( 25) | 0.074 ±0.020 ( 29) | 0.067 ±0.024 ( 38) |
| LIVER | 14.31 ± 2.38 ( 30) | 15.83 ± 5.23 ( 28) | 15.23 ± 2.30 ( 24) | 16.26 ± 3.26 ( 29)* | 15.19 ± 1.93 ( 37) |
| SPLEEN | 3.41 ± 3.72 ( 32) | 2.56 ± 2.03 ( 28) | 2.13 ± 1.39 ( 26) | 3.08 ± 2.82 ( 29) | 1.18 ± 0.31 ( 39)* |
| GONADS | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) | ---- ± 0.00 ( 0) |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

## Table 42

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
FEMALE MEAN ORGAN WEIGHTS (grams) - TEST WEEK 105
[MEAN AND STANDARD DEVIATION (n)]

| ORGANS | 0.0 mg/kg/DAY | 0.4 mg/kg/DAY | 2.0 mg/kg/DAY | 10.0 mg/kg/DAY | 50.0 mg/kg/DAY |
|---|---|---|---|---|---|
| BODY WT. | 288.1 ± 22.0 ( 36) | 289.0 ± 20.8 ( 40) | 289.5 ± 35.0 ( 40) | 261.2 ± 35.9 ( 46)* | 227.3 ± 21.1 ( 47)* |
| BRAIN | 1.99 ± 0.08 ( 36) | 2.01 ± 0.08 ( 40) | 2.01 ± 0.14 ( 40) | 1.99 ± 0.07 ( 46) | 1.97 ± 0.07 ( 47) |
| HEART | 1.03 ± 0.16 ( 36) | 1.05 ± 0.09 ( 40) | 1.04 ± 0.11 ( 40) | 1.01 ± 0.13 ( 46) | 0.91 ± 0.08 ( 47)* |
| KIDNEYS | 2.22 ± 0.21 ( 36) | 2.27 ± 0.19 ( 40) | 2.31 ± 0.20 ( 40) | 2.31 ± 0.19 ( 46) | 2.22 ± 0.27 ( 47) |
| ADRENALS | 0.067 ±0.015 ( 36) | 0.066 ±0.012 ( 40) | 0.066 ±0.012 ( 40) | 0.064 ±0.014 ( 45) | 0.058 ±0.027 ( 47)* |
| LIVER | 9.30 ± 1.03 ( 36) | 9.77 ± 1.99 ( 40) | 9.60 ± 1.49 ( 40) | 9.26 ± 1.55 ( 46) | 9.20 ± 1.20 ( 47) |
| SPLEEN | 0.93 ± 0.83 ( 36) | 1.46 ± 1.71 ( 40) | 1.16 ± 1.48 ( 40) | 0.95 ± 0.83 ( 46) * | 0.83 ± 0.30 ( 46) |
| GONADS | 0.13 ± 0.02 ( 36) | 0.12 ± 0.03 ( 39) | 0.12 ± 0.03 ( 39) | 0.11 ± 0.03 ( 44)* | 0.11 ± 0.02 ( 46)* |

* = SIGNIFICANTLY DIFFERENT FROM CONTROL GROUP

--- = NO AVAILABLE DATA

# Table 43

## TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

## SUMMARY OF 6 AND 12 MONTH KILL HISTOPATHOLOGIC LESIONS

| | Number of Animals Where Lesion is Present[a] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dose (mg/kg/day) | | | | | | | | | |
| | Males | | | | | Females | | | | |
| 6-Month Kill | 0.0 | 0.4 | 2.0 | 10.0 | 50.0 | 0.0 | 0.4 | 2.0 | 10.0 | 50 |
| Spleen | | | | | | | | | | |
| Increased pigment | 0 | 0 | 0 | 10 | 10 | 0(11) | 0(11) | 0 | 7 | 10 |
| Increased extramedullary hematopoiesis | 0 | 0 | 0 | 8 | 10 | 0(11) | 0(11) | 0 | 0 | 7 |
| Kidneys | | | | | | | | | | |
| Nuclear hypertrophy | 0 | 0 | 10 | 10 | 10 | 0(11) | 0(11) | 0 | 10 | 10 |
| Cytoplasmic bodies | 0 | 0 | 10 | 10 | 10 | 0(11) | 0(11) | 0 | 0 | 0 |
| Increased Pigment | 0 | 0 | 0 | 0 | 0 | 0(11) | 0(11) | 0 | 10 | 10 |
| 12-Month Kill | | | | | | | | | | |
| Spleen | | | | | | | | | | |
| Increased pigment | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 3 | 8 | 10 |
| Increased extramedullary hematopoiesis | 0 | 1 | 0 | 0 | 9 | 3 | 1 | 0 | 0 | 9 |
| Sinusoidal congestion | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 |
| Kidneys | | | | | | | | | | |
| Nuclear hypertrophy | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 8 | 10 | 10 |
| Cytoplasmic bodies | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 |
| Increased pigment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 10 |

[a] N=10 except where indicated by parentheses.

Table 44

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the Terminal Sacrificed Males and 12-24 Month MS/SD[a]

| | DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| **HEPATOCELLULAR HYPERPLASIA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 6 | 7 | 6 | 16** | 27** |
| ABSENT | 26 | 22 | 20 | 14 | 12 |
| MS/SD: | | | | | |
| PRESENT | 3 | 3 | 1 | 7 | 7* |
| ABSENT | 19 | 22 | 27 | 17 | 9 |
| **SPLEEN - INCREASED PIGMENT** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 4* | 3* | 9** | 36** |
| ABSENT | 32 | 25 | 23 | 21 | 3 |
| MS/SD: | | | | | |
| PRESENT | 4 | 3 | 5 | 9 | 11** |
| ABSENT | 18 | 22 | 23 | 15 | 5 |
| **SPLEEN - CONGESTION** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 10 | 12 | 18** | 10 | 29** |
| ABSENT | 22 | 17 | 8 | 20 | 10 |
| MS/SD: | | | | | |
| PRESENT | 0 | 2 | 0 | 4* | 0 |
| ABSENT | 22 | 23 | 26 | 20 | 16 |

[a] Moribund sacrifice or spontaneous death
* P < 0.05
** P < 0.01

Table 44 (contd)

Twenty-Four Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the Terminal Sacrificed Males and 12-24 Month MS/SD[a]

| | DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| **SPLEEN - MONOCYTIC LEUKEMIA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 22 | 15 | 8** | 19 | 1** |
| ABSENT | 10 | 14 | 18 | 11 | 38 |
| MS/SD: | | | | | |
| PRESENT | 11 | 11 | 11 | 14 | 2* |
| ABSENT | 11 | 14 | 17 | 10 | 14 |
| **SPLEEN - INCREASED EXTRAMEDULARY HEMATOPOIESIS** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 1 | 1 | 5* | 22** |
| ABSENT | 32 | 28 | 25 | 25 | 17 |
| **KIDNEYS - INCREASED RENAL PIGMENT** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 14 | 13 | 8 | 29** | 39** |
| ABSENT | 18 | 16 | 18 | 1 | 0 |
| MS/SD: | | | | | |
| PRESENT | 8 | 7 | 7 | 18** | 11* |
| ABSENT | 14 | 18 | 21 | 6 | 5 |
| **KIDNEYS - INFLAMMATION, LYMPHOCYTIC** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 31 | 27 | 26 | 29 | 39 |
| ABSENT | 1 | 2 | 0 | 1 | 0 |
| MS/SD: | | | | | |
| PRESENT | 14 | 8 | 20 | 21 | 16** |
| ABSENT | 8 | 17 | 8 | 3 | 0 |

[a] Moribund sacrifice or spontaneous death
* $P < 0.05$
** $P < 0.01$

Table 45

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the Terminal Sacrificed Females and 12-24 Month MS/SD[a]

| | DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| **SPLEEN - INCREASED PIGMENT** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 5 | 1 | 3 | 32** | 35** |
| ABSENT | 32 | 39 | 37 | 14 | 12 |
| **SPLEEN - INCREASED EXTRAMEDULARY HEMATOPOIESIS** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 13 | 6 | 5 | 28* | 36** |
| ABSENT | 24 | 34 | 35 | 18 | 11 |
| **SPLEEN - CONGESTION** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 7 | 8 | 15* | 35** | 37** |
| ABSENT | 30 | 32 | 25 | 11 | 10 |
| **SPLEEN - MONOCYTIC LEUKEMIA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 8 | 14 | 14 | 5 | 1** |
| ABSENT | 29 | 26 | 26 | 41 | 46 |
| **KIDNEYS - INCREASED RENAL PIGMENT** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 30 | 34 | 40** | 46** | 47** |
| ABSENT | 7 | 6 | 0 | 0 | 0 |
| MS/SD: | | | | | |
| PRESENT | 5 | 7 | 13** | 5 | 8** |
| ABSENT | 12 | 7 | 2 | 4 | 0 |

[a] Moribund sacrifice or spontaneous death
* $P < 0.05$
** $P < 0.01$

Table 45 (contd)

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the Terminal Sacrificed Females and 12-24 Month MS/SD[a]

| | DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| **KIDNEYS - INFLAMMATION, LYMPHOCYTIC** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 14 | 16 | 16 | 33** | 32* |
| ABSENT | 23 | 24 | 24 | 13 | 15 |
| **KIDNEYS - MINERALIZATION AND HYPERPLASIA OF PELVIC EPITHELIUM** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 0 | 0 | 0 | 7* |
| ABSENT | 37 | 40 | 40 | 46 | 40 |
| **URINARY BLADDER - HYPERPLASIA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 0 | 0 | 2 | 12** |
| ABSENT | 37 | 40 | 40 | 44 | 35 |
| **URINARY BLADDER - PAPILOMA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 0 | 0 | 1 | 4 |
| ABSENT | 37 | 40 | 40 | 45 | 43 |
| MS/SD: | | | | | |
| PRESENT | 0 | 0 | 0 | 0 | 1 |
| ABSENT | 17 | 14 | 15 | 9 | 7 |
| **URINARY BLADDER - CARCINOMA** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 0 | 0 | 0 | 1 | 11* |
| ABSENT | 37 | 40 | 40 | 6 | 36 |
| MS/SD: | | | | | |
| PRESENT | 0 | 0 | 0 | 0 | 1 |
| ABSENT | 17 | 14 | 15 | 9 | 7 |
| **BONE MARROW - FIBROSIS** | | | | | |
| TERMINAL SACRIFICE: | | | | | |
| PRESENT | 4 | 6 | 10 | 12 | 15** |
| ABSENT | 33 | 34 | 30 | 34 | 32 |

[a] Moribund sacrifice or spontaneous death

* P < .05

** P < .01

FIGURES

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN HEMATOCRIT VALUES (%) VS TIME
IN MALES

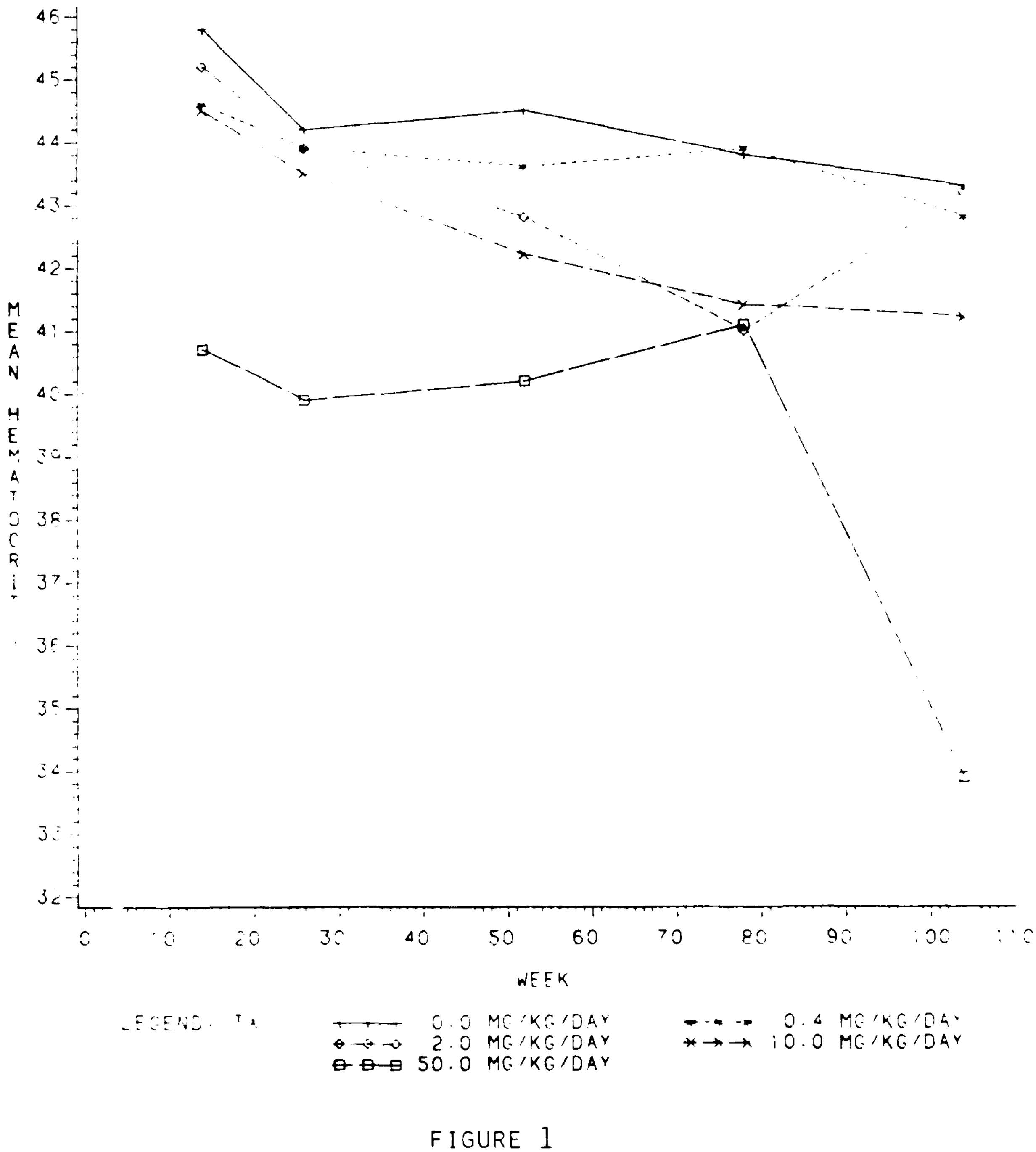



FIGURE 1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN HEMATOCRIT VALUES (%) VS TIME
IN FEMALES

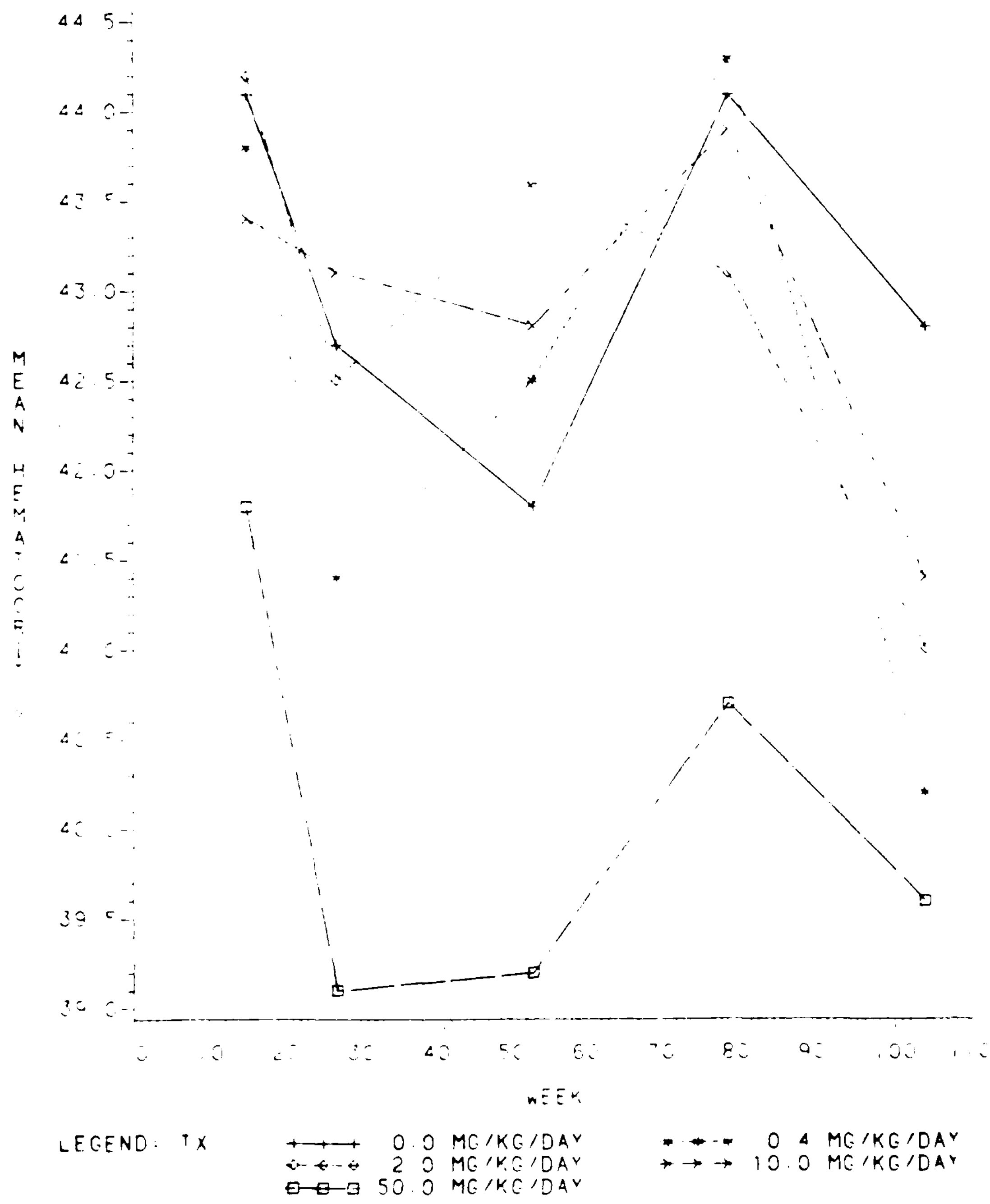



FIGURE 2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT MEAN METHEMOGLOBIN VALUES (g/dl) VS TIME IN MALES

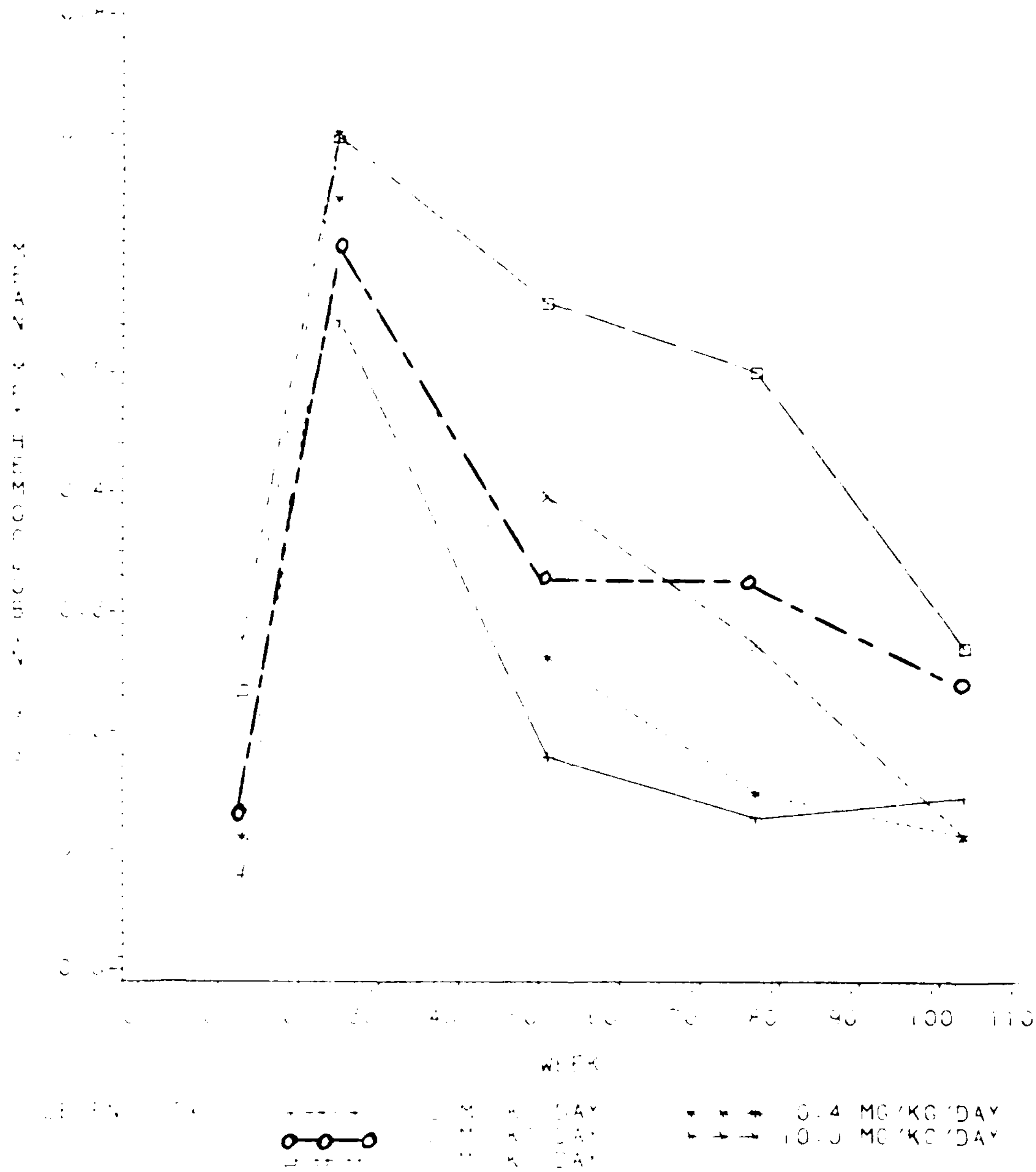



FIGURE 3

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN METHEMOGLOBIN VALUES (g/dl) VS TIME

IN FEMALES

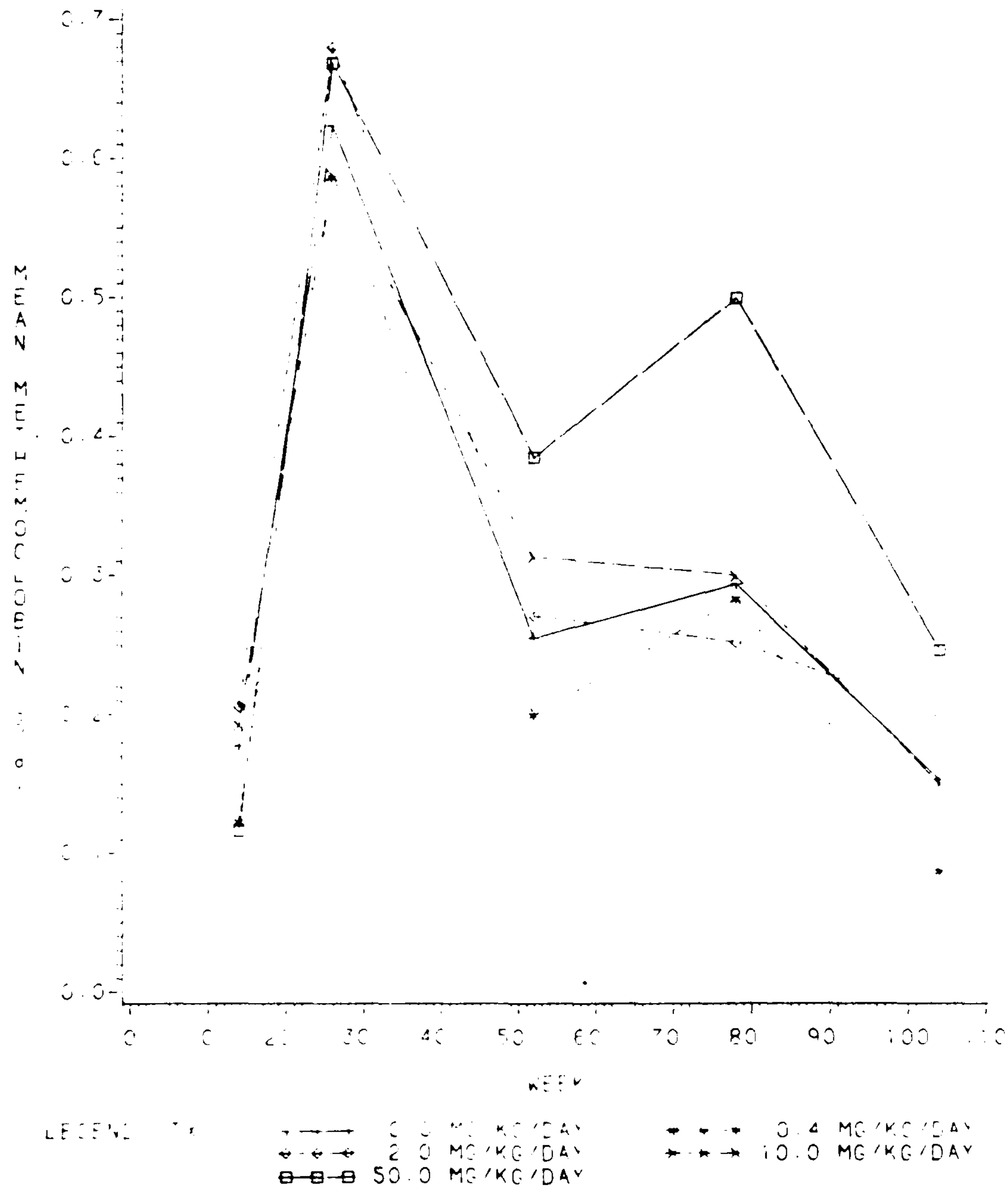



FIGURE 4

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN CHOLESTEROL VALUES (mg/dl) VS TIME
IN MALES

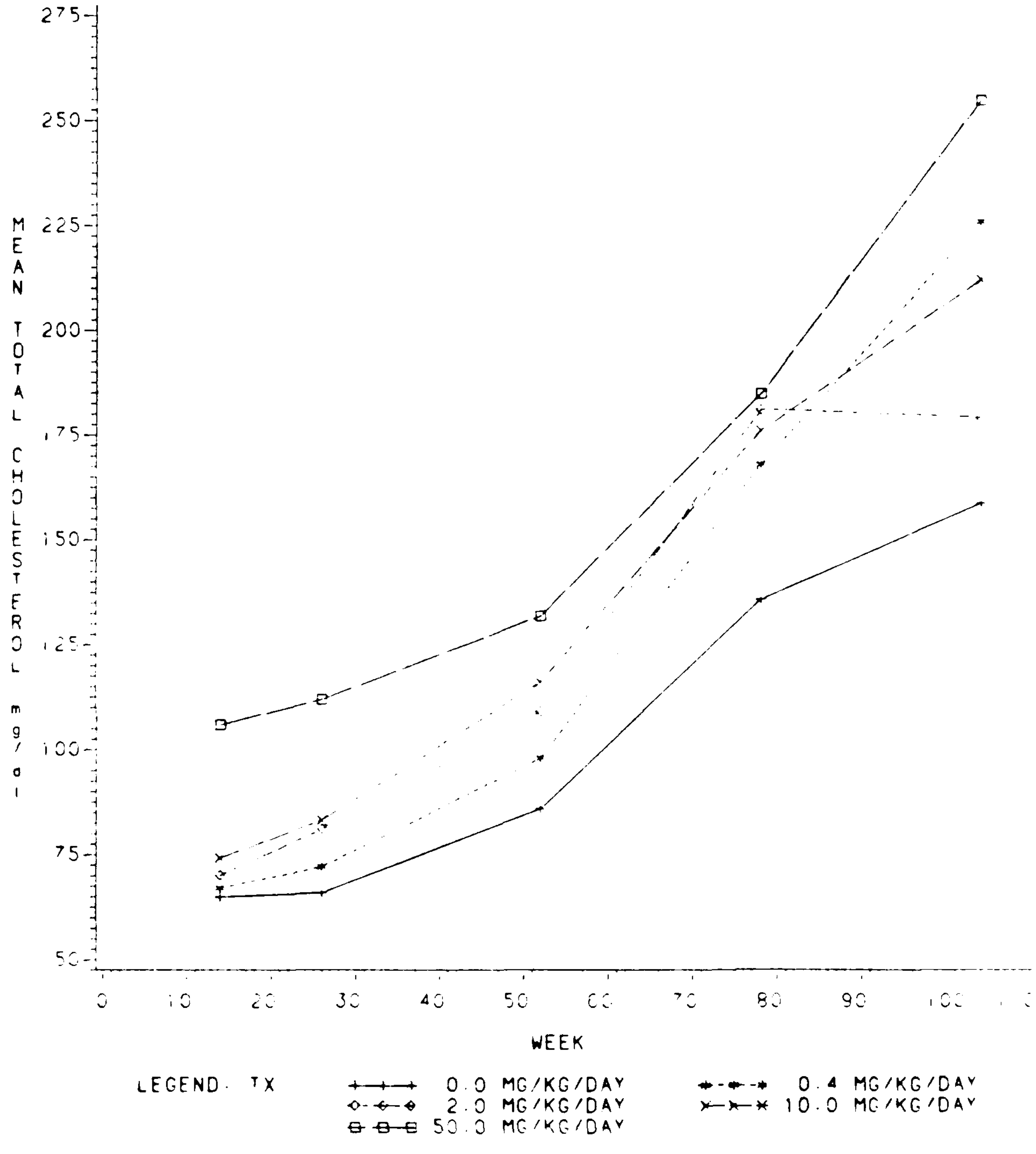





FIGURE 5

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN CHOLESTEROL VALUES (mg/dl) VS TIME

# IN FEMALES

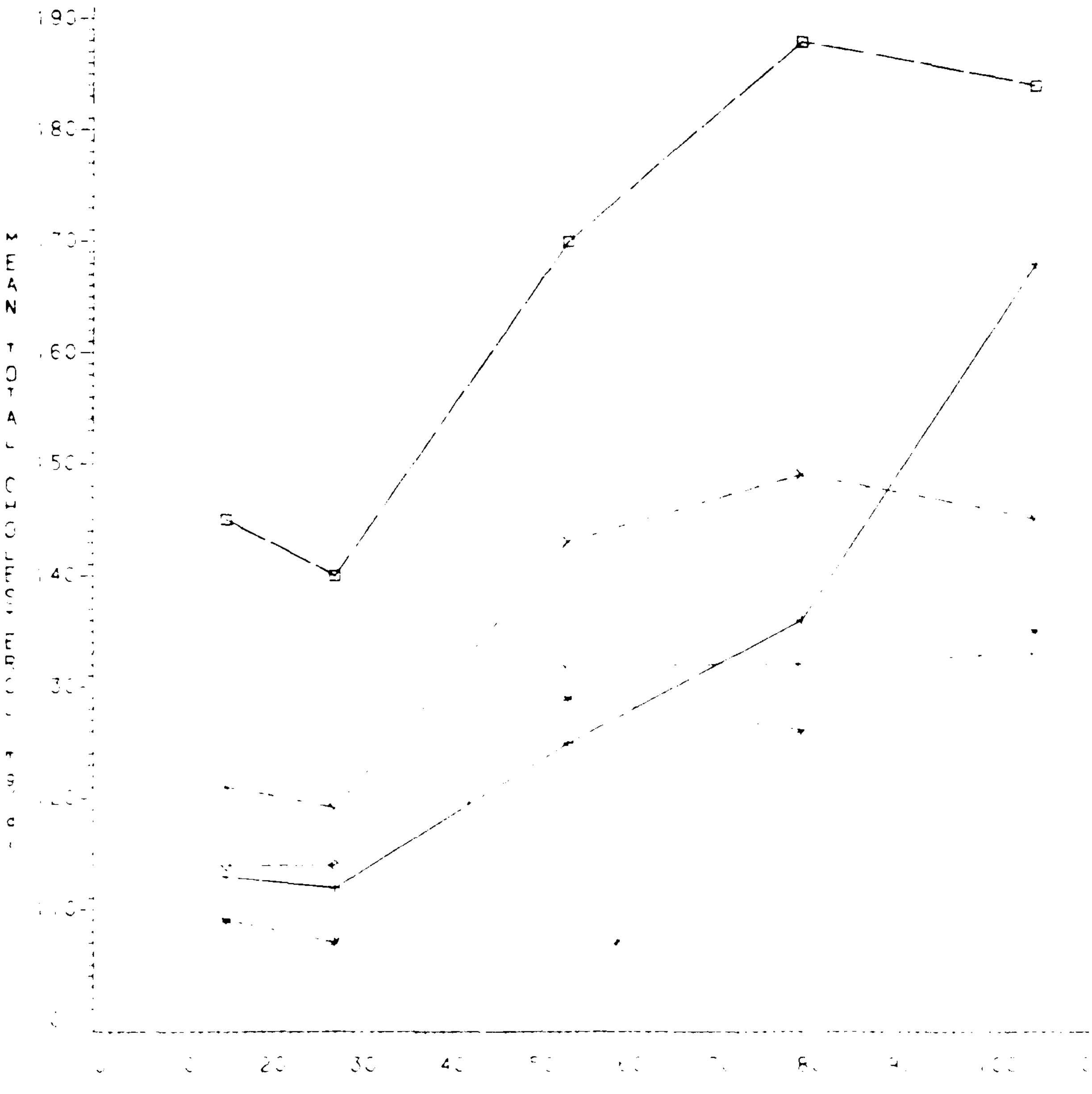



FIGURE 6

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT MEAN TRIGLYCERIDE VALUES (mg/dl) VS TIME

# IN MALES

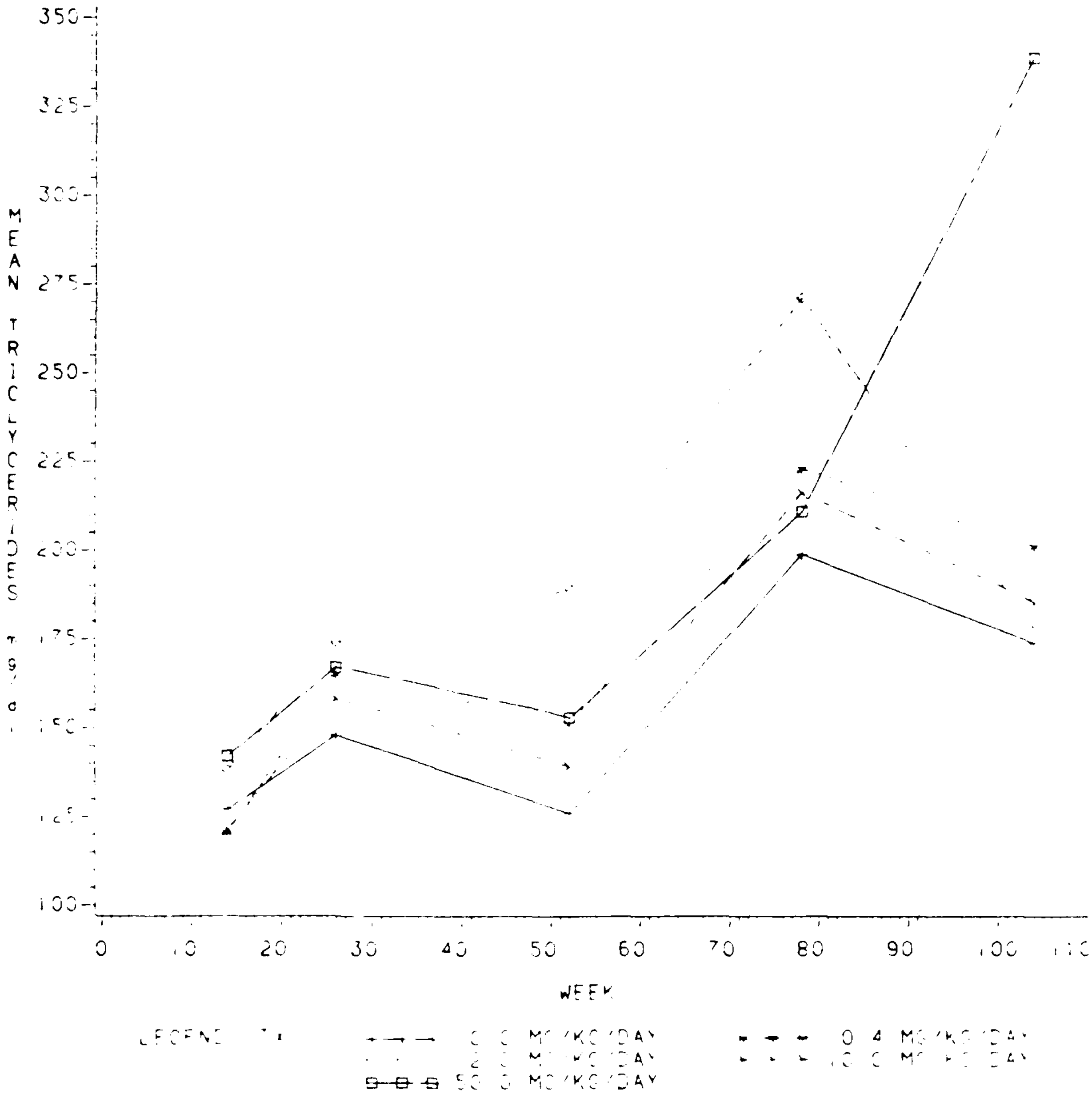



FIGURE 7

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN TRIGLYCERIDE VALUES (mg/dl) VS TIME

IN FEMALES

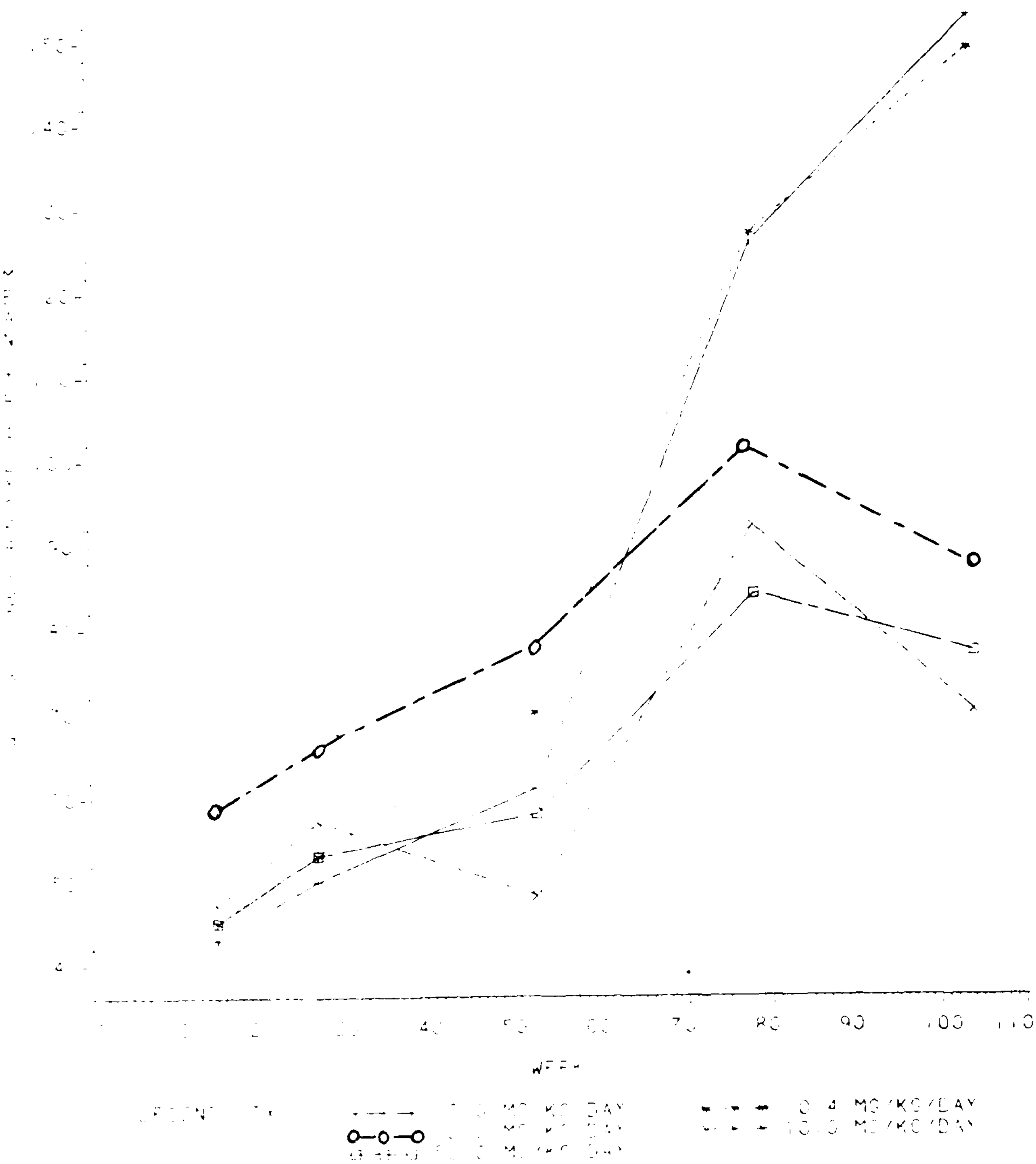


FIGURE 8

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN TOTAL PROTEIN VALUES (g/dl) VS TIME
IN MALES

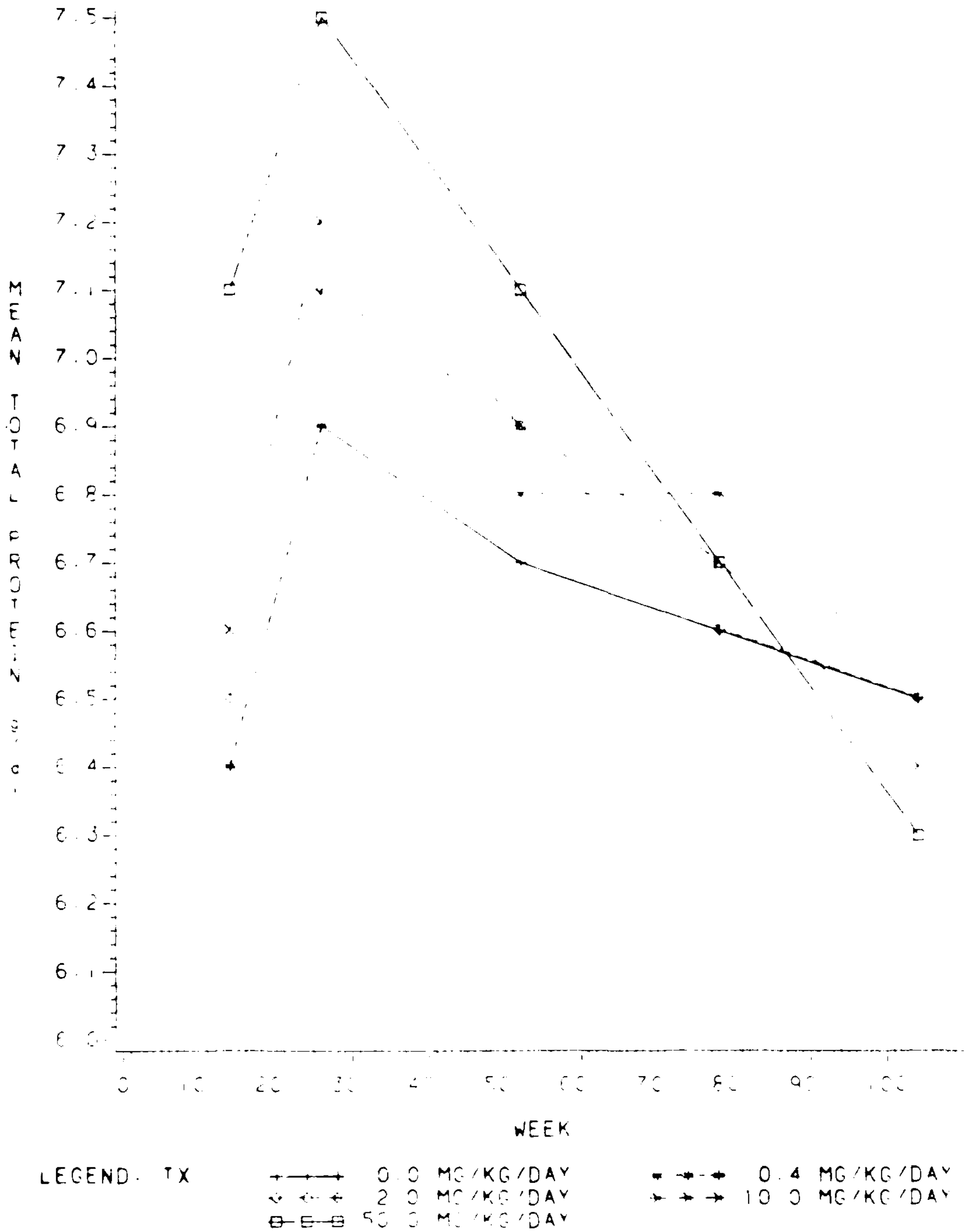





FIGURE 9

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
MEAN TOTAL PROTEIN VALUES (g/dl) VS TIME
IN FEMALES

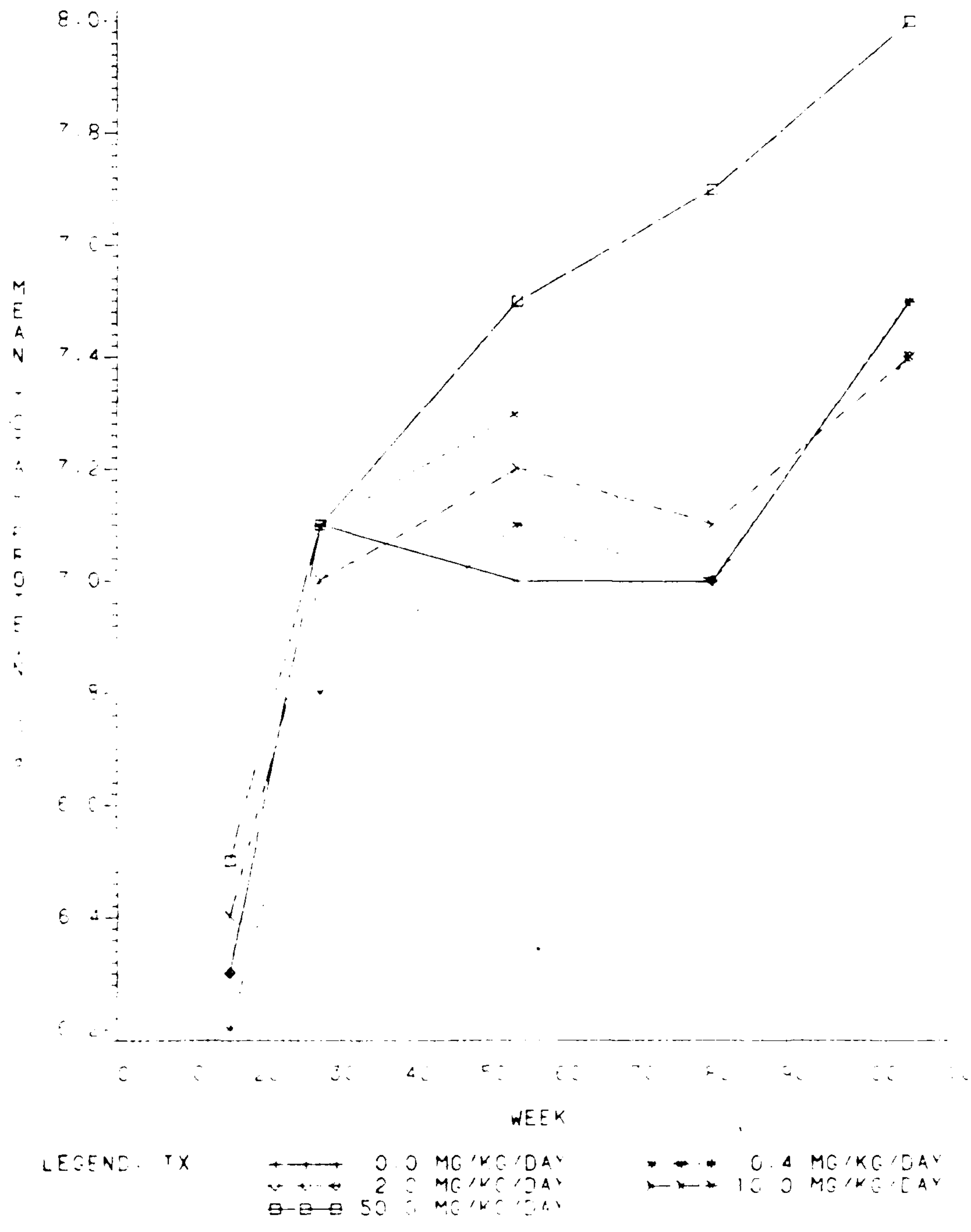



FIGURE 10

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT

# MEAN A/G RATIOS VS TIME IN MALES

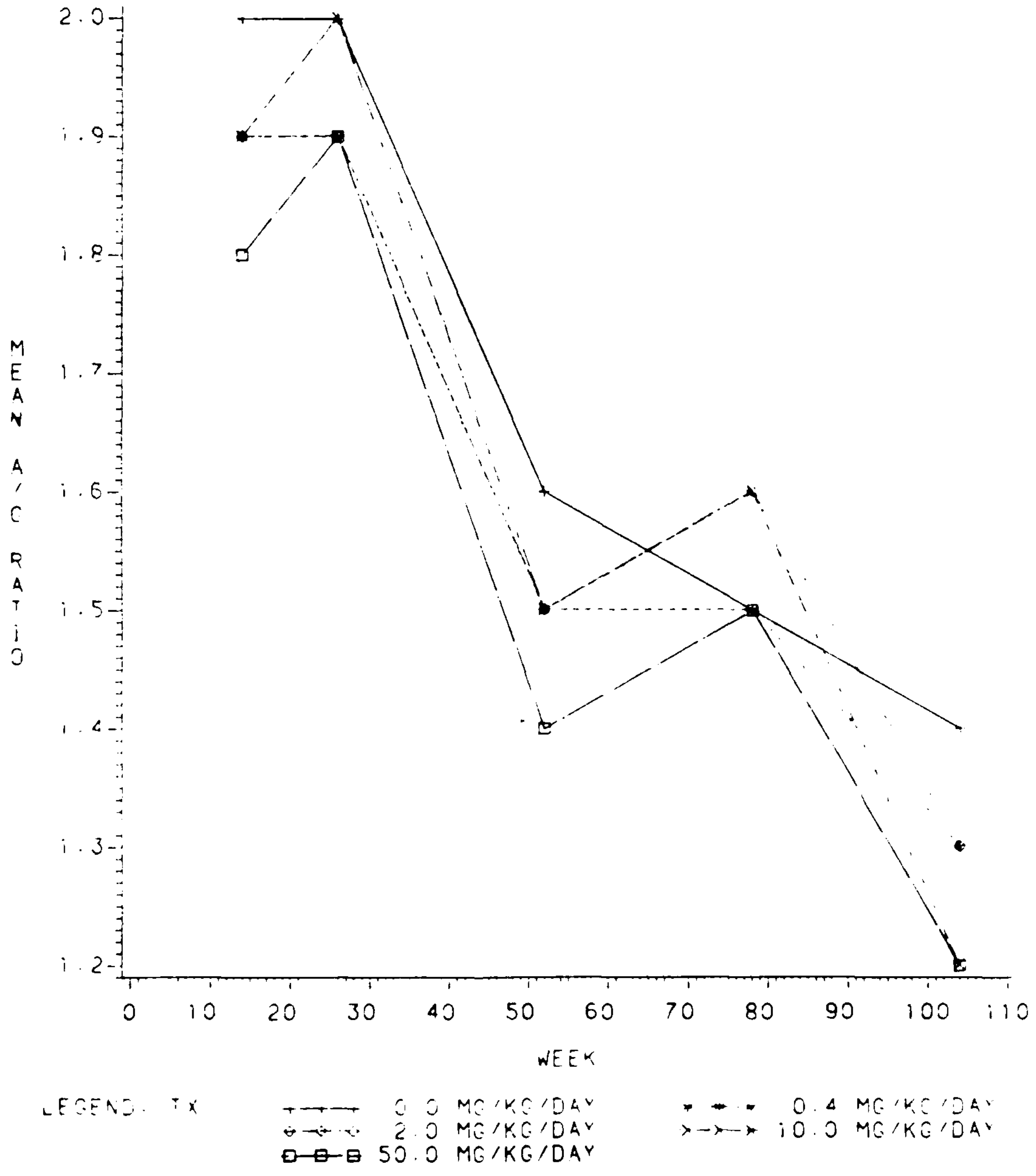



FIGURE 11

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT

# MEAN A/G RATIOS VS TIME IN FEMALES

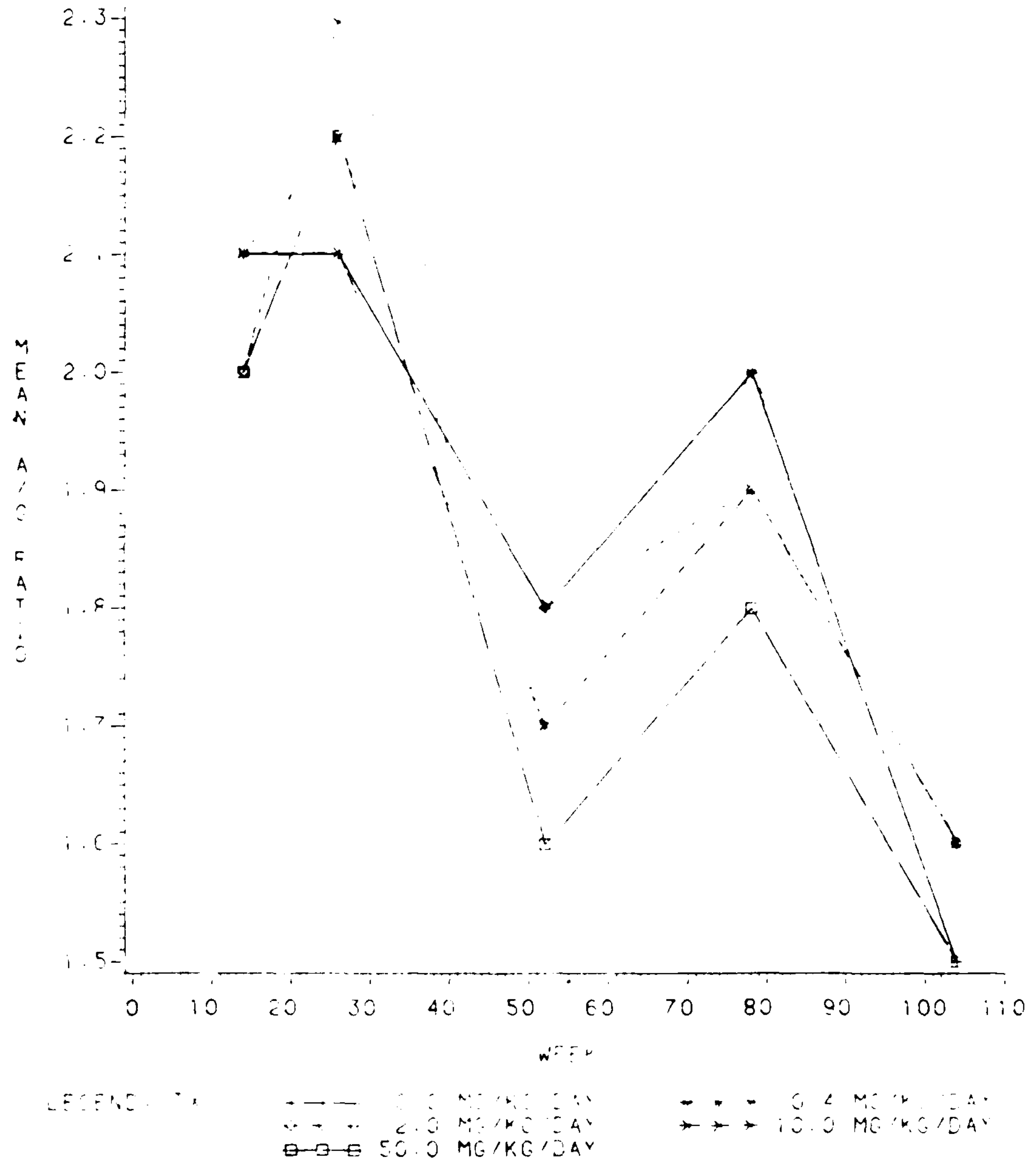



FIGURE 12

APPENDIX I

TEST ARTICLE ANALYSIS

APPENDIX 1A

## ANALYSIS OF THE TNT TEST ARTICLE

*SCOPE*

1.1 The procedure describes the analysis of the TNT test article for purity.

1.2 This method is recommended for use only by experienced analysts famiiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified person.

*INTERFERENCES*

2.1 Solvents, reagents, glassware and other sample processing hardware may yeild discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method bland.

*EQUIPMENT*

3.1 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondpak $C_{18}$ column
- ultraviolet detector capable of monitoring $\lambda$ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation

*REAGENTS*

4.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

4.2 Methanol, Acetronitrile, and Water HPLC Grade or equivalent

4.3 S.A.R.M. 2,4,6-TNT, Supplied by sponsor (Purity 99.8%)

*CALIBRATION*

5.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzophenone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

5.2 A constant injection volume of 10 μl was employed for all measurements.

5.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

5.4 Retention times should remain relatively constant (within + 5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ± 5%, supervising chemist should be informed prior to the analysis and corrective actions should be taken.

*QUALITY CONTROL*

6.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free.

6.2 In a typical sample set, a minimum of one blank and five samples will be analyzed.

6.3 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and Q.A. officer will review and approve all the changes.

*SAMPLE PREPARATION*

7.1 The test article will be spread on a sheet of paper, and five samples will be taken from different areas. Each sample shall have a weight of ~150 mg. The samples will be collected in amber vials and stored at refrigerator temperatures in the dark until analysis.

7.2 A portion of the sample (100 mg) will be weighed and transferred to a 100 ml volumetric flask. The internal standard will be added and it will be added and it will be diluted to volume. It will be further diluted to a concentration of 20 μg/ml and analyzed by high performance liquid chromatography.

7.3 If the sample is not analyzed immediately it will be stored at refrigerator temperatures in the desk.

*HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)*

8.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column 3.9 mm x 30.0 cm μ-Bondpak $C_{18}$; Solvent System, mentanol:water (70%:30%, v/v); Flow Rate, 1.0 ml/min;

Detection, UV at 254 nm; Sensitivity, 0.1 AUFS. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes, respectively. The limit of detection was 2 μg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure 1A.1.

8.2 The chromatographic system was calibrated daily with a minimum of two injections of our standard representative of chromatographic range.

8.3 An injection volume of 10.0 μl was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

*CALCULATIONS*

9.1 Determine the concentration of TNT using the formula:

$$\%\ \text{TNT in Sample} = \frac{(Ax)\ (Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

Ax = Area (X) where x is TNT

Ais = Area (internal standard)

Fx = $\frac{\text{Area (X)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is TNT

9.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results were recorded in standard IITRI logbooks and these plus chromatograms and data tapes were retained in the Chemistry Division Q.A. files.

APPENDIX IB

# ANALYSIS OF TNT IN DIETS

*SCOPE AND APPLICATION*

1.1 This method covers the determination of TNT in diets from the 0.0005% to 0.1% level.

1.2 The sensitivity of this method is dependent on the level of interferences present in the samples, rather than the instrumental limitations.

1.3 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

*SUMMARY OF THE METHOD*

2.1 A weighed quantity of the sample was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porous glass filter and the filtrate was transferred with washings to a volumetric flask. Benzophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm μ-Bondapak $C_{18}$ column with methanol:water (70%:30%) and the eluant was monitored with an ultraviolet absorption detector at $\lambda$ = 254 nm.

*INTERFERENCES*

3.1 Solvents, reagents, glassware, and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.

3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

*MATERIALS*

4.1 Erlenmeyer flasks, 125 ml.

4.2 Filtering apparatus, vacuum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

*EQUIPMENT*

5.1 Mettler Grammatic Analytical Balance, No. 1-910

5.2 Corning Hot Plate Stirrers, BC 351

5.3 Buchi Evaporator, Model R

5.4 Sample Clarification Kit, Organic (Water's Associates)

5.5 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondapak $C_{18}$ column
- ultraviolet detector capable of monitoring $\lambda$ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calibration.

*REAGENTS*

6.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

6.2 Methanol, Acetonitrile, and water, HPLC Grade or equivalent

6.3 S.A.R.M. 2,4,6-TNT, Supplied by sponsor (Purity 99.8%)

*CALIBRATION*

7.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzopheone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 0.5 μg/ml, 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

7.2 A constant injection volume of 10 μl was employed for all measurements.

7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

7.4 Retention times should remain relatively constant (within ±5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ±5%, supervising chemist should be informed prior to the analysis and corrective actions should be taken.

*QUALITY CONTROL*

8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.

8.2 Standard quality assurance practices were used with this method. A minimum of six replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.

8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of TNT to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiment.

8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and the Q.A. officer will review and approve all the changes.

8.5 The typical analysis will consist of the following samples, one blank sample, 6 diet samples as is, 3 feed samples spiked for recovery determination at the diet concentration.

*SAMPLE COLLECTION*

9.1 Samples are collected and stored prior to analysis according to SOP 81 sample collection (TNT and RDX diet samples).

*SAMPLE EXTRACTION*

10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for the diet mixture is ten grams. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for 30 minutes only at room temperature.

10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.

10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately three mls each and the rinses are poured into the funnel. The vacuum is reapplied and the washing process is completed.

10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 5 ml portions of acetonitrile and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial TNT concentration in the sample. The dilution for various sample levels is shown in Table 1B.1. Diet samples will be diluted to a volume that places them in the working range of the chromatographic system.

10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 µm filter. The sample is now ready for analysis for HPLC.

TABLE 1B.1 DILUTION SCHEME FOR TNT DIET SAMPLES

| Diet Level (%) | Extract Volume (ml) | Extract Diluted (ml) | Benzophenone (IS) Added | Final Volume (ml) |
|---|---|---|---|---|
| 0.0005 | 100 | -- | 1 ml 50 µg/ml | 100 |
| 0.0050 | 100 | -- | 1 ml 500 µg/ml | 100 |
| 0.010 | 100 | -- | 1 ml 1000 µg/ml | 100 |
| 0.050 | 100 | 10 | 1 ml 500 µg/ml | 25 |
| 0.100 | 100 | 10 | 1 ml 1000 µg/ml | 50 |

*STORAGE OF SAMPLES*

11.1 All samples including diet and blank feed will be stored in the dark at refrigerator temperatures.

11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.

11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigerator temperatures.

11.4 TNT and benzophenone standards and all standard solutions will be stored in the dark at refrigerator temperatures.

*HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)*

12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm µBondapak $C_{18}$; Solvent System, Methanol:Water (70%:30%, v/v); Flow Rate, 1.0ml/min; Dection,UV at 254 nm. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes respectively. The limit of detection was 0.2 µg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure 1. For levels at and below 0.005% TNT, the chromatographic conditions have been changed. The eluting solvent in these cases is Methanol:Water (60%:40%, v/v) at a flow rate of 1.5 ml/min.

12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of the chromatographic range.

12.3 An injection volume of 10.0 µl was used for each sample except at or below the 0.005% level them 25.0 µl was used. Each injection at the 0.0005% level was followed by 100µl of acetonitrile to speed along the long retaining impurities. If the peak area exceeds the linear range of a sample it was diluted and reanalyzed.

12.4 For the diets at and below the 0.005% level the retention times are 4.6 and 9.9 minutes for TNT and benzophenone respectively.

12.5 Following the completion of an analysis or set of analyses a gradient going from intial solvent to 100% methanol in 15 min will be used to elute nonpolar compounds from the column. Elution at 100% methanol will be continued for at least one hou

*CALCULATIONS*

13.1 Determine the concentration of TNT using the formula:

$$\% \text{ TNT in Sample} = \frac{(Ax)(Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

$Ax$ = Area (X) where x is TNT

$Ais$ = Area (internal standard)

$$Fx = \frac{\text{Area (x)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$$

$Wis$ = Weight of the internal standard

$Ws$ = Weight of the sample

$D$ = The dilution factor

$Wx$ = Wt of component x is TNT

13.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results are recorded in standard IITRI logbooks and these plus chromatograms and data tapes are retained in the Chemistry Division Q.A. files.

*SAFETY*

14.1 Safety regulations will be followed at all times especially with regard to the handling of toxic materials. When the diet samples are being handled, a lab coat and gloves will be appropriate attire. When solutions or extracts are being handled, a lab coat and gloves should be worn when there is the chance of direct contact with these materials.

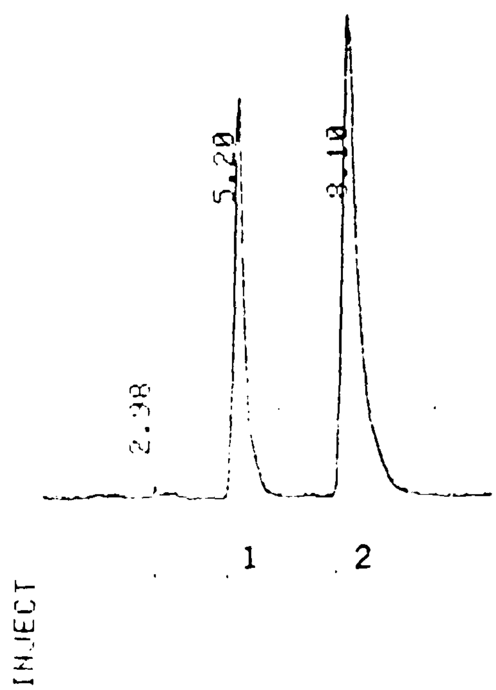



Figure 1A.1. Chromatogram of TNT (1) benzophenone (2) standard, 20 µg/ml.

APPENDIX IC

# ANALYSIS OF TNT IN DIET PREMIXES

*SCOPE AND APPLICATION*

1.1 This method covers the determination of TNT in diet premixes at 10% and 50% level.

1.2 The sensitivity of this method is usually dependent on the level of interferences present in the samples, rather than the instrumental limitations.

1.3 This method is recommended for use only by experienced analysts familiar with High Performance Liquid Chromatography (HPLC) or under close supervision of such qualified persons.

*SUMMARY OF THE METHOD*

2.1 A weighed quantity of the premix was stirred with 50 ml of acetonitrile for 30 minutes. The suspension was filtered through a porous glass filter and the filtrate was transferred with washings to a volumetric flask. Benzophenone, the internal standard was added to the filtrate or a portion, thereof and this solution was diluted to its final volume. The samples were analyzed using reverse phase high performance liquid chromatography. Each was eluted on 3.9 mm x 30.0 cm μ-Bondapak $C_{18}$ column with methanol: water (70%:30%) and the eluant was monitored with an ultraviolet absorption detector at $\lambda$ = 254 nm.

*INTERFERENCES*

3.1 Solvents, reagents, glassware, and other sample processing hardware may yield discrete artifacts and/or elevated baselines causing misinterpretation of chromatograms. All of these materials must be shown to be free from interferences under the conditions of the analysis by running method blanks.

3.2 Interferences coextracted from the samples will vary considerably from source to source, depending on the type of animal feed used in the study.

*MATERIALS*

4.1 Erlenmeyer flasks, 125 ml.

4.2 Filtering apparatus, vacuum flask, 125 ml; fritted glass filters, porosity M, ASTM 10-20 microns.

*EQUIPMENT*

5.1 Mettler Grammatic Analytical Balance, No. 1-910

5.2 Corning Hot Plate Stirrers, BC 351

5.3 Buchi Evaporator, Model R

5.4 Sample Clarification Kit, Organic (Water's Associates)

5.5 Higher Performance Liquid Chromatography

- constant flow, isocratic pumping system
- reverse phase column, 10 μ - 3.9 mm x 30 cm μ-Bondapak $C_{18}$ column
- ultraviolet detector capable of monitoring λ = 254 nm
- strip chart recorder and electronic integrator capable of measuring peak areas and performing an internal standard calculation.

*REAGENTS*

6.1 Benzophenone, an internal standard, Aldrich Chemical Company (Purity 99%)

6.2 Methanol, Acetonitrile, and Water, HPLC Grade or equivalent

6.3 S.A.R.M. 2,4,6-TNT, Supplied by sponsor (Purity 99.8%)

*CALIBRATION*

7.1 Calibration standards were prepared from stock solutions containing 200 μg TNT, and benzophenone per ml acetonitrile so as to bracket the working range of the chromatographic system. These concentrations were: 2 μg/ml, 10 μg/ml, 20 μg/ml, and 40 μg/ml.

7.2 A constant injection volume of 10 μl was employed for all measurements.

7.3 In order to determine the precision of the HPLC system, a series of 6 replicate injections of the 20 μg/ml solution were made.

7.4 Retention times should remain relatively constant (within ±5% day to day) with TNT being 5.1 minutes, and benzophenone 8.2 minutes under the specified conditions. If the retention times are not within ±5%, the supervising chemist should be informed prior to the analysis and corrective actions should be taken.

*QUALITY CONTROL*

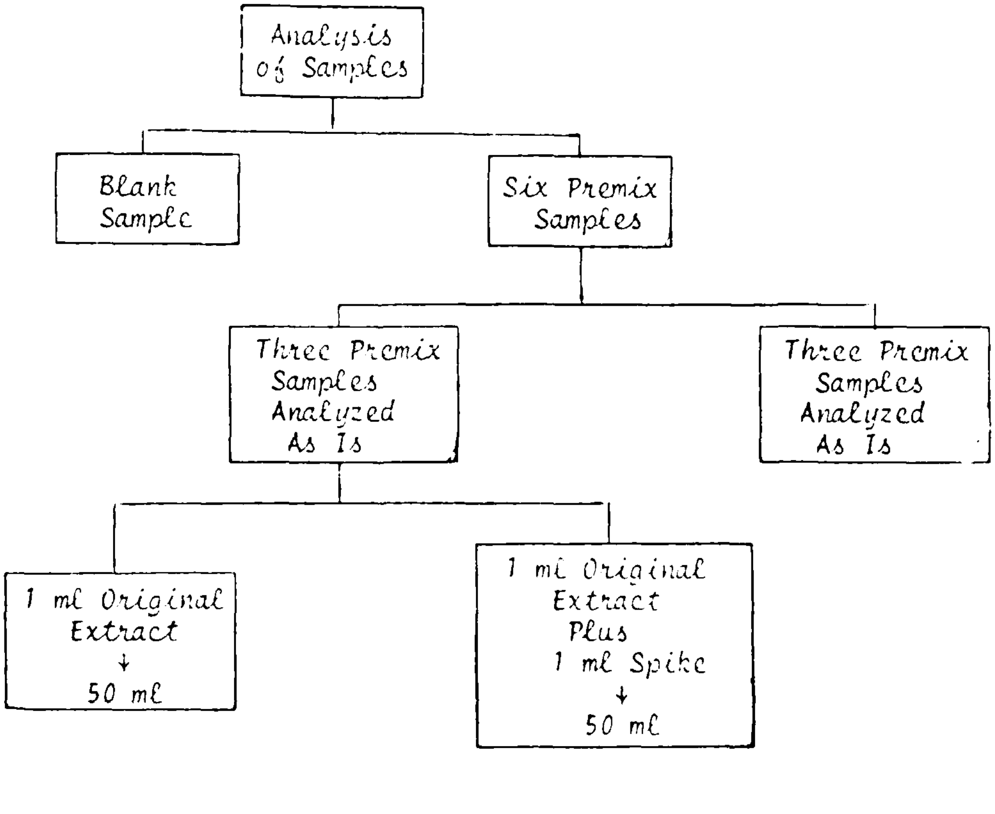
8.1 Before processing any samples, the analyst should demonstrate through the analysis of a blank that all glassware and reagents are interference free. Each time a set of samples is extracted or there is a change in reagents, a method blank should be processed as a safeguard against laboratory contamination.

8.2 Standard quality assurance practices were used with this method. A minimum of six replicate spiked samples were analyzed to validate the accuracy of the method. If doubt should arise concerning the identity of the peak on a chromatogram, confirmatory techniques such as mass spectrometry should be used.

8.3 In a typical sample set, a minimum of one blank and scheduled samples will be analyzed. A control sample will be prepared by adding a known concentration of TNT to the sample. The concentration will be in the working range of chromatographic system as determined by calibration experiments.

8.4 The analyst will follow each step in an analytical protocol without deviation or improvisions in order to accurately assess the performance of the method. Prior to making any changes in the procedure, analyst will consult the supervising chemist and the supervising chemist and the QA officer will review and approve all the changes.

8.5 The typical analysis will consist of the following samples shown in the diagram, one blank sample, 6 premix samples as is, 3 spiked samples.



*SAMPLE COLLECTION*

9.1 Samples are collected and stored prior to analysis according to SOP 81 Sample Collection and Storage (TNT and RDX Premix).

*SAMPLE EXTRACTION*

10.1 The appropriate amount of sample is weighed into a 125 ml Erlenmeyer flask using standard operating procedures. The sample amount for both the 10 percent and 50 percent premix is one gram. Approximately 50 mls of acetonitrile is added to the flask and it is stoppered. The sample is extracted by stirring for only 30 minutes at room temperature.

10.2 Following extraction, the sample was filtered through a medium porosity fritted glass filter. In this operation the extraction mixture was swirled to form a uniform suspension and immediately poured into the glass funnel. A stirring rod was used to drain the last drop of liquid from the flask.

10.3 The extraction flask was rinsed with three portions of acetonitrile of approximately five mls each and the rinse is poured into the funnel. The vacuum is reapplied and the washing process is completed.

10.4 The filtrate is transferred via a short-stem funnel into a volumetric flask. The filtering flask is rinsed three times, with approximately 5 ml portions of acetonitrile and the rinses are added to the volumetric flask. The size of the volumetric flask and the subsequent treatment of the sample depend on the initial TNT concentration in the sample. The dilution for samples is shown in Table 1C.1.

10.5 An aliquot (approximately 10 ml) is filtered using a Water's Organic Sample Clarification Kit using 0.5 µm filter. The sample is now ready for analysis for HPLC.

TABLE 1C.1 DILUTION SCHEME FOR SAMPLE EXTRACTS

| Premix Concentration | 10% | 50% |
|---|---|---|
| Original Extract Volume | 100 ml | 500 ml |
| Secondary Dilution | 1 ml extract plus 1 ml I.S. to volume of 50 ml with acetonitrile | 1 ml extract plus 1 ml I.S. to volume of 50 ml with acetonitrile |

1. I.S. solution concentration is 1000 µg/ml.
2. In the case of a sample analyzed by the method of standard addition 1 ml of the original extract was diluted with 50 ml acetonitrile, and 1 ml of the extract added to 1 ml of the spiking solution of known concentration was diluted with acetonitrile as above.

## *STORAGE OF SAMPLES*

11.1 All samples including premixes and blank feed will be stored in the dark at refrigerator temperatures.

11.2 If the sample preparation procedure is stopped at any point during the working day, the samples should be stored in stoppered vessels in the dark at refrigerator temperatures.

11.3 Samples that are ready for HPLC analysis will be stored in the dark at refrigerator temperatures.

11.4 TNT and benzophenone standards and all standard solutions will be stored in the dark at refrigerator temperatures.

## *HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)*

12.1 Each sample was analyzed by reverse phase HPLC using the conditions described below: Column, 3.9 mm x 30.0 cm μ-Bondapak $C_{18}$; Solvent System, methanol:water (70%:30%, v/v); Flow Rate, 1.0 ml/min; Detection, UV at 254 nm; Sensitivity, 0.1 AUFS. The retention times of TNT and benzophenone were 5.1 and 8.2 minutes, respectively. The limit of detection was 2 μg TNT/ml acetonitrile and is defined as 5x the background noise. The representative chromatogram is Figure 1C.1.

12.2 The chromatographic system was calibrated daily with a minimum of two injections of one standard representative of chromatographic range.

12.3 An injection volume of 10.0 μl was used for each sample. If the peak area exceed the linear range of a sample it was diluted and reanalyzed.

12.4 Following the completion of an analysis or set of analyses, a gradient going from initial solvent conditions to 100% methanol in 15 minutes will be used to elute polar compounds from the column. Elution at 100% methanol will be continued for at least 1 hour.

## *CALCULATIONS*

13.1 Determine the concentration of TNT using the formula:

$$\%\ \text{TNT in Sample} = \frac{(Ax)(Wis) \times D \times 100}{(Fx)\ Ais\ (Ws)}$$

where

$Ax$ = Area (x) where x is TNT

$Ais$ = Area (internal standard)

$$Fx = \frac{\text{Area (X)} \times \text{weight (is)}}{\text{Area (is)} \times \text{weight (Wx)}}$$

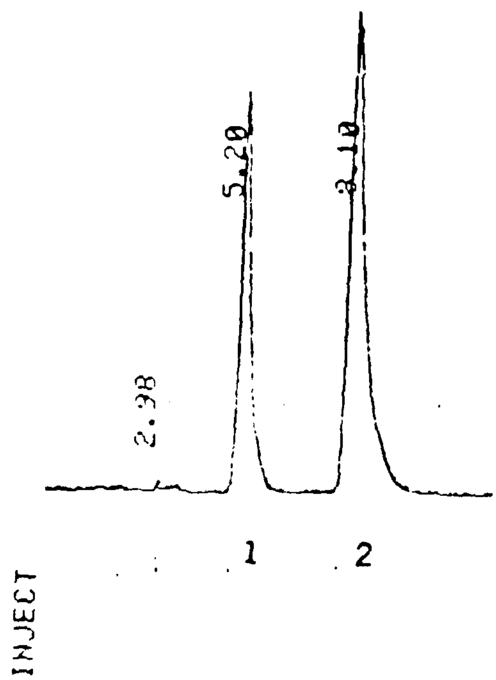



Figure 10.1 Chromatogram of TNT (1) benzophenone (2) standard, 20 μg/ml.

Wis = Weight of the internal standard

Ws = Weight of the sample

D = The dilution factor

Wx = Wt of component x is TNT

13.2 The results should be reported in percent TNT in the sample. Where replicate samples are analyzed, all data should be reported. All results were recorded in standard IITRI logbooks and these plus chromatograms and data tapes were retained in the Chemistry Division Q.A. files.

*SAFETY*

14.1 Safety regulations will be followed at all times especially with regard to the handling of toxic materials. When the premix samples are being handled, a lab coat, gloves, and a mask will be appropriate attire. When solutions or extracts are being handled, a lab coat and gloves should be worn when there is the chance of direct contact with these materials.

APPENDIX ID

SAMPLE COLLECTION AND STORAGE
(TNT AND/OR RDX PREMIX SAMPLES)

Scope

1.1 This procedure covers the collection and storage of TNT and RDX premix samples prior to analysis.

Materials and Equipment

2.1 Small scoop

2.2 Powder funnel

2.3 Amber vials with plastic screw cap

Sample Collection

3.1 Personnel of the Life Sciences Division will inform the supervising chemist and the analyst when they receive TNT or RDX premixes. The analyst will collect 6 samples from the Velostat bag container, one from each of four corners and two from the middle. At least 5.0 gram quantities of premix will be collected in order to permit the extraction and analysis steps to be performed in duplicate. All samples will be identified according to the Chemistry Division identification system. All detailed information will be placed in the sample identification logbook immediately.

The sampling procedure for the premix will be performed as follows: One sample is removed from the center of the storage bag with a small scoop which will permit the removal of a 5.0g quantity. The second sample will also be removed from the center of the container in the same manner as the first sample but at a deeper level.

After center sampling, the surface of the premix is restored by leveling and four additional samples will be removed with a small scoop from each of the four corners of the bag at gradually increasing depths by lifting the corners of the bag. The 6 samples will be labeled and placed in amber vials with plastic screw caps. The label will contain Date Sampled, Sample Number, Premix Identification, Lot Number and Sampled by Initials.

Sample Storage

4.1 All samples will be stored at refrigerator temperatures in the dark prior to analysis. This includes feed that will be used for blanks and control samples. Every three months (from manufacturing date) feed will be changed. This manufacturing date will be supplied by Life Science

Transmittal Record

5.1 Transmitted record will be completed by responsible personnel. A copy of Test Article Premix (T.A.P.) and/or T.A.P. Sample Transmittal (or custody) record is attached.

Sample Disposal

6.1 Samples or parts of samples will be returned to the Safety Officer for disposal.

Figure ID.1

TEST ARTICLE PREMIX (T.A.P.) AND/OR T.A.P. SAMPLE TRANSMITTAL (OR CUSTODY) RECORD

Project No. - Study No(s). ________________ T.A.P. ____________________

Lot No. ____________ T.A.P. Prepared (K.O.P.) Date/By: ________________

Intended Concentration: _____% Quantity (kg): ________ 5002 Lot No.: ______

Logbook No./Page No. __________ Storage Conditions of T.A.P. (K.O.P.):________

______________________________________________________________

T.A.P. Received (L.S.R.) Date/By:__________ Logbook No./Page No.:____________

Storage Conditions of T.A.P. in L.S.R.:__________________________________

T.A.P. SAMPLING AND ANALYSIS

T.A.P. Sampled Date/By:________________ Logbook No./Page No.: _____________

Witnessed By/Date:_____________ Storage Conditions of T.A.P. Sample by Chemistry

Personnel: ____________________________________________________

Extraction Performed By/Date: __________ Logbook No./Page No.: _____________

Analysis Performed By/Date: __________ Logbook No./Page No.: _____________

Data Reviewed & Approved By/Date: ____________________________

Analytical Report Prepared By/Date: ______________ Checked By/Date: __________

Quality Assurance Check By/Date: ____________________________

Analytical Report Received (L.S.R. Supervisor) By/Date: __________________

T.A.P. First Used By/Date: ____________ T.A.P. Last Used By/Date: ____________

Excess T.A.P. Submitted to K.O.P. Personnel for Disposal by Burning By/Date:

______________ Quantity (kg) ________________

Excess T.A.P. Received By/Date: ________________

Key

K.O.P. = Kingsbury Ordinance Plant, La Porte, IN.
5002 = Purina Certified Rodent Chow 5002

APPENDIX II

5002 CERTIFICATION PROFILE/ANALYSIS

# Certified Rodent Chow® #5002

Certified Rodent Chow is a controlled constant nutrient rodent diet recommended for life cycle feeding of rats, mice and hamsters. A sample of this product has been assayed for certain environmental contaminants. Maximum diet control is achieved by pre-analysis monitoring of key nutrients and certain contaminating substances. Diet control helps minimize variables in research studies.

## Guaranteed Analysis

| | |
|---|---|
| Crude protein, min | 20.0% |
| Crude fat, min | 4.5% |
| Crude fiber, max | 6.0% |
| Ash, max | 8.0% |
| Added minerals, max | 2.5% |

## Certification Profile

Based on analysis of a composite sample, each package contains not more than these maximum concentrations of the following substances.

| Heavy Metals | Maximum Concentration |
|---|---|
| Arsenic | 1.0 ppm |
| Cadmium | .5 ppm |
| Lead | 1.5 ppm |
| Mercury | .2 ppm |
| **Aflatoxin** | 10 ppb |
| **Chlorinated Hydrocarbons and PCB** | |
| Aldrin | .05 ppm |
| Dieldrin | .05 ppm |
| Endrin | .05 ppm |
| Heptachlor | .05 ppm |
| Heptachlor Epoxide | .05 ppm |
| Lindane | .05 ppm |
| Chlordane | .05 ppm |
| DDT Related Substances | .15 ppm |
| PCB | .15 ppm |
| **Organophosphates** | |
| Thimet | .5 ppm |
| Diazinon | .5 ppm |
| Disulfaton | .5 ppm |
| Methyl Parathion | .5 ppm |
| Malathion | .5 ppm |
| Parathion | .5 ppm |
| Thiodan | .5 ppm |
| Ethion | .5 ppm |
| Trithion | .5 ppm |

**Drugs and Estrogens** — This product is manufactured in a plant where antibiotics and synthetic estrogens are strictly prohibited. Routine monitoring for over a decade has not shown any detectable levels of these substances. No drugs or synthetic estrogens are permitted in manufacturing, storage or warehousing to avoid any contamination of Lab Chows diets.

**Other Contaminants** — If additional contaminants assays are needed, these can be obtained by ordering such analyses **prior to manufacture.** Cost of these additional assays will be charged based on current analyses rates at time of assay.

## Ingredients:

Ground extruded corn, soybean meal, ground oat groats, dried beet pulp, wheat germ meal, fish meal, brewers dried yeast, dehydrated alfalfa meal, cane molasses, dried milk products, meat and bone meal, wheat middlings, animal fat preserved with BHA, calcium carbonate, dicalcium phosphate, salt, animal liver meal, calcium iodate, vitamin $B_{12}$ supplement, methionine hydroxy analogue calcium, calcium pantothenate, choline chloride, folic acid, riboflavin supplement, thiamin, niacin, pyridoxine hydrochloride, ferrous sulfate, vitamin A supplement, D activated animal sterol, vitamin E supplement, iron oxide, manganous oxide, cobalt carbonate, copper oxide, zinc oxide.

## Chemical Composition*

| **Nutrients**** | |
|---|---|
| **Protein %** | 20.0 |
| Arginine % | 1.13 |
| Cystine % | .27 |
| Glycine % | .86 |
| Histidine % | .49 |
| Isoleucine % | 1.03 |
| Leucine % | 1.58 |
| Lysine % | 1.18 |
| Methionine % | .43 |
| Phenylalanine % | .88 |
| Threonine % | .78 |
| Tryptophan % | .24 |
| Valine % | 1.05 |
| **Fat %** | 4.5 |
| **Fiber %** | 4.6 |
| **TDN %** | 77.0 |
| **NFE** (by difference) %*** | 55.1 |
| Gross Energy, KCal/gm | 4.1 |
| **Ash %** | 5.8 |
| Calcium % | .90 |
| Phosphorus % | .70 |
| Potassium % | .86 |
| Magnesium % | .21 |
| Sodium % | .30 |
| Chlorine % | .47 |
| Fluorine, ppm | — |
| Iron, ppm | 180.0 |
| Zinc, ppm | 52.4 |
| Manganese, ppm | 63.0 |
| Copper, ppm | 13.3 |
| Cobalt, ppm | .6 |
| Iodine, ppm | 1.2 |
| **Vitamins** | |
| Carotene, ppm | 5.6 |
| Menadione (added), ppm | — |
| Thiamin, ppm | 13.3 |
| Riboflavin, ppm | 8.0 |
| Niacin, ppm | 60.0 |
| Pantothenic Acid, ppm | 17.0 |
| Choline, ppm x100 | 18.0 |
| Folic Acid, ppm | 4.0 |
| Pyridoxine, ppm | 6.0 |
| Biotin, ppm | .13 |
| B-12, mcg/lb | 9.0 |
| Vitamin A, IU/gm | 17.6 |
| Vitamin D, IU/gm | 2.2 |
| Alpha-tocopherol, IU/lb | 30.0 |
| Ascorbic Acid, mg/gm | — |

## Feeding Directions

Feed ad libitum to rodents. Plenty of fresh, clean water should be available to the animals at all times.

**Rats** — Adult rats will eat 12 to 15 grams of diet per day. Feeders in rat cages should be designed to hold two to three days supply of feed at one time.

**Mice** — Adult mice will eat 4 to 5 grams of pelleted ration daily. Some of the larger strains may eat as much as 8 grams per day per animal. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

**Hamsters** — Adults will eat 10-14 grams per day.

**LabChows®**
*The Control Factor™*

*Based on latest ingredient analysis information. Since nutrient composition of natural ingredients varies, analysis will differ accordingly.

# TEI ANALYTICAL, INC.

460 SOUTH NORTHWEST HIGHWAY • PARK RIDGE, ILLINOIS • 60068 • 312/696-2070

## LABORATORY REPORT

October 29, 1982 #9166



Dr. Marianna Furedi
IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

P.O. #16092

Sample received
June 9, 1982

[TEI-14080] Rodent Chow #5002 - March 24-822G

| | Result in ppm | * Method |
|---|---|---|
| Nitrate Nitrogen | 19.0 | 7.030 |
| Nitrite Nitrogen | 0.24 | 7.030 |
| Mercury | < 0.05 | 25.103 |
| Arsenic | 0.014 | JAOAC 60.813 |
| Cadmium | < 0.05 | 25.020 |
| Lead | 0.61 | 25.058 |
| Penicillin | < 10 | Snell & Snell, Colorimetric Methods of Analysis Vol IVAAA, p. 221 |
| BHT | < 1.0 | JAOAC 60,505 |
| BHA | < 1.0 | JAOAC 60,505 |
| Total Estrogen | not detected | 39.000 |
| Chlortetracycline | to be reported at a later date | - |
| Aflatoxin $B_1$ | < 0.005 | 26.003 |
| Aflatoxin $B_2$ | 0.01 - 0.02 | 26.003 |
| Aflatoxin $G_1$ | < 0.005 | 26.003 |
| Aflatoxin $G_2$ | < 0.005 | 26.003 |
| Dieldrin | < 0.001 | 29.000 |
| Endrin | < 0.001 | 29.000 |
| Aldrin | < 0.001 | 29.000 |
| Heptachlor Epoxide | < 0.001 | 29.000 |
| BHC | < 0.001 | 29.000 |

g. e. Marks

TEI ANALYTICAL, INC.
460 SOUTH NORTHWEST HIGHWAY • PARK RIDGE, ILLINOIS • 60068 • 312/696 2070

# LABORATORY REPORT

October 29, 1982 #9166



Dr. Marianna Furedi
IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

P.O. #16092

Sample received
June 9, 1982

[TEI-14080] Rodent Chow #5002 - March 24-822G

| | Result in ppm | * Method |
|---|---|---|
| Lindane | < 0.001 | 29.000 |
| DDT Total | < 0.001 | 29.000 |
| Methoxychlor | < 0.001 | 29.000 |
| Chlordane | < 0.001 | 29.000 |
| Mirex | < 0.001 | 29.000 |
| Toxaphene | < 0.001 | 29.000 |
| Strobane | < 0.001 | 29.000 |
| HCB | < 0.001 | 29.000 |
| PCB | < 0.001 | 29.000 |
| Polychlorinated Dioxins | < 0.006 | 28.128 |
| Parathion | < 0.001 | 29.000 |
| Methyl Parathion | < 0.001 | 29.000 |
| Enthion | < 0.001 | 29.000 |
| Carbophenothion | < 0.001 | 29.000 |
| Malathion | < 0.001 | 29.000 |
| Ronnel | < 0.001 | 29.000 |
| Diazinon | < 0.001 | 29.000 |
| Disulfeton | < 0.001 | 29.000 |
| Phorate | < 0.001 | 29.000 |

*Official Methods of Analysis of the Association of Official Analytical Chemists.

# APPENDIX III

# TEI ANALYTICAL CHEMISTRY METHODS

ANALYTICAL PROCEDURES USED BY TEI ANALYTICAL, INC. PARK RIDGE, IL TO ANALYZE PURINA CERTIFIED RODENT CHOW NO. 5002 FOR IMPURITIES

| Procedure | Limit of Detectability | References |
|---|---|---|
| Chlorinated Pesticide Screen | 10 ppb | A.O.A.C. 29.000 |
| Phosphated Pesticide Screen | 50 ppb | A.O.A.C. 29.000 |
| Polychlorinated Biphenyls (PCBs) | 100 ppb | A.O.A.C. 29.000 |
| Hexa-, hepta-, octachlorodibenzo-p-dioxin | <100 ppb | A.O.A.C. 28.128 |
| Heavy Metals | | |
| Arsenic | 1.0 ppb | J.A.O.A.C. 60.813 |
| Cadium | 10 ppb | A.O.A.C. 25.026 |
| Lead | 10 ppb | A.O.A.C. 25.056 |
| Mercury | <1 ppb | A.O.A.C. 25.103 |
| Nitrates | <1.0 ppm | A.O.A.C. 7.030 |
| Nitrites | <1.0 ppm | A.O.A.C. 7.030 |
| Aflatoxins | 2.0 ppb | A.O.A.C. 26.003 |
| Penicillin | <2.0 ppm | Snell and Snell, Colorimetric Methods of Analysis Vol IV AAA, pg. 221 |
| Chlortetracycline | 10.0 ppm | Snell and Snell, Colorimetric Methods of Analysis Vol IV AAA, pg. 184 |
| Butylated hydroxytoluene | 1.0 ppm | J.A.O.A.C. 60.505 |
| Butylated hydroxyanisole | 1.0 ppm | J.A.O.A.C. 60.505 |
| Estrogens | -------- | A.O.A.C. 39.000 |

A.O.A.C. - Official methods of analysis of the Association of Official Analytical Chemists.

APPENDIX IV

HEMATOLOGY METHODOLOGY

### Hemoglobin

Cyanmethemoglobin method
    Coulter Counter Model S System

### Hematocrit

Indirect method; calculated value based on erythrocyte count and mean corpuscular volume
    Coulter Counter Model S System

### Erythrocyte Count

Electronic Counting Procedure
    Coulter Counter Model S System

### Mean Corpuscular Voluem (MCV)

Electronic Sizing Procedure
    Coulter Counter Model S System

### Mean Corpuscular Hemoglobin (MCH)

Indirect method; calculated value based on erythrocyte count and hemoglobin
    Coulter Counter Model S System

### Mean Corpuscular Hemoglobin Concentration (MCHC)

Indirect method; calculated value based on hematocrit and hemoglobin
    Coulter counter Model S System

### Leukocyte Count

Electronic Counting Procedure
    Coulter Counter Model S System

### Leukocyte Differential Count

Neutrophils - Immature
Neutrophils - Mature
Monocytes
Basophils
Lymphocytes
Eosinophils
Wright stain procedure
    Schalm, O.W., Jain, N.C. and Carroll, E.J. Veterinary Hematology, Color Plates Chapter, 3rd Edition, Lee and Febiger, 1975.

Nucleated RBCs

Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J. Veterinary Hematology, Color Plates Chapter, 3rd Edition, Lee and Febiger, 1975.

Platelet Count

Direct Method
Schalm, O.W., Jain, N.C. and Carroll, E.J. Veterinary Hematology, p. 69, 3rd Edition, Lee and Febiger, 1975.

Reticulocyte Count

New methylene blue staining procedure
Brecher, G. Am. J. Clin. Path. 19, 895, 1949.

Methemoglobin

Cyanomethemoglobin method
Evelyn, K.A. and Malloy, H.T. J. Biol. Chem. 126, 655, 1938.

APPENDIX V

CLINICAL CHEMISTRY METHODOLOGY

## Glucose

Hexokinase method
Centrifichem Centrifugal Analyzer System
Neeley, W.E. Clin. Chem. 18, 509, 1972.

## Urea Nitrogen (BUN)

Modified urease technique
Centrifichem Centrifugal Analyzer System
Karmen, A. J. Clin. Invest. 34, 131, 1955

## Glutamic-Pyruvic Transaminase (SGPT)

Modified Wroblewski and LaDue technique
Centrifichem Centrifugal Analyzer System
Henry, R.J., Chiamori, N., Golub, O.J., and Berkman, S. Am. J. Clin. Path. 34, 381,1960.

## Lactic Dehydrogenase (LDH)

Lactate pyruvate technique
Henry, R.J., Chiamori, N., Golub, O.J. and Berkman, S. Am. J. Clin. Path. 34, 381, 1960.

## Alkaline Phosphatase

Modified Bessey-Lowry technique
Neumann, H. and Van Vreedendaal, M. Clin. Chem. Acta. 17, 183, 1967.

## Chloride

Silver chloride precipitation method
Chloride Meter (Corning Medical Co.)
Catlove, E., Trantham, V. and Bowman, R.L. J. Lab. Clin. Med. 50, 58, 1958.

## Sodium

Flame photometry
Klina Flame Photometer (Beckman)

## Potassium

Flame photometry
Klina Flame Photometer (Beckman)

## Total Protein

Biuret technique
Centrifichem Centrifugal Analyzer system
Falling, I.F., Jr., Buckley, M.W. and Zak, B. Am. J. Clin. Path. 33, 83, 1960.

## Albumin

Bromocresol green method
Centrifichem Centrifugal Analyzer System
Rodkey, I.L. Clin. Chem. 11, 478, 1965.

## Triglycerides

Tetrazolium salt reduction method
Centrifichem Centrifugal Analyzer System
Klotzsch, S., Serricchio, M. and Furedi, R.
Advances in Automated Analysis
Vol. 1, Mediad Inc., Tarrytown, N.Y. P.111, 1973.

## Creatine Phosphokinase (CPK)

Modified Oliver method
Dentrifichem Centrifugal Analyzer System
Oliver, I.T. Biochem. J. 61, 116, 1955.

## Cholesterol

Cholesterol esterase-cholesterol oxidase method
Centrifichem Centrifugal Analyzer System
Roseschlaw, P., Bernt, E. and Gruber, W. Z.F
Lin. Che. u. Klin. Biochem. 12, 226, 1974.

## Calcium

Alizarin method
Centrifichem Centrifugal Analyzer System
Connerty, H.V. and Briggs, A.R. Clin. Chem.
11, 716, 1965.

## Bilirubin, Total

Modified Walters and Gerarde method
Centrifichem Centrifugal Analyzer System
Walters, M. and Gerarde, H. Microchem. J.
15, 231, 1970.

## Bilirubin, Direct

Modified Walters and Gerarde method
Centrifichem Centrifugal Analyzer System
Walters, M. and Gerarde, H. Microchem. J.
15, 231, 1970.

# APPENDIX VI

# INDIVIDUAL ANIMAL DATA

Table VI.1

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 1 | M | 03-11-82 | 1 | 002 | 1 | M | 03-09-83 | 1 | 003 | 1 | M | 03-09-83 | 1 |
| 004 | 1 | M | 09-11-81 | 1 | 005 | 1 | M | 03-09-83 | 1 | 006 | 1 | M | 09-10-81 | 1 |
| 007 | 1 | M | 01-10-83 | 0 | 008 | 1 | M | 03-09-83 | 1 | 009 | 1 | M | 03-04-83 | 0 |
| 010 | 1 | M | 03-09-83 | 1 | 011 | 1 | M | 03-12-82 | 1 | 012 | 1 | M | 03-11-82 | 1 |
| 013 | 1 | M | 09-10-81 | 1 | 014 | 1 | M | 01-12-83 | 0 | 015 | 1 | M | 03-09-83 | 1 |
| 016 | 1 | M | 03-09-83 | 1 | 017 | 1 | M | 09-09-81 | 1 | 018 | 1 | M | 03-11-82 | 1 |
| 019 | 1 | M | 12-02-81 | 0 | 020 | 1 | M | 03-12-82 | 1 | 021 | 1 | M | 03-09-83 | 1 |
| 022 | 1 | M | 09-09-81 | 1 | 023 | 1 | M | 03-09-83 | 1 | 024 | 1 | M | 03-09-83 | 1 |
| 025 | 1 | M | 03-09-83 | 1 | 026 | 1 | M | 03-09-83 | 1 | 027 | 1 | M | 03-10-82 | 1 |
| 028 | 1 | M | 12-10-82 | 0 | 029 | 1 | M | 02-14-83 | 0 | 030 | 1 | M | 03-09-83 | 1 |
| 031 | 1 | M | 12-20-82 | 0 | 032 | 1 | M | 10-11-82 | 0 | 033 | 1 | M | 03-09-83 | 1 |
| 034 | 1 | M | 12-21-82 | 0 | 035 | 1 | M | 03-09-83 | 1 | 036 | 1 | M | 03-09-83 | 1 |
| 037 | 1 | M | 03-09-83 | 1 | 038 | 1 | M | 12-10-82 | 0 | 039 | 1 | M | 03-10-82 | 1 |
| 040 | 1 | M | 03-09-83 | 1 | 041 | 1 | M | 03-09-83 | 1 | 042 | 1 | M | 03-09-83 | 1 |
| 043 | 1 | M | 03-07-83 | 0 | 044 | 1 | M | 03-09-83 | 1 | 045 | 1 | M | 03-10-82 | 1 |
| 046 | 1 | M | 09-09-81 | 1 | 047 | 1 | M | 09-11-81 | 1 | 048 | 1 | M | 03-09-83 | 1 |
| 049 | 1 | M | 03-09-83 | 1 | 050 | 1 | M | 03-12-82 | 1 | 051 | 1 | M | 03-09-83 | 1 |
| 052 | 1 | M | 03-09-83 | 1 | 053 | 1 | M | 02-17-83 | 0 | 054 | 1 | M | 10-29-82 | 0 |
| 055 | 1 | M | 03-09-83 | 1 | 056 | 1 | M | 03-09-83 | 1 | 057 | 1 | M | 02-03-83 | 0 |
| 058 | 1 | M | 01-20-83 | 0 | 059 | 1 | M | 10-03-82 | 0 | 060 | 1 | M | 09-10-81 | 1 |
| 061 | 1 | M | 03-09-83 | 1 | 062 | 1 | M | 03-09-83 | 1 | 063 | 1 | M | 12-27-82 | 0 |
| 064 | 1 | M | 11-12-82 | 0 | 065 | 1 | M | 03-09-83 | 1 | 066 | 1 | M | 03-09-83 | 1 |
| 067 | 1 | M | 03-12-82 | 1 | 068 | 1 | M | 09-11-81 | 1 | 069 | 1 | M | 01-20-83 | 0 |
| 070 | 1 | M | 09-11-81 | 1 | 071 | 1 | M | 01-25-83 | 0 | 072 | 1 | M | 02-09-83 | 0 |
| 073 | 1 | M | 03-09-83 | 1 | 074 | 1 | M | 01-24-83 | 0 | 075 | 1 | M | 03-09-83 | 1 |
| 076 | 1 | F | 03-09-83 | 1 | 077 | 1 | F | 03-09-83 | 1 | 078 | 1 | F | 03-12-82 | 1 |
| 079 | 1 | F | 11-23-82 | 0 | 080 | 1 | F | 03-07-83 | 0 | 081 | 1 | F | 03-09-83 | 1 |
| 082 | 1 | F | 03-09-83 | 1 | 083 | 1 | F | 03-09-83 | 1 | 084 | 1 | F | 03-09-83 | 1 |
| 085 | 1 | F | 03-09-83 | 1 | 086 | 1 | F | 03-10-82 | 1 | 087 | 1 | F | 03-12-82 | 1 |
| 088 | 1 | F | 02-09-83 | 0 | 089 | 1 | F | 09-09-81 | 1 | 090 | 1 | F | 09-09-81 | 1 |
| 091 | 1 | F | 03-09-83 | 1 | 092 | 1 | F | 03-09-83 | 1 | 093 | 1 | F | 03-09-83 | 1 |
| 094 | 1 | F | 03-09-83 | 1 | 095 | 1 | F | 03-12-82 | 1 | 096 | 1 | F | 03-09-83 | 1 |
| 097 | 1 | F | 08-20-82 | 0 | 098 | 1 | F | 09-11-81 | 1 | 099 | 1 | F | 03-09-83 | 1 |
| 100 | 1 | F | 12-05-82 | 0 | 101 | 1 | F | 09-10-81 | 1 | 102 | 1 | F | 03-09-83 | 1 |
| 103 | 1 | F | 03-02-83 | 0 | 104 | 1 | F | 03-09-83 | 1 | 105 | 1 | F | 03-10-82 | 1 |
| 106 | 1 | F | 12-18-82 | 0 | 107 | 1 | F | 03-09-83 | 1 | 108 | 1 | F | 08-18-82 | 0 |
| 109 | 1 | F | 01-16-83 | 0 | 110 | 1 | F | 02-28-83 | 0 | 111 | 1 | F | 09-11-81 | 1 |
| 112 | 1 | F | 03-09-83 | 1 | 113 | 1 | F | 03-09-83 | 1 | 114 | 1 | F | 03-09-83 | 1 |
| 115 | 1 | F | 03-12-82 | 1 | 116 | 1 | F | 03-09-83 | 1 | 117 | 1 | F | 03-09-83 | 1 |
| 118 | 1 | F | 02-16-83 | 0 | 119 | 1 | F | 09-03-81 | 0 | 120 | 1 | F | 03-09-83 | 1 |
| 121 | 1 | F | 03-09-83 | 1 | 122 | 1 | F | 03-09-83 | 1 | 123 | 1 | F | 03-09-83 | 1 |
| 124 | 1 | F | 03-11-82 | 1 | 125 | 1 | F | 03-09-83 | 1 | 126 | 1 | F | 03-09-83 | 1 |

EVENT CODE IS. 0=DIED 1=SCHEDULED SACRIFICED

## Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 127 | 1 | F | 03-09-83 | 1 | 128 | 1 | F | 03-09-83 | 1 | 129 | 1 | F | 03-09-83 | 1 |
| 130 | 1 | F | 03-10-82 | 1 | 131 | 1 | F | 03-09-83 | 1 | 132 | 1 | F | 03-03-83 | 0 |
| 133 | 1 | F | 09-11-81 | 1 | 134 | 1 | F | 02-22-83 | 0 | 135 | 1 | F | 03-09-83 | 1 |
| 136 | 1 | F | 09-09-81 | 1 | 137 | 1 | F | 02-01-83 | 0 | 138 | 1 | F | 09-11-81 | 1 |
| 139 | 1 | F | 01-27-83 | 0 | 140 | 1 | F | 03-09-83 | 1 | 141 | 1 | F | 03-11-82 | 1 |
| 142 | 1 | F | 09-23-82 | 0 | 143 | 1 | F | 03-11-82 | 1 | 144 | 1 | F | 03-09-83 | 1 |
| 145 | 1 | F | 09-10-81 | 1 | 146 | 1 | F | 03-09-83 | 1 | 147 | 1 | F | 03-01-83 | 0 |
| 148 | 1 | F | 09-10-81 | 1 | 149 | 1 | F | 03-09-83 | 1 | 150 | 1 | F | 03-09-83 | 1 |
| 151 | 2 | M | 03-09-83 | 1 | 152 | 2 | M | 03-10-82 | 1 | 153 | 2 | M | 03-09-83 | 1 |
| 154 | 2 | M | 10-31-82 | 0 | 155 | 2 | M | 03-09-83 | 1 | 156 | 2 | M | 09-08-82 | 0 |
| 157 | 2 | M | 03-09-83 | 1 | 158 | 2 | M | 03-09-83 | 1 | 159 | 2 | M | 09-10-81 | 1 |
| 160 | 2 | M | 01-21-83 | 0 | 161 | 2 | M | 12-16-82 | 0 | 162 | 2 | M | 03-09-83 | 1 |
| 163 | 2 | M | 03-09-83 | 1 | 164 | 2 | M | 01-06-83 | 0 | 165 | 2 | M | 09-10-81 | 1 |
| 166 | 2 | M | 03-09-83 | 1 | 167 | 2 | M | 09-11-81 | 1 | 168 | 2 | M | 02-24-83 | 0 |
| 169 | 2 | M | 01-17-83 | 0 | 170 | 2 | M | 03-09-83 | 1 | 171 | 2 | M | 03-09-83 | 1 |
| 172 | 2 | M | 03-11-82 | 1 | 173 | 2 | M | 03-07-83 | 0 | 174 | 2 | M | 03-09-83 | 1 |
| 175 | 2 | M | 03-09-83 | 1 | 176 | 2 | M | 09-09-81 | 1 | 177 | 2 | M | 03-09-83 | 1 |
| 178 | 2 | M | 03-03-83 | 0 | 179 | 2 | M | 03-09-83 | 1 | 180 | 2 | M | 03-12-82 | 1 |
| 181 | 2 | M | 11-24-82 | 0 | 182 | 2 | M | 03-09-83 | 1 | 183 | 2 | M | 06-28-82 | 0 |
| 184 | 2 | M | 02-12-82 | 0 | 185 | 2 | M | 03-09-83 | 1 | 186 | 2 | M | 03-09-83 | 1 |
| 187 | 2 | M | 03-10-82 | 1 | 188 | 2 | M | 12-15-82 | 0 | 189 | 2 | M | 10-21-82 | 0 |
| 190 | 2 | M | 03-09-83 | 1 | 191 | 2 | M | 03-11-82 | 1 | 192 | 2 | M | 09-09-81 | 1 |
| 193 | 2 | M | 09-29-82 | 0 | 194 | 2 | M | 03-10-82 | 1 | 195 | 2 | M | 03-09-83 | 1 |
| 196 | 2 | M | 03-03-83 | 0 | 197 | 2 | M | 03-09-83 | 1 | 198 | 2 | M | 03-09-83 | 1 |
| 199 | 2 | M | 03-09-83 | 1 | 200 | 2 | M | 09-09-81 | 1 | 201 | 2 | M | 10-25-82 | 0 |
| 202 | 2 | M | 03-09-83 | 1 | 203 | 2 | M | 03-12-82 | 1 | 204 | 2 | M | 03-11-82 | 1 |
| 205 | 2 | M | 09-09-81 | 1 | 206 | 2 | M | 09-20-82 | 0 | 207 | 2 | M | 01-19-83 | 0 |
| 208 | 2 | M | 03-09-83 | 1 | 209 | 2 | M | 03-10-82 | 1 | 210 | 2 | M | 09-11-81 | 1 |
| 211 | 2 | M | 10-26-82 | 0 | 212 | 2 | M | 03-01-83 | 0 | 213 | 2 | M | 09-01-82 | 0 |
| 214 | 2 | M | 03-12-82 | 1 | 215 | 2 | M | 03-09-83 | 1 | 216 | 2 | M | 03-05-83 | 0 |
| 217 | 2 | M | 03-09-83 | 1 | 218 | 2 | M | 09-11-81 | 1 | 219 | 2 | M | 03-09-83 | 1 |
| 220 | 2 | M | 09-10-81 | 1 | 221 | 2 | M | 03-09-83 | 1 | 222 | 2 | M | 10-29-82 | 0 |
| 223 | 2 | M | 03-09-83 | 1 | 224 | 2 | M | 12-26-82 | 0 | 225 | 2 | M | 07-18-82 | 0 |
| 226 | 2 | F | 06-18-82 | 0 | 227 | 2 | F | 03-09-83 | 1 | 228 | 2 | F | 12-21-82 | 0 |
| 229 | 2 | F | 03-09-83 | 1 | 230 | 2 | F | 01-16-83 | 0 | 231 | 2 | F | 11-18-82 | 0 |
| 232 | 2 | F | 03-09-83 | 1 | 233 | 2 | F | 03-09-83 | 1 | 234 | 2 | F | 03-09-83 | 1 |
| 235 | 2 | F | 03-09-83 | 1 | 236 | 2 | F | 03-09-83 | 1 | 237 | 2 | F | 03-09-83 | 1 |
| 238 | 2 | F | 03-09-83 | 1 | 239 | 2 | F | 03-10-82 | 1 | 240 | 2 | F | 03-09-83 | 1 |
| 241 | 2 | F | 03-09-83 | 1 | 242 | 2 | F | 09-10-81 | 1 | 243 | 2 | F | 09-03-82 | 0 |
| 244 | 2 | F | 03-10-82 | 1 | 245 | 2 | F | 03-09-83 | 1 | 246 | 2 | F | 03-12-82 | 1 |
| 247 | 2 | F | 03-09-83 | 1 | 248 | 2 | F | 02-02-83 | 0 | 249 | 2 | F | 03-09-83 | 1 |
| 250 | 2 | F | 01-28-83 | 0 | 251 | 2 | F | 03-09-83 | 1 | 252 | 2 | F | 03-09-83 | 1 |

EVENT CODE IS    0=DIED    1=SCHEDULED SACRIFICED

# Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 2 | F | 03-09-83 | 1 | 254 | 2 | F | 03-09-83 | 1 | 255 | 2 | F | 09-09-81 | 1 |
| 256 | 2 | F | 03-09-83 | 1 | 257 | 2 | F | 03-11-82 | 1 | 258 | 2 | F | 12-01-82 | 0 |
| 259 | 2 | F | 03-09-83 | 1 | 260 | 2 | F | 03-09-83 | 1 | 261 | 2 | F | 03-09-83 | 1 |
| 262 | 2 | F | 03-11-82 | 1 | 263 | 2 | F | 03-09-83 | 1 | 264 | 2 | F | 08-12-82 | 0 |
| 265 | 2 | F | 03-09-83 | 1 | 266 | 2 | F | 03-09-83 | 1 | 267 | 2 | F | 09-09-81 | 1 |
| 268 | 2 | F | 09-11-81 | 1 | 269 | 2 | F | 03-09-83 | 1 | 270 | 2 | F | 01-18-81 | 0 |
| 271 | 2 | F | 09-10-81 | 1 | 272 | 2 | F | 03-09-83 | 1 | 273 | 2 | F | 03-12-82 | 1 |
| 274 | 2 | F | 03-09-83 | 1 | 275 | 2 | F | 09-10-81 | 1 | 276 | 2 | F | 03-09-83 | 1 |
| 277 | 2 | F | 03-12-82 | 1 | 278 | 2 | F | 03-09-83 | 1 | 279 | 2 | F | 03-12-82 | 1 |
| 280 | 2 | F | 09-09-81 | 1 | 281 | 2 | F | 11-03-82 | 0 | 282 | 2 | F | 03-10-82 | 1 |
| 283 | 2 | F | 03-09-83 | 1 | 284 | 2 | F | 03-09-83 | 1 | 285 | 2 | F | 03-09-83 | 1 |
| 286 | 2 | F | 01-19-83 | 0 | 287 | 2 | F | 09-11-81 | 1 | 288 | 2 | F | 03-09-83 | 1 |
| 289 | 2 | F | 01-01-83 | 0 | 290 | 2 | F | 03-09-83 | 1 | 291 | 2 | F | 03-09-83 | 1 |
| 292 | 2 | F | 03-09-83 | 1 | 293 | 2 | F | 03-09-83 | 1 | 294 | 2 | F | 02-19-83 | 0 |
| 295 | 2 | F | 03-09-83 | 1 | 296 | 2 | F | 03-09-83 | 1 | 297 | 2 | F | 09-11-81 | 1 |
| 298 | 2 | F | 09-11-81 | 1 | 299 | 2 | F | 07-14-81 | 0 | 300 | 2 | F | 03-11-82 | 1 |
| 301 | 3 | M | 03-09-83 | 1 | 302 | 3 | M | 09-10-81 | 1 | 303 | 3 | M | 09-10-81 | 1 |
| 304 | 3 | M | 03-01-83 | 0 | 305 | 3 | M | 01-21-82 | 0 | 306 | 3 | M | 03-09-83 | 1 |
| 307 | 3 | M | 03-09-83 | 1 | 308 | 3 | M | 03-09-83 | 1 | 309 | 3 | M | 11-05-82 | 0 |
| 310 | 3 | M | 09-11-81 | 1 | 311 | 3 | M | 01-19-83 | 0 | 312 | 3 | M | 09-09-81 | 1 |
| 313 | 3 | M | 03-09-83 | 1 | 314 | 3 | M | 02-12-83 | 0 | 315 | 3 | M | 03-09-83 | 1 |
| 316 | 3 | M | 03-11-82 | 1 | 317 | 3 | M | 11-08-82 | 0 | 318 | 3 | M | 03-09-83 | 1 |
| 319 | 3 | M | 03-09-83 | 1 | 320 | 3 | M | 03-10-82 | 1 | 321 | 3 | M | 03-09-83 | 1 |
| 322 | 3 | M | 03-11-82 | 1 | 323 | 3 | M | 03-03-83 | 0 | 324 | 3 | M | 09-11-81 | 1 |
| 325 | 3 | M | 12-11-82 | 0 | 326 | 3 | M | 02-10-83 | 0 | 327 | 3 | M | 09-11-81 | 1 |
| 328 | 3 | M | 03-09-83 | 1 | 329 | 3 | M | 02-27-83 | 0 | 330 | 3 | M | 12-31-82 | 0 |
| 331 | 3 | M | 12-09-82 | 0 | 332 | 3 | M | 03-10-82 | 1 | 333 | 3 | M | 08-18-82 | 0 |
| 334 | 3 | M | 10-08-82 | 0 | 335 | 3 | M | 03-10-82 | 1 | 336 | 3 | M | 03-09-83 | 1 |
| 337 | 3 | M | 06-03-82 | 0 | 338 | 3 | M | 03-11-82 | 1 | 339 | 3 | M | 03-12-82 | 1 |
| 340 | 3 | M | 03-09-83 | 1 | 341 | 3 | M | 03-09-83 | 1 | 342 | 3 | M | 03-09-83 | 1 |
| 343 | 3 | M | 11-01-82 | 0 | 344 | 3 | M | 03-12-82 | 1 | 345 | 3 | M | 03-07-83 | 0 |
| 346 | 3 | M | 09-09-81 | 1 | 347 | 3 | M | 03-09-83 | 1 | 348 | 3 | M | 03-12-82 | 1 |
| 349 | 3 | M | 01-26-83 | 0 | 350 | 3 | M | 12-07-82 | 0 | 351 | 3 | M | 09-10-82 | 0 |
| 352 | 3 | M | 09-10-81 | 1 | 353 | 3 | M | 09-15-82 | 0 | 354 | 3 | M | 03-09-83 | 1 |
| 355 | 3 | M | 03-09-83 | 1 | 356 | 3 | M | 03-09-83 | 1 | 357 | 3 | M | 03-09-83 | 1 |
| 358 | 3 | M | 03-11-82 | 1 | 359 | 3 | M | 03-09-83 | 1 | 360 | 3 | M | 03-09-83 | 1 |
| 361 | 3 | M | 01-10-83 | 0 | 362 | 3 | M | 12-02-82 | 0 | 363 | 3 | M | 10-28-82 | 0 |
| 364 | 3 | M | 03-09-83 | 1 | 365 | 3 | M | 03-09-83 | 1 | 366 | 3 | M | 09-09-81 | 1 |
| 367 | 3 | M | 11-08-82 | 0 | 368 | 3 | M | 03-09-83 | 1 | 369 | 3 | M | 02-10-83 | 0 |
| 370 | 3 | M | 03-09-83 | 1 | 371 | 3 | M | 12-06-82 | 0 | 372 | 3 | M | 09-09-82 | 0 |
| 373 | 3 | M | 12-04-82 | 0 | 374 | 3 | M | 09-10-81 | 1 | 375 | 3 | M | 03-09-83 | 1 |
| 376 | 3 | F | 03-09-83 | 1 | 377 | 3 | F | 09-11-81 | 1 | 378 | 3 | F | 09-10-81 | 1 |

EVENT CODE IS 0-DIED 1-SCHEDULED SACRIFICED

Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 379 | 3 | F | 03-09-83 | 1 | 380 | 3 | F | 03-09-83 | 1 | 381 | 3 | F | 03-09-83 | 1 |
| 382 | 3 | F | 03-09-83 | 1 | 383 | 3 | F | 09-11-81 | 1 | 384 | 3 | F | 03-09-83 | 1 |
| 385 | 3 | F | 03-09-83 | 1 | 386 | 3 | F | 09-09-81 | 1 | 387 | 3 | F | 01-18-83 | 0 |
| 388 | 3 | F | 03-09-83 | 1 | 389 | 3 | F | 03-09-83 | 1 | 390 | 3 | F | 03-09-83 | 1 |
| 391 | 3 | F | 03-09-83 | 1 | 392 | 3 | F | 03-09-83 | 1 | 393 | 3 | F | 08-19-82 | 0 |
| 394 | 3 | F | 09-11-81 | 1 | 395 | 3 | F | 11-08-82 | 0 | 396 | 3 | F | 03-10-82 | 1 |
| 397 | 3 | F | 11-01-82 | 0 | 398 | 3 | F | 03-09-83 | 1 | 399 | 3 | F | 01-06-83 | 0 |
| 400 | 3 | F | 03-09-83 | 1 | 401 | 3 | F | 03-09-83 | 1 | 402 | 3 | F | 03-09-83 | 1 |
| 403 | 3 | F | 03-09-83 | 1 | 404 | 3 | F | 01-21-83 | 0 | 405 | 3 | F | 03-09-83 | 1 |
| 406 | 3 | F | 03-10-82 | 1 | 407 | 3 | F | 03-09-83 | 1 | 408 | 3 | F | 03-11-82 | 1 |
| 409 | 3 | F | 03-09-83 | 1 | 410 | 3 | F | 03-09-83 | 1 | 411 | 3 | F | 01-23-83 | 0 |
| 412 | 3 | F | 07-25-82 | 0 | 413 | 3 | F | 03-09-83 | 1 | 414 | 3 | F | 03-10-82 | 1 |
| 415 | 3 | F | 03-12-82 | 1 | 416 | 3 | F | 03-09-83 | 1 | 417 | 3 | F | 12-21-82 | 0 |
| 418 | 3 | F | 03-09-83 | 1 | 419 | 3 | F | 03-09-83 | 1 | 420 | 3 | F | 09-09-81 | 1 |
| 421 | 3 | F | 03-09-83 | 1 | 422 | 3 | F | 03-09-83 | 1 | 423 | 3 | F | 03-09-83 | 1 |
| 424 | 3 | F | 03-09-83 | 1 | 425 | 3 | F | 03-12-82 | 1 | 426 | 3 | F | 03-09-83 | 1 |
| 427 | 3 | F | 03-09-83 | 1 | 428 | 3 | F | 09-09-81 | 1 | 429 | 3 | F | 03-12-82 | 1 |
| 430 | 3 | F | 03-09-83 | 1 | 431 | 3 | F | 03-09-83 | 1 | 432 | 3 | F | 03-09-83 | 1 |
| 433 | 3 | F | 09-09-81 | 1 | 434 | 3 | F | 03-11-82 | 1 | 435 | 3 | F | 12-29-82 | 0 |
| 436 | 3 | F | 03-09-83 | 1 | 437 | 3 | F | 02-21-83 | 0 | 438 | 3 | F | 11-12-82 | 0 |
| 439 | 3 | F | 03-01-83 | 0 | 440 | 3 | F | 03-09-83 | 1 | 441 | 3 | F | 03-09-83 | 1 |
| 442 | 3 | F | 03-11-82 | 1 | 443 | 3 | F | 03-09-83 | 1 | 444 | 3 | F | 09-10-81 | 1 |
| 445 | 3 | F | 03-09-83 | 1 | 446 | 3 | F | 03-09-83 | 1 | 447 | 3 | F | 03-09-83 | 1 |
| 448 | 3 | F | 09-10-81 | 1 | 449 | 3 | F | 01-05-83 | 0 | 450 | 3 | F | 03-10-82 | 1 |
| 451 | 4 | M | 03-09-83 | 1 | 452 | 4 | M | 03-09-83 | 1 | 453 | 4 | M | 03-09-83 | 1 |
| 454 | 4 | M | 03-09-83 | 1 | 455 | 4 | M | 09-11-81 | 1 | 456 | 4 | M | 03-11-82 | 1 |
| 457 | 4 | M | 10-13-82 | 0 | 458 | 4 | M | 03-10-82 | 1 | 459 | 4 | M | 03-09-83 | 1 |
| 460 | 4 | M | 11-29-82 | 0 | 461 | 4 | M | 03-01-83 | 0 | 462 | 4 | M | 03-07-83 | 0 |
| 463 | 4 | M | 03-11-82 | 1 | 464 | 4 | M | 09-09-81 | 1 | 465 | 4 | M | 01-14-83 | 0 |
| 466 | 4 | M | 12-26-82 | 0 | 467 | 4 | M | 03-09-83 | 1 | 468 | 4 | M | 01-29-83 | 0 |
| 469 | 4 | M | 02-23-83 | 0 | 470 | 4 | M | 03-12-82 | 1 | 471 | 4 | M | 09-18-82 | 0 |
| 472 | 4 | M | 09-11-81 | 1 | 473 | 4 | M | 10-05-82 | 0 | 474 | 4 | M | 03-09-83 | 1 |
| 475 | 4 | M | 03-09-83 | 1 | 476 | 4 | M | 03-12-82 | 1 | 477 | 4 | M | 03-09-83 | 1 |
| 478 | 4 | M | 03-09-83 | 1 | 479 | 4 | M | 01-31-83 | 0 | 480 | 4 | M | 02-18-83 | 0 |
| 481 | 4 | M | 11-24-82 | 0 | 482 | 4 | M | 12-22-82 | 0 | 483 | 4 | M | 09-09-81 | 1 |
| 484 | 4 | M | 03-09-83 | 1 | 485 | 4 | M | 03-11-82 | 1 | 486 | 4 | M | 03-10-82 | 1 |
| 487 | 4 | M | 03-09-83 | 1 | 488 | 4 | M | 03-09-83 | 1 | 489 | 4 | M | 03-09-83 | 1 |
| 490 | 4 | M | 09-10-81 | 1 | 491 | 4 | M | 02-07-83 | 0 | 492 | 4 | M | 03-18-82 | 0 |
| 493 | 4 | M | 03-09-83 | 1 | 494 | 4 | M | 03-09-83 | 1 | 495 | 4 | M | 01-03-83 | 0 |
| 496 | 4 | M | 09-10-81 | 1 | 497 | 4 | M | 03-10-82 | 1 | 498 | 4 | M | 03-09-83 | 1 |
| 499 | 4 | M | 03-09-83 | 1 | 500 | 4 | M | 05-31-82 | 0 | 501 | 4 | M | 03-05-83 | 0 |
| 502 | 4 | M | 03-09-83 | 1 | 503 | 4 | M | 02-09-83 | 0 | 504 | 4 | M | 03-09-83 | 1 |

EVENT CODE IS 0-DIED 1-SCHEDULED SACRIFICED

Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 505 | 4 | M | 02-03-83 | 0 | 506 | 4 | M | 12-07-82 | 0 | 507 | 4 | M | 03-09-83 | 1 |
| 508 | 4 | M | 03-12-82 | 1 | 509 | 4 | M | 09-10-81 | 1 | 510 | 4 | M | 03-09-83 | 1 |
| 511 | 4 | M | 09-09-82 | 0 | 512 | 4 | M | 03-09-83 | 1 | 513 | 4 | M | 09-09-81 | 1 |
| 514 | 4 | M | 03-09-83 | 1 | 515 | 4 | M | 09-09-81 | 1 | 516 | 4 | M | 09-11-81 | 1 |
| 517 | 4 | M | 03-10-82 | 1 | 518 | 4 | M | 03-09-83 | 1 | 519 | 4 | M | 03-09-83 | 1 |
| 520 | 4 | M | 03-09-83 | 1 | 521 | 4 | M | 03-09-83 | 1 | 522 | 4 | M | 12-21-82 | 0 |
| 523 | 4 | M | 03-09-83 | 1 | 524 | 4 | M | 03-09-83 | 1 | 525 | 4 | M | 03-09-83 | 1 |
| 526 | 4 | F | 12-17-82 | 0 | 527 | 4 | F | 03-12-82 | 1 | 528 | 4 | F | 03-09-83 | 1 |
| 529 | 4 | F | 03-11-82 | 1 | 530 | 4 | F | 03-09-83 | 1 | 531 | 4 | F | 03-10-82 | 1 |
| 532 | 4 | F | 03-09-83 | 1 | 533 | 4 | F | 03-09-83 | 1 | 534 | 4 | F | 01-08-83 | 0 |
| 535 | 4 | F | 03-09-83 | 1 | 536 | 4 | F | 09-10-81 | 1 | 537 | 4 | F | 03-09-83 | 1 |
| 538 | 4 | F | 03-11-82 | 1 | 539 | 4 | F | 03-09-83 | 1 | 540 | 4 | F | 03-09-83 | 1 |
| 541 | 4 | F | 03-09-83 | 1 | 542 | 4 | F | 03-12-82 | 1 | 543 | 4 | F | 09-11-81 | 1 |
| 544 | 4 | F | 09-11-81 | 1 | 545 | 4 | F | 03-09-83 | 1 | 546 | 4 | F | 03-09-83 | 1 |
| 547 | 4 | F | 03-09-83 | 1 | 548 | 4 | F | 09-10-81 | 1 | 549 | 4 | F | 03-09-83 | 1 |
| 550 | 4 | F | 03-09-83 | 1 | 551 | 4 | F | 12-09-82 | 0 | 552 | 4 | F | 09-10-81 | 1 |
| 553 | 4 | F | 03-09-83 | 1 | 554 | 4 | F | 03-09-83 | 1 | 555 | 4 | F | 03-11-82 | 1 |
| 556 | 4 | F | 03-09-83 | 1 | 557 | 4 | F | 03-12-82 | 1 | 558 | 4 | F | 03-09-83 | 1 |
| 559 | 4 | F | 03-09-83 | 1 | 560 | 4 | F | 03-12-82 | 1 | 561 | 4 | F | 09-11-81 | 1 |
| 562 | 4 | F | 03-09-83 | 1 | 563 | 4 | F | 03-09-83 | 1 | 564 | 4 | F | 03-09-83 | 1 |
| 565 | 4 | F | 03-09-83 | 1 | 566 | 4 | F | 03-10-82 | 1 | 567 | 4 | F | 03-10-82 | 1 |
| 568 | 4 | F | 03-09-83 | 1 | 569 | 4 | F | 03-09-83 | 1 | 570 | 4 | F | 09-09-81 | 1 |
| 571 | 4 | F | 03-09-83 | 1 | 572 | 4 | F | 03-09-83 | 1 | 573 | 4 | F | 03-09-83 | 1 |
| 574 | 4 | F | 03-09-83 | 1 | 575 | 4 | F | 03-09-83 | 1 | 576 | 4 | F | 03-09-83 | 1 |
| 577 | 4 | F | 03-09-83 | 1 | 578 | 4 | F | 03-09-83 | 1 | 579 | 4 | F | 03-09-83 | 1 |
| 580 | 4 | F | 02-08-83 | 0 | 581 | 4 | F | 03-06-83 | 0 | 582 | 4 | F | 02-11-83 | 0 |
| 583 | 4 | F | 09-24-82 | 0 | 584 | 4 | F | 03-09-83 | 1 | 585 | 4 | F | 09-09-81 | 1 |
| 586 | 4 | F | 03-09-83 | 1 | 587 | 4 | F | 03-09-83 | 1 | 588 | 4 | F | 09-11-81 | 1 |
| 589 | 4 | F | 03-09-83 | 1 | 590 | 4 | F | 03-09-83 | 1 | 591 | 4 | F | 03-09-83 | 1 |
| 592 | 4 | F | 03-09-83 | 1 | 593 | 4 | F | 03-09-83 | 1 | 594 | 4 | F | 03-09-83 | 1 |
| 595 | 4 | F | 02-22-83 | 0 | 596 | 4 | F | 03-09-83 | 1 | 597 | 4 | F | 03-09-83 | 1 |
| 598 | 4 | F | 03-09-83 | 1 | 599 | 4 | F | 09-09-81 | 1 | 600 | 4 | F | 03-09-83 | 1 |
| 601 | 5 | M | 03-09-83 | 1 | 602 | 5 | M | 03-09-83 | 1 | 603 | 5 | M | 03-10-82 | 1 |
| 604 | 5 | M | 03-09-83 | 1 | 605 | 5 | M | 03-11-82 | 1 | 606 | 5 | M | 03-12-82 | 1 |
| 607 | 5 | M | 03-10-82 | 1 | 608 | 5 | M | 03-09-83 | 1 | 609 | 5 | M | 03-09-83 | 1 |
| 610 | 5 | M | 03-09-83 | 1 | 611 | 5 | M | 03-09-83 | 1 | 612 | 5 | M | 03-09-83 | 1 |
| 613 | 5 | M | 03-09-83 | 1 | 614 | 5 | M | 03-10-82 | 1 | 615 | 5 | M | 03-09-83 | 1 |
| 616 | 5 | M | 03-09-83 | 1 | 617 | 5 | M | 03-09-83 | 1 | 618 | 5 | M | 03-09-83 | 1 |
| 619 | 5 | M | 03-12-82 | 1 | 620 | 5 | M | 03-09-83 | 1 | 621 | 5 | M | 03-09-83 | 1 |
| 622 | 5 | M | 03-07-83 | 0 | 623 | 5 | M | 03-09-83 | 1 | 624 | 5 | M | 03-09-83 | 1 |
| 625 | 5 | M | 09-09-81 | 1 | 626 | 5 | M | 03-09-83 | 1 | 627 | 5 | M | 01-21-83 | 0 |
| 628 | 5 | M | 08-06-82 | 0 | 629 | 5 | M | 03-09-83 | 1 | 630 | 5 | M | 09-11-81 | 1 |

EVENT CODE IS 0 DIED 1 SCHEDULED SACRIFICED

Table VI.1 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
SURVIVAL RATE DATA

| ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT | ANIMAL NO | TR GROUP | SEX | DATE | EVENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 631 | 5 | M | 02-06-83 | 0 | 632 | 5 | M | 03-09-83 | 1 | 633 | 5 | M | 06-04-82 | 0 |
| 634 | 5 | M | 03-11-82 | 1 | 635 | 5 | M | 03-09-83 | 1 | 636 | 5 | M | 12-03-82 | 0 |
| 637 | 5 | M | 03-09-83 | 1 | 638 | 5 | M | 03-09-83 | 1 | 639 | 5 | M | 03-09-83 | 1 |
| 640 | 5 | M | 03-09-83 | 1 | 641 | 5 | M | 09-10-81 | 1 | 642 | 5 | M | 03-09-83 | 1 |
| 643 | 5 | M | 09-11-81 | 1 | 644 | 5 | M | 03-04-83 | 0 | 645 | 5 | M | 03-09-83 | 1 |
| 646 | 5 | M | 03-09-83 | 1 | 647 | 5 | M | 03-09-83 | 1 | 648 | 5 | M | 03-09-83 | 1 |
| 649 | 5 | M | 11-12-82 | 0 | 650 | 5 | M | 01-03-83 | 0 | 651 | 5 | M | 03-09-83 | 1 |
| 652 | 5 | M | 03-09-83 | 1 | 653 | 5 | M | 03-09-83 | 1 | 654 | 5 | M | 01-30-83 | 0 |
| 655 | 5 | M | 02-21-83 | 0 | 656 | 5 | M | 03-09-83 | 1 | 657 | 5 | M | 09-09-81 | 1 |
| 658 | 5 | M | 09-11-81 | 1 | 659 | 5 | M | 03-09-83 | 1 | 660 | 5 | M | 03-11-82 | 1 |
| 661 | 5 | M | 03-09-83 | 1 | 662 | 5 | M | 03-09-83 | 1 | 663 | 5 | M | 09-10-81 | 1 |
| 664 | 5 | M | 09-09-81 | 1 | 665 | 5 | M | 03-09-83 | 1 | 666 | 5 | M | 03-11-82 | 1 |
| 667 | 5 | M | 03-09-83 | 1 | 668 | 5 | M | 03-12-82 | 1 | 669 | 5 | M | 03-09-83 | 1 |
| 670 | 5 | M | 01-16-83 | 0 | 671 | 5 | M | 09-10-81 | 1 | 672 | 5 | M | 01-07-83 | 0 |
| 673 | 5 | M | 03-09-83 | 1 | 674 | 5 | M | 09-10-81 | 1 | 675 | 5 | M | 02-13-83 | 0 |
| 676 | 5 | F | 03-09-83 | 1 | 677 | 5 | F | 03-09-83 | 1 | 678 | 5 | F | 01-06-83 | 0 |
| 679 | 5 | F | 09-09-81 | 1 | 680 | 5 | F | 03-09-83 | 1 | 681 | 5 | F | 03-09-83 | 1 |
| 682 | 5 | F | 03-09-83 | 1 | 683 | 5 | F | 03-09-83 | 1 | 684 | 5 | F | 03-09-83 | 1 |
| 685 | 5 | F | 02-02-83 | 0 | 686 | 5 | F | 03-09-83 | 1 | 687 | 5 | F | 03-11-82 | 1 |
| 688 | 5 | F | 03-09-83 | 1 | 689 | 5 | F | 09-11-81 | 1 | 690 | 5 | F | 03-10-82 | 1 |
| 691 | 5 | F | 03-09-83 | 1 | 692 | 5 | F | 03-09-83 | 1 | 693 | 5 | F | 09-30-82 | 0 |
| 694 | 5 | F | 03-09-83 | 1 | 695 | 5 | F | 09-11-81 | 1 | 696 | 5 | F | 03-09-83 | 1 |
| 697 | 5 | F | 09-09-81 | 1 | 698 | 5 | F | 03-09-83 | 1 | 699 | 5 | F | 03-07-83 | 0 |
| 700 | 5 | F | 03-09-83 | 1 | 701 | 5 | F | 03-09-83 | 1 | 702 | 5 | F | 03-09-83 | 1 |
| 703 | 5 | F | 03-09-83 | 1 | 704 | 5 | F | 03-09-83 | 1 | 705 | 5 | F | 03-09-83 | 1 |
| 706 | 5 | F | 02-18-83 | 0 | 707 | 5 | F | 03-09-83 | 1 | 708 | 5 | F | 02-20-83 | 0 |
| 709 | 5 | F | 03-09-83 | 1 | 710 | 5 | F | 03-09-83 | 1 | 711 | 5 | F | 03-09-83 | 1 |
| 712 | 5 | F | 03-09-83 | 1 | 713 | 5 | F | 09-10-81 | 1 | 714 | 5 | F | 03-09-83 | 1 |
| 715 | 5 | F | 03-09-83 | 1 | 716 | 5 | F | 09-09-81 | 1 | 717 | 5 | F | 03-12-82 | 1 |
| 718 | 5 | F | 03-12-82 | 1 | 719 | 5 | F | 09-11-81 | 1 | 720 | 5 | F | 03-11-82 | 1 |
| 721 | 5 | F | 12-06-82 | 0 | 722 | 5 | F | 03-09-83 | 1 | 723 | 5 | F | 09-10-81 | 1 |
| 724 | 5 | F | 03-09-83 | 1 | 725 | 5 | F | 03-11-82 | 1 | 726 | 5 | F | 03-09-83 | 1 |
| 727 | 5 | F | 03-11-82 | 1 | 728 | 5 | F | 03-09-83 | 1 | 729 | 5 | F | 03-09-83 | 1 |
| 730 | 5 | F | 03-10-82 | 1 | 731 | 5 | F | 03-09-83 | 1 | 732 | 5 | F | 03-09-83 | 1 |
| 733 | 5 | F | 03-09-83 | 1 | 734 | 5 | F | 02-05-83 | 0 | 735 | 5 | F | 03-12-82 | 1 |
| 736 | 5 | F | 03-09-83 | 1 | 737 | 5 | F | 09-10-81 | 1 | 738 | 5 | F | 03-09-83 | 1 |
| 739 | 5 | F | 09-10-81 | 1 | 740 | 5 | F | 03-09-83 | 1 | 741 | 5 | F | 03-09-83 | 1 |
| 742 | 5 | F | 03-09-83 | 1 | 743 | 5 | F | 03-09-83 | 1 | 744 | 5 | F | 03-09-83 | 1 |
| 745 | 5 | F | 03-09-83 | 1 | 746 | 5 | F | 03-09-83 | 1 | 747 | 5 | F | 03-10-82 | 1 |
| 748 | 5 | F | 03-09-83 | 1 | 749 | 5 | F | 03-09-83 | 1 | 750 | 5 | F | 03-09-83 | 1 |

EVENT CODE IS O=DIED 1=SCHEDULED SACRIFICED

# Table VI.2

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | M | 89 | 116 | 148 | 186 | 214 | 239 | 260 | 275 | 291 | 306 | 312 | 327 | 343 | 340 | 346 | 356 | 369 | 374 | 384 | 394 | 409 |
| 2 | 1 | M | 131 | 161 | 193 | 227 | 248 | 271 | 285 | 301 | 308 | 322 | 333 | 343 | 335 | 353 | 360 | 358 | 375 | 386 | 393 | 402 | 413 |
| 3 | 1 | M | 104 | 131 | 160 | 195 | 210 | 238 | 260 | 271 | 275 | 288 | 297 | 309 | 314 | 312 | 318 | 321 | 335 | 345 | 359 | 362 | 372 |
| 4 | 1 | M | 90 | 121 | 155 | 198 | 223 | 245 | 270 | 289 | 295 | 312 | 324 | 338 | 346 | 350 | 355 | 368 | 385 | 391 | 397 | 403 | 407 |
| 5 | 1 | M | 93 | 107 | 133 | 173 | 198 | 219 | 244 | 258 | 266 | 280 | 292 | 305 | 313 | 317 | 331 | 338 | 346 | 351 | 365 | 360 | 365 |
| 6 | 1 | M | 85 | 126 | 158 | 203 | 224 | 247 | 270 | 284 | 296 | 310 | 320 | 331 | 341 | 346 | 355 | 360 | 372 | 381 | 392 | 397 | 395 |
| 7 | 1 | M | 87 | 116 | 149 | 192 | 215 | 242 | 262 | 275 | 291 | 305 | 316 | 326 | 330 | 341 | 347 | 367 | 374 | 381 | 390 | 393 | 403 |
| 8 | 1 | M | 110 | 142 | 174 | 208 | 230 | 256 | 277 | 293 | 310 | 324 | 329 | 344 | 357 | 367 | 373 | 390 | 399 | 408 | 414 | 426 | 432 |
| 9 | 1 | M | 108 | 138 | 169 | 208 | 230 | 254 | 274 | 290 | 303 | 312 | 326 | 332 | 344 | 353 | 361 | 377 | 384 | 390 | 408 | 409 | 418 |
| 10 | 1 | M | 100 | 127 | 160 | 197 | 220 | 240 | 261 | 271 | 284 | 256 | 305 | 314 | 321 | 329 | 334 | 344 | 359 | 371 | 377 | 385 | 385 |
| 11 | 1 | M | 108 | 129 | 158 | 195 | 219 | 237 | 252 | 268 | 283 | 294 | 302 | 309 | 316 | 324 | 334 | 341 | 354 | 367 | 374 | 376 | 382 |
| 12 | 1 | M | 116 | 141 | 158 | 198 | 212 | 228 | 242 | 250 | 260 | 275 | 281 | 288 | 298 | 312 | 320 | 327 | 338 | 350 | 358 | 357 | 369 |
| 13 | 1 | M | 82 | 106 | 132 | 166 | 190 | 212 | 237 | 249 | 265 | 279 | 290 | 300 | 316 | 324 | 333 | 348 | 358 | 361 | 367 | 371 | 386 |
| 14 | 1 | M | 128 | 158 | 194 | 226 | 246 | 264 | 284 | 298 | 309 | 321 | 327 | 336 | 344 | 350 | 358 | 365 | 374 | 387 | 391 | 398 | 407 |
| 15 | 1 | M | 121 | 145 | 177 | 206 | 223 | 238 | 257 | 269 | 284 | 295 | 300 | 311 | 324 | 329 | 333 | 345 | 351 | 367 | 373 | 380 | 392 |
| 16 | 1 | M | 100 | 129 | 166 | 205 | 224 | 245 | 261 | 277 | 290 | 302 | 311 | 319 | 320 | 333 | 339 | 350 | 357 | 362 | 366 | 373 | 383 |
| 17 | 1 | M | 104 | 129 | 166 | 207 | 233 | 252 | 275 | 293 | 308 | 316 | 330 | 340 | 351 | 360 | 365 | 375 | 387 | 400 | 418 | 414 | 428 |
| 18 | 1 | M | 77 | 105 | 125 | 164 | 192 | 217 | 239 | 258 | 272 | 287 | 305 | 312 | 387 | 330 | 340 | 356 | 361 | 374 | 383 | 394 | 403 |
| 19 | 1 | M | 87 | 112 | 148 | 185 | 203 | 222 | 236 | 246 | 258 | 268 | 277 | 285 | 290 | 292 | 297 | 311 | 309 | 323 | 336 | 338 | 350 |
| 20 | 1 | M | 104 | 132 | 171 | 209 | 234 | 256 | 276 | 294 | 305 | 317 | 325 | 335 | 343 | 359 | 365 | 377 | 389 | 402 | 407 | 411 | 416 |
| 21 | 1 | M | 91 | 112 | 138 | 171 | 194 | 217 | 231 | 248 | 258 | 267 | 283 | 288 | 300 | 313 | 322 | 333 | 344 | 362 | 365 | 370 | 384 |
| 22 | 1 | M | 83 | 109 | 142 | 181 | 213 | 233 | 255 | 268 | 288 | 303 | 311 | 315 | 326 | 334 | 340 | 345 | 361 | 366 | 368 | 361 | 380 |
| 23 | 1 | M | 74 | 99 | 127 | 161 | 186 | 212 | 230 | 243 | 256 | 265 | 277 | 284 | 289 | 302 | 307 | 316 | 324 | 330 | 337 | 346 | 359 |
| 24 | 1 | M | 77 | 103 | 132 | 175 | 206 | 229 | 250 | 275 | 280 | 287 | 298 | 303 | 319 | 330 | 335 | 345 | 351 | 355 | 365 | 367 | 381 |
| 25 | 1 | M | 108 | 134 | 165 | 196 | 218 | 233 | 248 | 264 | 273 | 316 | 289 | 298 | 304 | 314 | 320 | 327 | 337 | 346 | 354 | 353 | 363 |
| 26 | 1 | M | 120 | 148 | 183 | 217 | 245 | 265 | 280 | 296 | 310 | 295 | 330 | 336 | 347 | 357 | 357 | 366 | 368 | 381 | 384 | 393 | 400 |
| 27 | 1 | M | 84 | 110 | 142 | 182 | 210 | 252 | 249 | 267 | 279 | 285 | 304 | 314 | 318 | 327 | 332 | 342 | 354 | 364 | 382 | 393 | 405 |
| 28 | 1 | M | 105 | 127 | 165 | 197 | 223 | 244 | 260 | 275 | 289 | 300 | 311 | 322 | 330 | 342 | 353 | 362 | 375 | 386 | 398 | 400 | 415 |
| 29 | 1 | M | 95 | 131 | 159 | 201 | 228 | 246 | 272 | 289 | 303 | 316 | 326 | 335 | 342 | 350 | 354 | 364 | 376 | 383 | 399 | 398 | 408 |
| 30 | 1 | M | 111 | 136 | 169 | 202 | 232 | 253 | 267 | 288 | 301 | 312 | 323 | 332 | 336 | 348 | 348 | 363 | 374 | 384 | 389 | 396 | 404 |
| 31 | 1 | M | 108 | 136 | 161 | 186 | 204 | 220 | 227 | 244 | 251 | 264 | 273 | 284 | 294 | 300 | 306 | 316 | 326 | 334 | 344 | 344 | 353 |
| 32 | 1 | M | 131 | 162 | 188 | 204 | 221 | 236 | 256 | 272 | 285 | 298 | 309 | 322 | 328 | 340 | 351 | 355 | 372 | 391 | 395 | 404 | 413 |
| 33 | 1 | M | 78 | 109 | 138 | 169 | 198 | 223 | 239 | 256 | 267 | 281 | 295 | 303 | 314 | 323 | 331 | 338 | 356 | 363 | 369 | 385 | 392 |
| 34 | 1 | M | 107 | 132 | 162 | 198 | 224 | 243 | 264 | 277 | 291 | 308 | 322 | 326 | 336 | 350 | 354 | 360 | 368 | 384 | 393 | 405 | 407 |
| 35 | 1 | M | 114 | 138 | 171 | 207 | 233 | 255 | 272 | 282 | 300 | 311 | 322 | 322 | 336 | 341 | 347 | 353 | 364 | 371 | 388 | 392 | 400 |
| 36 | 1 | M | 99 | 127 | 159 | 197 | 221 | 241 | 259 | 267 | 279 | 295 | 304 | 312 | 318 | 328 | 340 | 347 | 364 | 376 | 381 | 380 | 392 |
| 37 | 1 | M | 119 | 152 | 191 | 127 | 256 | 273 | 293 | 302 | 303 | 324 | 338 | 347 | 255 | 366 | 373 | 388 | 399 | 410 | 424 | 430 | 440 |
| 38 | 1 | M | 95 | 124 | 156 | 193 | 224 | 248 | 269 | 282 | 278 | 307 | 321 | 332 | 338 | 348 | 356 | 367 | 375 | 392 | 400 | 409 | 415 |
| 39 | 1 | M | 127 | 154 | 189 | 214 | 240 | 258 | 270 | 282 | 278 | 302 | 314 | 316 | 330 | 334 | 338 | 351 | 355 | 366 | 376 | 382 | 386 |
| 40 | 1 | M | 119 | 145 | 136 | 212 | 234 | 255 | 265 | 278 | 295 | 310 | 316 | 326 | 332 | 335 | 339 | 339 | 355 | 378 | 375 | 381 | 383 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 109 | 134 | 165 | 191 | 211 | 229 | 239 | 248 | 260 | 271 | 280 | 286 | 295 | 299 | 304 | 307 | 316 | 327 | 336 | 342 | 347 |
| 42 | 1 | M | 93 | 123 | 156 | 188 | 213 | 233 | 249 | 264 | 272 | 283 | 295 | 307 | 324 | 334 | 341 | 354 | 362 | 374 | 381 | 390 | 395 |
| 43 | 1 | M | 78 | 100 | 128 | 164 | 192 | 210 | 230 | 244 | 236 | 265 | 285 | 292 | 305 | 312 | 322 | 323 | 334 | 345 | 357 | 372 | 371 |
| 44 | 1 | M | 113 | 143 | 177 | 206 | 235 | 252 | 272 | 285 | 271 | 293 | 309 | 320 | 329 | 329 | 332 | 331 | 342 | 354 | 363 | 368 | 371 |
| 45 | 1 | M | 132 | 122 | 194 | 221 | 249 | 273 | 292 | 308 | 295 | 321 | 336 | 352 | 354 | 366 | 370 | 374 | 383 | 402 | 410 | 426 | 430 |
| 46 | 1 | M | 101 | 120 | 143 | 171 | 194 | 214 | 227 | 228 | 246 | 260 | 269 | 277 | 288 | 300 | 307 | 315 | 329 | 334 | 350 | 351 | 358 |
| 47 | 1 | M | 110 | 128 | 154 | 174 | 191 | 205 | 216 | 240 | 237 | 253 | 261 | 271 | 276 | 290 | 293 | 302 | 310 | 321 | 326 | 338 | 345 |
| 48 | 1 | M | 111 | 137 | 173 | 208 | 230 | 245 | 262 | 275 | 290 | 302 | 305 | 316 | 322 | 331 | 341 | 347 | 358 | 370 | 380 | 390 | 396 |
| 49 | 1 | M | 124 | 149 | 175 | 203 | 227 | 253 | 267 | 282 | 296 | 308 | 318 | 328 | 336 | 345 | 347 | 358 | 372 | 380 | 397 | 411 | 411 |
| 50 | 1 | M | 99 | 119 | 153 | 168 | 188 | 210 | 224 | 233 | 248 | 257 | 266 | 276 | 291 | 290 | 301 | 316 | 335 | 348 | 364 | 368 | 375 |
| 51 | 1 | M | 108 | 136 | 113 | 204 | 229 | 250 | 269 | 283 | 293 | 307 | 323 | 327 | 336 | 349 | 357 | 365 | 381 | 389 | 407 | 413 | 417 |
| 52 | 1 | M | 78 | 100 | 133 | 169 | 196 | 219 | 237 | 253 | 260 | 275 | 287 | 293 | 304 | 312 | 320 | 320 | 341 | 353 | 359 | 367 | 376 |
| 53 | 1 | M | 87 | 105 | 140 | 176 | 205 | 229 | 250 | 264 | 277 | 288 | 301 | 311 | 318 | 333 | 340 | 340 | 360 | 372 | 374 | 392 | 396 |
| 54 | 1 | M | 119 | 142 | 181 | 212 | 231 | 257 | 274 | 293 | 305 | 313 | 322 | 332 | 339 | 355 | 360 | 364 | 380 | 387 | 400 | 409 | 416 |
| 55 | 1 | M | 123 | 145 | 170 | 187 | 205 | 247 | 248 | 261 | 279 | 286 | 299 | 307 | 317 | 329 | 318 | 342 | 364 | 369 | 380 | 384 | 386 |
| 56 | 1 | M | 88 | 120 | 158 | 194 | 222 | 230 | 263 | 277 | 288 | 301 | 312 | 318 | 328 | 338 | 346 | 356 | 366 | 374 | 383 | 388 | 388 |
| 57 | 1 | M | 105 | 132 | 166 | 194 | 214 | 233 | 245 | 255 | 266 | 276 | 283 | 295 | 300 | 311 | 334 | 326 | 338 | 345 | 359 | 364 | 376 |
| 58 | 1 | M | 105 | 127 | 159 | 190 | 215 | 236 | 251 | 263 | 273 | 289 | 296 | 304 | 320 | 330 | 332 | 339 | 349 | 355 | 363 | 377 | 384 |
| 59 | 1 | M | 112 | 140 | 178 | 208 | 233 | 251 | 268 | 279 | 291 | 302 | 310 | 320 | 330 | 339 | 343 | 352 | 367 | 375 | 388 | 402 | 406 |
| 60 | 1 | M | 111 | 133 | 160 | 178 | 201 | 218 | 228 | 243 | 254 | 262 | 269 | 273 | 285 | 295 | 304 | 313 | 322 | 334 | 337 | 343 | 354 |
| 61 | 1 | M | 98 | 123 | 139 | 190 | 212 | 229 | 247 | 265 | 278 | 285 | 298 | 301 | 314 | 321 | 320 | 328 | 338 | 347 | 359 | 369 | 371 |
| 62 | 1 | M | 98 | 116 | 157 | 168 | 188 | 211 | 225 | 239 | 248 | 259 | 265 | 275 | 284 | 297 | 302 | 311 | 324 | 330 | 343 | 348 | 354 |
| 63 | 1 | M | 110 | 127 | 155 | 176 | 199 | 232 | 250 | 264 | 276 | 286 | 294 | 302 | 314 | 322 | 332 | 335 | 347 | 359 | 372 | 380 | 386 |
| 64 | 1 | M | 88 | 118 | 149 | 181 | 202 | 231 | 248 | 260 | 276 | 287 | 302 | 312 | 318 | 322 | 331 | 338 | 347 | 356 | 363 | 374 | 365 |
| 65 | 1 | M | 127 | 157 | 194 | 221 | 246 | 271 | 290 | 308 | 321 | 331 | 346 | 352 | 362 | 370 | 376 | --- | 396 | 406 | 416 | 429 | 425 |
| 66 | 1 | M | 98 | 120 | 148 | 170 | 193 | 212 | 230 | 242 | 256 | 267 | 274 | 285 | 296 | 303 | 307 | 316 | 322 | 329 | 336 | 344 | 343 |
| 67 | 1 | M | 82 | 110 | 142 | 180 | 211 | 235 | 256 | 276 | 285 | 300 | 317 | 323 | 330 | 346 | 353 | 365 | 374 | 384 | 397 | 410 | 413 |
| 68 | 1 | M | 89 | 108 | 128 | 152 | 172 | 193 | 206 | 218 | 228 | 239 | 250 | 259 | 267 | 274 | 284 | 294 | 297 | 308 | 314 | 317 | 320 |
| 69 | 1 | M | 110 | [illegible] | 161 | 188 | 214 | 238 | 256 | 265 | 279 | 294 | 298 | 316 | 329 | 340 | 345 | 355 | 370 | 388 | 399 | 411 | 420 |
| 70 | 1 | M | 120 | 150 | 188 | 214 | 236 | 258 | 265 | 286 | 298 | 294 | 319 | 327 | 336 | 345 | 350 | 358 | 365 | 382 | 389 | 398 | 400 |
| 71 | 1 | M | 99 | 132 | 169 | 202 | 231 | 253 | 274 | 287 | 301 | 313 | 324 | 331 | 342 | 352 | 349 | 363 | 375 | 396 | 400 | 416 | 416 |
| 72 | 1 | M | 92 | 121 | 157 | 188 | 219 | 240 | 255 | 271 | 283 | 310 | 305 | 316 | 327 | 335 | 341 | 350 | 364 | 374 | 384 | 390 | 375 |
| 73 | 1 | M | 106 | 135 | 167 | 187 | 214 | 232 | 250 | 263 | 276 | 280 | 292 | 301 | 341 | 312 | 316 | 322 | 343 | 349 | 359 | 364 | 359 |
| 74 | 1 | M | 110 | 138 | 174 | 195 | 221 | 240 | 256 | 271 | 285 | 298 | 307 | 312 | 326 | 339 | 346 | 364 | 373 | 382 | 393 | 405 | 405 |
| 75 | 1 | M | 118 | 153 | 190 | 215 | 251 | 268 | 279 | 295 | 208 | 313 | 324 | 328 | 307 | 352 | 352 | 364 | 374 | 382 | 395 | 406 | 408 |
| 76 | 1 | F | 76 | 95 | 112 | 126 | 132 | 143 | 148 | 154 | 158 | 163 | 169 | 170 | 173 | 176 | 178 | 178 | 185 | 186 | 192 | 193 | 196 |
| 77 | 1 | F | 71 | 89 | 101 | 119 | 126 | 137 | 142 | 150 | 154 | 158 | 163 | 166 | 169 | 172 | 174 | 178 | 183 | 186 | 190 | 192 | 196 |
| 78 | 1 | F | 103 | 120 | 132 | 141 | 148 | 157 | 166 | 169 | 171 | 179 | 180 | 187 | 187 | 189 | 192 | 193 | 195 | 197 | 204 | 203 | 212 |
| 79 | 1 | F | 103 | 121 | 139 | 152 | 160 | 165 | 176 | 179 | 182 | 186 | 191 | 196 | 196 | 200 | 199 | 198 | 201 | 206 | 204 | 211 | 218 |
| 80 | 1 | F | 69 | 87 | 103 | 121 | 126 | 134 | 150 | 153 | 157 | 161 | 161 | 171 | 174 | 172 | 176 | 183 | 186 | 191 | 192 | 196 | 197 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
| 81 | 1 | F | 95 | 113 | 131 | 146 | 151 | 158 | 163 | 168 | 171 | 182 | 184 | 188 | 190 | 191 | 192 | 190 | 192 | 201 | 205 | 206 | 209 |
| 82 | 1 | F | 81 | 95 | 110 | 125 | 129 | 136 | 147 | 149 | 151 | 153 | 163 | 162 | 164 | 166 | 167 | 173 | 181 | 184 | 188 | 192 | 196 |
| 83 | 1 | F | 94 | 108 | 124 | 137 | 143 | 152 | 157 | 166 | 169 | 170 | 175 | 175 | 183 | 184 | 183 | 187 | 192 | 197 | 201 | 202 | 204 |
| 84 | 1 | F | 94 | 107 | 123 | 132 | 140 | 151 | 157 | 164 | 163 | 173 | 178 | 180 | 182 | 183 | 180 | 184 | 188 | 192 | 198 | 203 | 206 |
| 85 | 1 | F | 61 | 81 | 98 | 113 | 122 | 132 | 136 | 146 | 150 | 154 | 158 | 160 | 164 | 165 | 167 | 168 | 170 | 177 | 178 | 176 | 180 |
| 86 | 1 | F | 84 | 98 | 112 | 127 | 137 | 146 | 154 | 164 | 168 | 172 | 179 | 181 | 181 | 185 | 191 | 192 | 191 | 196 | 200 | 201 | 197 |
| 87 | 1 | F | 80 | 94 | 109 | 124 | 132 | 140 | 146 | 154 | 155 | 158 | 165 | 164 | 163 | 166 | 167 | 168 | 173 | 178 | 181 | 187 | 184 |
| 88 | 1 | F | 59 | 71 | 85 | 98 | 106 | 116 | 121 | 127 | 132 | 136 | 139 | 140 | 146 | 147 | 152 | 154 | 161 | 166 | 168 | 167 | 174 |
| 89 | 1 | F | 85 | 104 | 116 | 134 | 139 | 150 | 159 | 169 | 172 | 176 | 180 | 179 | 183 | 183 | 186 | 191 | 196 | 199 | 201 | 205 | 205 |
| 90 | 1 | F | 100 | 113 | 127 | 141 | 146 | 150 | 158 | 163 | 167 | 171 | 176 | 179 | 173 | 179 | 179 | 186 | 193 | 163 | 194 | 197 | 200 |
| 91 | 1 | F | 93 | 107 | 128 | 143 | 152 | 161 | 166 | 175 | 177 | 184 | 188 | 186 | 192 | 200 | 196 | 205 | 190 | 203 | 207 | 213 | 219 |
| 92 | 1 | F | 73 | 95 | 115 | 133 | 144 | 153 | 157 | 164 | 169 | 175 | 181 | 180 | 183 | 189 | 194 | 200 | 189 | 201 | 203 | 205 | 211 |
| 93 | 1 | F | 99 | 112 | 125 | 140 | 147 | 153 | 160 | 164 | 167 | 171 | 172 | 176 | 174 | 185 | 180 | 185 | 173 | 189 | 194 | 194 | 195 |
| 94 | 1 | F | 106 | 120 | 135 | 145 | 156 | 162 | 166 | 172 | 172 | 179 | 180 | 177 | 185 | 188 | 188 | 194 | 200 | 202 | 203 | 208 | 210 |
| 95 | 1 | F | 88 | 106 | 123 | 142 | 148 | 155 | 162 | 168 | 171 | 174 | 181 | 182 | 192 | 190 | 187 | 192 | 193 | 196 | 199 | 195 | 206 |
| 96 | 1 | F | 83 | 96 | 108 | 122 | 130 | 137 | 146 | 156 | 158 | 165 | 166 | 169 | 172 | 173 | 176 | 184 | 183 | 189 | 190 | 192 | 198 |
| 97 | 1 | F | 82 | 104 | 122 | 140 | 148 | 155 | 164 | 167 | 171 | 178 | 182 | 188 | 193 | 196 | 199 | 189 | 203 | 202 | 200 | 210 | 214 |
| 98 | 1 | F | 78 | 95 | 111 | 129 | 140 | 148 | 157 | 159 | 163 | 169 | 170 | 176 | 179 | 187 | 192 | 179 | 191 | 195 | 193 | 200 | 204 |
| 99 | 1 | F | 83 | 97 | 110 | 122 | 128 | 136 | 141 | 148 | 150 | 156 | 160 | 162 | 170 | 169 | 172 | 163 | 182 | 186 | 191 | 191 | 197 |
| 100 | 1 | F | 95 | 105 | 118 | 131 | 136 | 145 | 149 | 157 | 161 | 162 | 168 | 173 | 171 | 174 | 176 | 178 | 177 | 184 | 188 | 189 | 192 |
| 101 | 1 | F | 96 | 108 | 125 | 134 | 144 | 154 | 160 | 167 | 169 | 169 | 178 | 175 | 181 | 183 | 185 | 181 | 190 | 193 | 195 | 194 | 203 |
| 102 | 1 | F | 79 | 95 | 116 | 130 | 142 | 148 | 155 | 160 | 165 | 161 | 170 | 189 | 175 | 178 | 179 | 180 | 188 | 190 | 191 | 192 | 196 |
| 103 | 1 | F | 86 | 104 | 120 | 136 | 144 | 151 | 159 | 163 | 168 | 172 | 174 | 178 | 182 | 186 | 189 | 186 | 193 | 193 | 198 | 198 | 202 |
| 104 | 1 | F | 86 | 103 | 116 | 129 | 138 | 152 | 160 | 167 | 172 | 176 | 179 | 181 | 184 | 191 | 190 | 191 | 197 | 199 | 205 | 201 | 199 |
| 105 | 1 | F | 75 | 92 | 110 | 127 | 137 | 150 | 159 | 164 | 169 | 172 | 177 | 178 | 185 | 189 | 192 | 195 | 201 | 205 | 207 | 204 | 209 |
| 106 | 1 | F | 88 | 108 | 128 | 147 | 158 | 164 | 176 | 182 | 185 | 190 | 191 | 195 | 197 | 197 | 200 | 193 | 203 | 204 | 212 | 217 | 219 |
| 107 | 1 | F | 87 | 97 | 109 | 119 | 130 | 135 | 139 | 144 | 146 | 150 | 153 | 154 | 156 | 161 | 156 | 164 | 169 | 168 | 170 | 172 | 177 |
| 108 | 1 | F | 88 | 104 | 117 | 131 | 140 | 145 | 149 | 153 | 159 | 159 | 162 | 165 | 168 | 174 | 172 | 166 | 173 | 179 | 182 | 181 | 190 |
| 109 | 1 | F | 86 | 106 | 126 | 144 | 153 | 168 | 173 | 182 | 183 | 192 | 197 | 198 | 202 | 206 | 204 | 211 | 212 | 222 | 225 | 225 | 228 |
| 110 | 1 | F | 97 | 115 | 126 | 141 | 151 | 159 | 164 | 170 | 171 | 156 | 178 | 182 | 182 | 185 | 185 | 189 | 191 | 195 | 199 | 200 | 205 |
| 111 | 1 | F | 100 | 118 | 129 | 142 | 151 | 154 | 162 | 166 | 169 | 175 | 177 | 183 | 185 | 189 | 183 | 187 | 187 | 195 | 200 | 199 | 204 |
| 112 | 1 | F | 89 | 110 | 129 | 137 | 147 | 152 | 158 | 164 | 170 | 172 | 176 | 181 | 183 | 187 | 194 | 192 | 198 | 204 | 204 | 204 | 209 |
| 113 | 1 | F | 113 | 97 | 109 | 122 | 135 | 142 | 146 | 154 | 156 | 162 | 168 | 171 | 169 | 173 | 172 | 179 | 186 | 187 | 184 | 193 | 196 |
| 114 | 1 | F | 96 | 117 | 129 | 144 | 156 | 162 | 169 | 176 | 183 | 187 | 191 | 196 | 197 | 202 | 203 | 211 | 213 | 216 | 222 | 226 | 227 |
| 115 | 1 | F | 87 | 106 | 122 | 137 | 148 | 159 | 164 | 173 | 181 | 181 | 185 | 190 | 192 | 198 | 196 | 199 | 206 | 211 | 211 | 212 | 216 |
| 116 | 1 | F | 67 | 84 | 98 | 112 | 122 | 132 | 140 | 147 | 152 | 155 | 154 | 160 | 162 | 167 | 168 | 173 | 173 | 174 | 181 | 182 | 186 |
| 117 | 1 | F | 75 | 93 | 109 | 127 | 141 | 150 | 157 | 159 | 165 | 168 | 169 | 176 | 178 | 181 | 183 | 187 | 189 | 191 | 189 | 194 | 199 |
| 118 | 1 | F | 100 | 117 | 131 | 144 | 155 | 158 | 166 | 168 | 172 | 178 | 183 | 181 | 189 | 192 | 194 | 193 | 196 | 203 | 202 | 204 | 199 |
| 119 | 1 | F | 78 | 98 | 115 | 128 | 143 | 150 | 154 | 160 | 164 | 172 | 174 | 176 | 177 | 182 | 182 | 179 | 189 | 194 | 201 | 196 | 189 |
| 120 | 1 | F | 101 | 114 | 128 | 138 | 147 | 157 | 162 | 162 | 168 | 174 | 178 | 179 | 183 | 186 | 186 | 187 | 193 | 197 | 196 | 197 | 197 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 121 | 1 | F | 93 | 102 | 115 | 122 | 132 | 139 | 166 | 148 | 152 | 166 | 162 | 161 | 167 | 173 | 175 | 174 | 180 | 185 | 187 | 188 | 195 |
| 122 | 1 | F | 95 | 107 | 122 | 126 | 136 | 142 | 147 | 149 | 152 | 157 | 163 | 160 | 167 | 170 | 172 | 174 | 178 | 186 | 191 | 188 | 196 |
| 123 | 1 | F | 101 | 112 | 127 | 133 | 147 | 160 | 144 | 176 | 175 | 177 | 185 | 188 | 190 | 187 | 193 | 194 | 199 | 200 | 206 | 210 | 216 |
| 124 | 1 | F | 105 | 119 | 134 | 149 | 166 | 162 | 177 | 175 | 180 | 188 | 188 | 191 | 196 | 200 | 202 | 204 | 209 | 215 | 219 | 221 | 223 |
| 125 | 1 | F | 101 | 116 | 132 | 144 | 157 | 167 | 170 | 174 | 176 | 186 | 188 | 190 | 197 | 198 | 200 | 203 | 210 | 213 | 216 | 214 | 218 |
| 126 | 1 | F | 102 | 118 | 139 | 151 | 158 | 165 | 173 | 181 | 185 | 192 | 196 | 200 | 204 | 207 | 209 | 210 | 217 | 219 | 223 | 227 | 234 |
| 127 | 1 | F | 112 | 123 | 133 | 144 | 147 | 155 | 167 | 173 | 174 | 177 | 183 | 184 | 186 | 190 | 192 | 198 | 202 | 203 | 200 | 208 | 208 |
| 128 | 1 | F | 82 | 82 | 119 | 137 | 142 | 152 | 162 | 167 | 173 | 175 | 184 | 183 | 186 | 190 | 192 | 196 | 197 | 204 | 205 | 205 | 209 |
| 129 | 1 | F | 75 | 64 | 116 | 131 | 138 | 152 | 160 | 170 | 174 | 180 | 187 | 182 | 190 | 198 | 196 | 201 | 208 | 205 | 207 | 212 | 209 |
| 130 | 1 | F | 77 | 96 | 113 | 126 | 137 | 145 | 152 | 157 | 165 | 169 | 174 | 176 | 182 | 188 | 191 | 191 | 195 | 204 | 207 | 212 | 217 |
| 131 | 1 | F | 71 | 92 | 111 | 128 | 138 | 148 | 155 | 161 | 168 | 168 | 171 | 177 | 180 | 185 | 186 | 183 | 189 | 194 | 196 | 203 | 204 |
| 132 | 1 | F | 71 | 92 | 112 | 127 | 134 | 146 | 152 | 164 | 161 | 168 | 172 | 175 | 177 | 174 | 179 | 181 | 188 | 187 | 190 | 194 | 192 |
| 133 | 1 | F | 91 | 111 | 133 | 145 | 161 | 166 | 175 | 178 | 180 | 190 | 187 | 191 | 192 | 200 | 200 | 198 | 203 | 211 | 218 | 222 | 215 |
| 134 | 1 | F | 100 | 118 | 134 | 149 | 152 | 162 | 171 | 174 | 180 | 184 | 187 | 194 | 199 | 201 | 205 | 204 | 208 | 221 | 227 | 225 | 228 |
| 135 | 1 | F | 96 | 105 | 132 | 153 | 164 | 174 | 172 | 181 | 184 | 190 | 193 | 196 | 206 | 210 | 207 | 206 | 213 | 219 | 226 | 228 | 220 |
| 136 | 1 | F | 97 | 108 | 122 | 129 | 137 | 162 | 144 | 148 | 152 | 154 | 159 | 162 | 166 | 167 | 170 | 170 | 175 | 182 | 192 | 193 | 194 |
| 137 | 1 | F | 90 | 110 | 130 | 143 | 152 | 156 | 165 | 170 | 178 | 185 | 191 | 194 | 196 | 197 | 201 | 203 | 208 | 212 | 220 | 223 | 228 |
| 138 | 1 | F | 107 | 120 | 139 | 151 | 154 | 150 | 170 | 175 | 179 | 183 | 187 | 189 | 193 | 194 | 198 | 197 | 200 | 206 | 210 | 212 | 215 |
| 139 | 1 | F | 91 | 98 | 117 | 126 | 136 | 144 | 149 | 154 | 155 | 159 | 165 | 167 | 169 | 175 | 176 | 180 | 182 | 187 | 189 | 195 | 201 |
| 140 | 1 | F | 83 | 96 | 116 | 129 | 138 | 146 | 152 | 160 | 160 | 166 | 168 | 172 | 176 | 176 | 178 | 180 | 188 | 192 | 193 | 200 | 202 |
| 141 | 1 | F | 83 | 103 | 112 | 126 | 137 | 143 | 149 | 154 | 154 | 157 | 162 | 165 | 175 | 176 | 180 | 180 | 188 | 193 | 192 | 200 | 203 |
| 142 | 1 | F | 76 | 97 | 119 | 131 | 140 | 151 | 159 | 166 | 171 | 173 | 182 | 183 | 186 | 189 | 188 | 194 | 200 | 202 | 206 | 212 | 216 |
| 143 | 1 | F | 117 | 130 | 148 | 154 | 164 | 170 | 176 | 181 | 186 | 187 | 196 | 197 | 199 | 202 | 201 | 202 | 210 | 213 | 211 | 217 | 211 |
| 144 | 1 | F | 91 | 109 | 130 | 144 | 152 | 161 | 170 | 175 | 183 | 184 | 192 | 193 | 198 | 200 | 203 | 202 | 211 | 213 | 217 | 225 | 221 |
| 145 | 1 | F | 108 | 120 | 136 | 148 | 156 | 170 | 173 | 180 | 184 | 187 | 192 | 195 | 189 | 204 | 207 | 206 | 212 | 214 | 219 | 210 | 223 |
| 146 | 1 | F | 102 | 114 | 130 | 142 | 152 | 149 | 167 | 171 | 173 | 179 | 182 | 187 | 202 | 190 | 192 | 195 | 200 | 206 | 208 | 202 | 219 |
| 147 | 1 | F | 99 | 112 | 131 | 139 | 150 | 159 | 164 | 169 | 171 | 175 | 178 | 180 | 186 | 186 | 184 | 189 | 189 | 192 | 198 | 190 | 208 |
| 148 | 1 | F | 105 | 120 | 135 | 148 | 151 | 160 | 165 | 169 | 174 | 176 | 181 | 180 | 185 | 187 | 191 | 194 | 200 | 206 | 202 | 208 | 212 |
| 149 | 1 | F | 83 | 97 | 118 | 134 | 142 | 150 | 158 | 164 | 170 | 173 | 177 | 182 | 185 | 192 | 185 | 191 | 198 | 203 | 201 | 207 | 212 |
| 150 | 1 | F | 92 | 110 | 134 | 135 | 140 | 150 | 154 | 163 | 167 | 167 | 171 | 176 | 182 | 182 | 184 | 184 | 189 | 191 | 194 | 200 | 201 |
| 151 | 2 | M | 88 | 117 | 146 | 180 | 204 | 228 | 250 | 260 | 275 | 291 | 301 | 313 | 317 | 320 | 324 | 336 | 348 | 357 | 369 | 370 | 380 |
| 152 | 2 | M | 80 | 106 | 134 | 160 | 184 | 206 | 222 | 233 | 246 | 260 | 267 | 277 | 280 | 289 | 298 | 310 | 353 | 332 | 342 | 349 | 350 |
| 153 | 2 | M | 113 | 137 | 163 | 193 | 207 | 230 | 250 | 257 | 276 | 288 | 293 | 298 | 312 | 316 | 322 | 332 | 341 | 347 | 357 | 369 | 375 |
| 154 | 2 | M | 104 | 133 | 168 | 206 | 230 | 251 | 272 | 284 | 297 | 309 | 317 | 329 | 331 | 337 | 350 | 363 | 372 | 378 | 389 | 394 | 403 |
| 155 | 2 | M | 121 | 150 | 185 | 217 | 237 | 260 | 278 | 291 | 306 | 318 | 326 | 330 | 338 | 347 | 354 | 370 | 379 | 390 | 399 | 403 | 411 |
| 156 | 2 | M | 118 | 144 | 181 | 218 | 238 | 261 | 278 | 292 | 310 | 322 | 328 | 337 | 344 | 350 | 360 | 370 | 373 | 377 | 383 | 397 | 407 |
| 157 | 2 | M | 78 | 97 | 119 | 149 | 166 | 187 | 209 | 225 | 240 | 255 | 267 | 280 | 292 | 305 | 312 | 321 | 339 | 348 | 354 | 359 | 376 |
| 158 | 2 | M | 114 | 135 | 162 | 190 | 194 | 224 | 249 | 266 | 274 | 294 | 302 | 307 | 308 | 321 | 332 | 333 | 355 | 365 | 369 | 379 | 387 |
| 159 | 2 | M | 78 | 108 | 141 | 181 | 204 | 228 | 245 | 261 | 276 | 291 | 303 | 310 | 313 | 322 | 333 | 350 | 359 | 364 | 381 | 382 | 389 |
| 160 | 2 | M | 77 | 105 | 139 | 181 | 204 | 230 | 244 | 258 | 270 | 291 | 300 | 311 | 323 | 333 | 339 | 340 | 359 | 370 | 379 | 391 | 394 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 2 | M | 113 | 141 | 176 | 218 | 238 | 262 | 280 | 297 | 305 | 317 | 328 | 342 | 350 | 357 | 359 | 358 | 381 | 386 | 402 | 400 | 413 |
| 162 | 2 | M | 92 | 117 | 147 | 183 | 204 | 228 | 243 | 257 | 272 | 284 | 295 | 306 | 311 | 321 | 330 | 331 | 345 | 355 | 355 | 363 | 374 |
| 163 | 2 | M | 107 | 131 | 160 | 192 | 212 | 236 | 255 | 273 | 288 | 299 | 313 | 324 | 337 | 344 | 347 | 366 | 380 | 394 | 408 | 410 | 423 |
| 164 | 2 | M | 107 | 135 | 168 | 203 | 226 | 247 | 267 | 280 | 288 | 300 | 313 | 324 | 335 | 344 | 348 | 367 | 374 | 383 | 393 | 399 | 407 |
| 165 | 2 | M | 103 | 132 | 166 | 200 | 217 | 240 | 256 | 272 | 281 | 296 | 303 | 315 | 323 | 330 | 336 | 348 | 361 | 364 | 373 | 383 | 390 |
| 166 | 2 | M | 118 | 149 | 184 | 217 | 239 | 260 | 276 | 287 | 300 | 313 | 319 | 328 | 326 | 341 | 347 | 352 | 364 | 375 | 380 | 386 | 397 |
| 167 | 2 | M | 132 | 160 | 194 | 226 | 252 | 272 | 289 | 296 | 315 | 329 | 334 | 344 | 344 | 352 | 359 | 375 | 387 | 400 | 412 | 419 | 426 |
| 168 | 2 | M | 94 | 121 | 148 | 180 | 203 | 222 | 242 | 255 | 272 | 282 | 293 | 313 | 309 | 319 | 330 | 343 | 356 | 363 | 366 | 375 | 380 |
| 169 | 2 | M | 114 | 139 | 173 | 208 | 231 | 253 | 272 | 288 | 299 | 315 | 325 | 336 | 343 | 353 | 358 | 363 | 373 | 385 | 395 | 398 | 412 |
| 170 | 2 | M | 74 | 104 | 126 | 166 | 192 | 214 | 234 | 255 | 267 | 280 | 290 | 302 | 314 | 321 | 326 | 335 | 355 | 358 | 367 | 372 | 374 |
| 171 | 2 | M | 82 | 99 | 123 | 151 | 170 | 190 | 203 | 219 | 235 | 245 | 255 | 266 | 277 | 282 | 290 | 300 | 310 | 325 | 328 | 342 | 353 |
| 172 | 2 | M | 78 | 135 | 169 | 202 | 228 | 245 | 266 | 276 | 293 | 302 | 309 | 316 | 324 | 336 | 344 | 352 | 361 | 370 | 379 | 382 | 392 |
| 173 | 2 | M | 93 | 119 | 149 | 180 | 206 | 227 | 250 | 261 | 277 | 282 | 301 | 305 | 317 | 323 | 335 | 348 | 358 | 371 | 386 | 386 | 395 |
| 174 | 2 | M | 109 | 141 | 176 | 216 | 246 | 267 | 290 | 305 | 320 | 329 | 339 | 348 | 357 | 365 | 371 | 384 | 393 | 403 | 409 | 422 | 429 |
| 175 | 2 | M | 113 | 140 | 176 | 212 | 234 | 260 | 279 | 288 | 304 | 315 | 329 | 338 | 342 | 349 | 356 | 359 | 372 | 382 | 385 | 390 | 394 |
| 176 | 2 | M | 94 | 116 | 150 | 192 | 218 | 245 | 264 | 284 | 303 | 316 | 329 | 335 | 344 | 356 | 365 | 377 | 385 | 391 | 398 | 405 | 419 |
| 177 | 2 | M | 86 | 119 | 145 | 171 | 195 | 215 | 230 | 244 | 261 | 271 | 284 | 291 | 304 | 308 | 314 | 328 | 335 | 348 | 349 | 358 | 364 |
| 178 | 2 | M | 92 | 110 | 129 | 157 | 175 | 195 | 215 | 243 | 244 | 254 | 270 | 277 | 287 | 293 | 300 | 304 | 323 | 333 | 339 | 349 | 356 |
| 179 | 2 | M | 82 | 110 | 136 | 174 | 201 | 223 | 240 | 254 | 265 | 280 | 290 | 301 | 313 | 320 | 329 | 344 | 366 | 370 | 379 | 380 | 392 |
| 180 | 2 | M | 79 | 105 | 129 | 164 | 188 | 213 | 230 | 239 | 258 | 275 | 287 | 296 | 308 | 319 | 327 | 332 | 346 | 355 | 356 | 367 | 377 |
| 181 | 2 | M | 103 | 92 | 157 | 188 | 207 | 228 | 243 | 261 | 268 | 285 | 298 | 300 | 309 | 322 | 331 | 332 | 353 | 361 | 376 | 379 | 387 |
| 182 | 2 | M | 98 | 127 | 158 | 200 | 225 | 245 | 264 | 280 | 291 | 302 | 312 | 320 | 323 | 330 | 333 | 342 | 356 | 364 | 373 | 374 | 391 |
| 183 | 2 | M | 68 | 132 | 116 | 152 | 179 | 204 | 219 | 237 | 249 | 260 | 273 | 280 | 289 | 292 | 305 | 316 | 332 | 338 | 350 | 352 | 358 |
| 184 | 2 | M | 114 | 143 | 172 | 204 | 228 | 253 | 273 | 287 | 303 | 315 | 333 | 343 | 353 | 361 | 367 | 377 | 389 | 402 | 415 | 428 | 434 |
| 185 | 2 | M | 89 | 118 | 150 | 187 | 216 | 236 | 259 | 276 | 287 | 306 | 315 | 323 | 334 | 342 | 347 | 350 | 365 | 372 | 381 | 392 | 397 |
| 186 | 2 | M | 118 | 149 | 185 | 220 | 145 | 268 | 289 | 301 | 317 | 324 | 334 | 346 | 350 | 359 | 368 | 374 | 382 | 399 | 396 | 410 | 419 |
| 187 | 2 | M | 91 | 123 | 153 | 192 | 217 | 241 | 263 | 278 | 289 | 301 | 311 | 321 | 333 | 338 | 340 | 347 | 363 | 370 | 375 | 380 | 394 |
| 188 | 2 | M | 85 | 112 | 140 | 165 | 189 | 216 | 235 | 250 | 260 | 275 | 288 | 298 | 311 | 321 | 327 | 334 | 352 | 367 | 370 | 377 | 387 |
| 189 | 2 | M | 83 | 109 | 142 | 178 | 202 | 222 | 241 | 257 | 271 | 282 | 295 | 302 | 319 | 326 | 329 | 333 | 357 | 368 | 369 | 378 | 390 |
| 190 | 2 | M | 106 | 131 | 163 | 192 | 215 | 234 | 247 | 262 | 274 | 286 | 298 | 303 | 312 | 319 | 322 | 326 | 334 | 344 | 352 | 364 | 367 |
| 191 | 2 | M | 121 | 145 | 183 | 210 | 231 | 250 | 266 | 280 | 291 | 305 | 319 | 327 | 334 | 343 | 347 | 360 | 369 | 379 | 384 | 397 | 396 |
| 192 | 2 | M | 91 | 118 | 145 | 183 | 208 | 231 | 246 | 258 | 272 | 285 | 296 | 306 | 317 | 320 | 326 | 337 | 346 | 354 | 367 | 379 | 375 |
| 193 | 2 | M | 122 | 148 | 187 | 212 | 232 | 254 | 268 | 284 | 298 | 314 | 324 | 331 | 342 | 350 | 351 | 363 | 369 | 384 | 400 | 405 | 415 |
| 194 | 2 | M | 124 | 155 | 198 | 229 | 251 | 276 | 293 | 313 | 319 | 333 | 347 | 363 | 368 | 376 | 376 | 384 | 403 | 415 | 427 | 437 | 448 |
| 195 | 2 | M | 121 | 148 | 181 | 202 | 220 | 235 | 250 | 263 | 275 | 286 | 299 | 308 | 320 | 325 | 335 | 345 | 356 | 362 | 371 | 372 | 387 |
| 196 | 2 | M | 128 | 152 | 183 | 202 | 221 | 238 | 250 | 262 | 273 | 284 | 286 | 289 | 297 | 308 | 317 | 326 | 335 | 346 | 358 | 364 | 365 |
| 197 | 2 | M | 104 | 128 | 157 | 184 | 201 | 218 | 234 | 246 | 259 | 269 | 272 | 280 | 284 | 299 | 310 | 314 | 325 | 332 | 341 | 350 | 354 |
| 198 | 2 | M | 115 | 141 | 172 | 205 | 223 | 248 | 263 | 276 | 291 | 300 | 305 | 308 | 316 | 330 | 337 | 341 | 359 | 371 | 378 | 388 | 375 |
| 199 | 2 | M | 95 | 123 | 158 | 192 | 225 | 249 | 269 | 281 | 301 | 312 | 321 | 328 | 338 | 352 | 352 | 359 | 371 | 389 | 406 | 414 | 417 |
| 200 | 2 | M | 129 | 157 | 193 | 220 | 249 | 271 | 289 | 305 | 320 | 333 | 339 | 301 | 359 | 369 | 374 | 386 | 397 | 402 | 421 | 430 | 431 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 111 | 131 | 162 | 188 | 213 | 234 | 248 | 264 | 276 | 284 | 298 | 308 | 315 | 327 | 336 | 342 | 360 | 366 | 382 | 390 | 396 |
| 202 | 2 | M | 110 | 132 | 156 | 182 | 205 | 227 | 242 | 255 | 274 | 284 | 293 | 301 | 308 | 322 | 329 | 334 | 347 | 358 | 369 | 374 | 373 |
| 203 | 2 | M | 109 | 136 | 177 | 204 | 224 | 240 | 255 | 268 | 287 | 294 | 306 | 313 | 321 | 337 | 336 | 355 | 363 | 371 | 384 | 387 | 394 |
| 204 | 2 | M | 119 | 145 | 174 | 207 | 229 | 246 | 260 | 278 | 291 | 299 | 312 | 323 | 329 | 342 | 348 | 349 | 364 | 377 | 380 | 388 | 399 |
| 205 | 2 | M | 85 | 131 | 163 | 195 | 219 | 242 | 257 | 268 | 283 | 294 | 302 | 313 | 328 | 331 | 333 | 339 | 355 | 357 | 370 | 381 | 382 |
| 206 | 2 | M | 104 | 118 | 151 | 190 | 219 | 242 | 269 | 277 | 288 | 307 | 314 | 326 | 343 | 345 | 353 | 360 | 378 | 384 | 407 | 416 | --- |
| 207 | 2 | M | 115 | 144 | 176 | 210 | 240 | 254 | 271 | 287 | 302 | 314 | 327 | 334 | 347 | 352 | 360 | 366 | 380 | 390 | 398 | 413 | 427 |
| 208 | 2 | M | 115 | 145 | 182 | 213 | 241 | 265 | 285 | 295 | 309 | 322 | 336 | 348 | 358 | 368 | 376 | 383 | 371 | 404 | 412 | 424 | 433 |
| 209 | 2 | M | 110 | 136 | 168 | 190 | 212 | 229 | 248 | 254 | 266 | 280 | 292 | 301 | 310 | 318 | 321 | 329 | 342 | 350 | 355 | 368 | 371 |
| 210 | 2 | M | 87 | 115 | 150 | 183 | 210 | 237 | 254 | 267 | 283 | 298 | 312 | 320 | 329 | 338 | 347 | 353 | 392 | 379 | 390 | 396 | 401 |
| 211 | 2 | M | 123 | 147 | 183 | 210 | 236 | 260 | 269 | 291 | 302 | 316 | 326 | 329 | 343 | 352 | 365 | 366 | 384 | 379 | 393 | 396 | 400 |
| 212 | 2 | M | 98 | 126 | 161 | 192 | 213 | 238 | 255 | 272 | 280 | 291 | 302 | 311 | 320 | 328 | 333 | 343 | 357 | 365 | 374 | 387 | 399 |
| 213 | 2 | M | 119 | 141 | 164 | 182 | 194 | 211 | 223 | 236 | 247 | 250 | 264 | 269 | 276 | 280 | 287 | 292 | 298 | 310 | 314 | 322 | 327 |
| 214 | 2 | M | 135 | 163 | 201 | 229 | 251 | 274 | 291 | 306 | 316 | 331 | 342 | 350 | 358 | 370 | 373 | 377 | 390 | 403 | 409 | 419 | 427 |
| 215 | 2 | M | 92 | 116 | 144 | 173 | 201 | 225 | 237 | 256 | 265 | 280 | 290 | 299 | 311 | 321 | 328 | 339 | 356 | 364 | 367 | 380 | 387 |
| 216 | 2 | M | 119 | 137 | 171 | 199 | 224 | 247 | 264 | 281 | 293 | 302 | 314 | 319 | 310 | 330 | 336 | 336 | 353 | 362 | 370 | 380 | 386 |
| 217 | 2 | M | 120 | 148 | 185 | 214 | 235 | 258 | 275 | 291 | 307 | 320 | 330 | 335 | 315 | 357 | 369 | 374 | 390 | 408 | 423 | 432 | 448 |
| 218 | 2 | M | 99 | 127 | 157 | 188 | 214 | 240 | 259 | 272 | 281 | 297 | 305 | 307 | 315 | 322 | 333 | 337 | 348 | 357 | 364 | 378 | 379 |
| 219 | 2 | M | 124 | 152 | 185 | 204 | 227 | 247 | 259 | 272 | 281 | 291 | 297 | 302 | 347 | 319 | 334 | 333 | 351 | 360 | 367 | 370 | 383 |
| 220 | 2 | M | 105 | 129 | 159 | 180 | 201 | 234 | 240 | 254 | 264 | 280 | 294 | 294 | 303 | 314 | 317 | 332 | 339 | 346 | 359 | 362 | 371 |
| 221 | 2 | M | 102 | 134 | 169 | 204 | 229 | 255 | 274 | 287 | 300 | 312 | 323 | 324 | 333 | 342 | 344 | 354 | 367 | 375 | 384 | 390 | 397 |
| 222 | 2 | M | 90 | 116 | 147 | 177 | 205 | 225 | 257 | 270 | 282 | 296 | 307 | 310 | 322 | 334 | 338 | 353 | 364 | 375 | 386 | 393 | 401 |
| 223 | 2 | M | 94 | 134 | 179 | 200 | 231 | 248 | 267 | 276 | 290 | 304 | 316 | 322 | 333 | 337 | 344 | 351 | 371 | 377 | 389 | 396 | 400 |
| 224 | 2 | M | 114 | 143 | 174 | 204 | 228 | 249 | 262 | 274 | 286 | 300 | 308 | 316 | 328 | 336 | 340 | 354 | 367 | 373 | 387 | 394 | 401 |
| 225 | 2 | M | 87 | 109 | 136 | 161 | 188 | 214 | 230 | 243 | 254 | 269 | 279 | 286 | 295 | 305 | 315 | 326 | 338 | 350 | 358 | 370 | 377 |
| 226 | 2 | F | 106 | 121 | 131 | 147 | 152 | 158 | 168 | 173 | 178 | 181 | 186 | 190 | 191 | 195 | 192 | 198 | 202 | 202 | 207 | 210 | 211 |
| 227 | 2 | F | 86 | 103 | 115 | 133 | 134 | 148 | 153 | 162 | 164 | 166 | 173 | 176 | 178 | 182 | 180 | 183 | 187 | 194 | 195 | 197 | 201 |
| 228 | 2 | F | 102 | 117 | 130 | 140 | 145 | 154 | 159 | 166 | 169 | 174 | 178 | 178 | 185 | 183 | 187 | 187 | 189 | 195 | 199 | 200 | 228 |
| 229 | 2 | F | 100 | 117 | 132 | 144 | 152 | 160 | 171 | 172 | 180 | 181 | 189 | 186 | 192 | 198 | 193 | 202 | 204 | 204 | 210 | 208 | 212 |
| 230 | 2 | F | 82 | 94 | 104 | 113 | 118 | 124 | 128 | 130 | 134 | 136 | 141 | 141 | 149 | 153 | 150 | 155 | 159 | 163 | 165 | 169 | 168 |
| 231 | 2 | F | 78 | 99 | 114 | 132 | 140 | 151 | 156 | 162 | 166 | 168 | 172 | 170 | 177 | 175 | 183 | 188 | 187 | 189 | 196 | 198 | 204 |
| 232 | 2 | F | 86 | 105 | 118 | 131 | 136 | 144 | 150 | 152 | 158 | 162 | 163 | 168 | 170 | 170 | 169 | 173 | 176 | 165 | 188 | 184 | 189 |
| 233 | 2 | F | 94 | 115 | 134 | 149 | 157 | 168 | 178 | 185 | 192 | 199 | 198 | 205 | 204 | 208 | 210 | 206 | 213 | 195 | 221 | 227 | 233 |
| 234 | 2 | F | 100 | 117 | 131 | 146 | 155 | 160 | 166 | 167 | 175 | 178 | 180 | 188 | 184 | 187 | 185 | 190 | 196 | 179 | 201 | 203 | 214 |
| 235 | 2 | F | 100 | 118 | 131 | 143 | 136 | 155 | 161 | 165 | 170 | 174 | 177 | 181 | 183 | 187 | 182 | 184 | 191 | 190 | 192 | 192 | 197 |
| 236 | 2 | F | 76 | 96 | 113 | 134 | 147 | 158 | 166 | 171 | 177 | 184 | 188 | 194 | 202 | 200 | 203 | 208 | 209 | 216 | 219 | 226 | 235 |
| 237 | 2 | F | 93 | 108 | 117 | 129 | 136 | 144 | 151 | 154 | 158 | 163 | 165 | 167 | 176 | 173 | 179 | 179 | 181 | 183 | 189 | 189 | 195 |
| 238 | 2 | F | 100 | 119 | 133 | 142 | 155 | 162 | 167 | 173 | 175 | 179 | 180 | 187 | 186 | 192 | 190 | 200 | 196 | 198 | 200 | 207 | 209 |
| 239 | 2 | F | 108 | 123 | 139 | 151 | 162 | 170 | 178 | 185 | 187 | 189 | 191 | 192 | 199 | 199 | 198 | 203 | 209 | 209 | 214 | 213 | 214 |
| 240 | 2 | F | 97 | 116 | 129 | 143 | 152 | 160 | 167 | 176 | 176 | 182 | 181 | 188 | 148 | 194 | 200 | 202 | 203 | 207 | 209 | 213 | 220 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
| 241 | 2 | F | 72 | 91 | 105 | 122 | 132 | 140 | 146 | 153 | 158 | 160 | 145 | 167 | 172 | 174 | 173 | 174 | 175 | 179 | 186 | 187 | 191 |
| 242 | 2 | F | 73 | 92 | 109 | 124 | 137 | 146 | 152 | 161 | 162 | 169 | 156 | 174 | 181 | 180 | 183 | 184 | 185 | 188 | 194 | 199 | 198 |
| 243 | 2 | F | 106 | 119 | 134 | 148 | 159 | 169 | 174 | 180 | 186 | 193 | 174 | 197 | 202 | 204 | 205 | 207 | 212 | 214 | 223 | 220 | 224 |
| 244 | 2 | F | 83 | 102 | 126 | 128 | 139 | 148 | 151 | 160 | 163 | 167 | 173 | 177 | 175 | 181 | 181 | 183 | 191 | 187 | 195 | 196 | 200 |
| 245 | 2 | F | 80 | 99 | 114 | 126 | 137 | 147 | 148 | 155 | 160 | 166 | 167 | 173 | 172 | 175 | 176 | 183 | 184 | 189 | 189 | 187 | 197 |
| 246 | 2 | F | 98 | 113 | 116 | 137 | 150 | 158 | 165 | 173 | 175 | 181 | 189 | 185 | 192 | 197 | 199 | 199 | 202 | 205 | 209 | 211 | 210 |
| 247 | 2 | F | 99 | 116 | 132 | 145 | 157 | 163 | 175 | 177 | 184 | 193 | 194 | 194 | 199 | 201 | 204 | 206 | 208 | 214 | 219 | 219 | 220 |
| 248 | 2 | F | 95 | 113 | 127 | 140 | 150 | 156 | 166 | 170 | 176 | 181 | 182 | 184 | 187 | 195 | 196 | 196 | 200 | 201 | 202 | 207 | 213 |
| 249 | 2 | F | 67 | 89 | 109 | 124 | 135 | 144 | 148 | 157 | 158 | 166 | 167 | 170 | 176 | 181 | 183 | 168 | 184 | 189 | 196 | 198 | 201 |
| 250 | 2 | F | 80 | 95 | 112 | 128 | 139 | 148 | 155 | 161 | 166 | 175 | 178 | 183 | 189 | 190 | 192 | 197 | 203 | 201 | 201 | 203 | 208 |
| 251 | 2 | F | 90 | 109 | 124 | 144 | 154 | 162 | 173 | 178 | 178 | 186 | 196 | 198 | 200 | 205 | 207 | 210 | 211 | 218 | 219 | 221 | 225 |
| 252 | 2 | F | 71 | 90 | 107 | 124 | 135 | 143 | 50 | 157 | 162 | 163 | 167 | 170 | 178 | 182 | 180 | 183 | 192 | 190 | 186 | 188 | 192 |
| 253 | 2 | F | 99 | 111 | 130 | 142 | 149 | 164 | 169 | 181 | 180 | 183 | 191 | 190 | 195 | 195 | 200 | 202 | 210 | 212 | 217 | 218 | 221 |
| 254 | 2 | F | 79 | 104 | 126 | 142 | 158 | 166 | 173 | 181 | 186 | 190 | 197 | 198 | 198 | 199 | 202 | 204 | 213 | 213 | 216 | 222 | 228 |
| 255 | 2 | F | 109 | 122 | 141 | 148 | 156 | 156 | 171 | 177 | 185 | 193 | 199 | 201 | 202 | 204 | 208 | 213 | 218 | 221 | 233 | 228 | 233 |
| 256 | 2 | F | 95 | 113 | 127 | 142 | 153 | 161 | 169 | 172 | 181 | 183 | 188 | 192 | 193 | 200 | 200 | 199 | 204 | 209 | 212 | 208 | 217 |
| 257 | 2 | F | 84 | 112 | 136 | 152 | 163 | 174 | 180 | 186 | 194 | 195 | 201 | 204 | 210 | 214 | 214 | 218 | 230 | 235 | 233 | 233 | 239 |
| 258 | 2 | F | 92 | 110 | 126 | 140 | 146 | 156 | 163 | 165 | 170 | 174 | 179 | 180 | 184 | 188 | 187 | 192 | 196 | 202 | 202 | 207 | 215 |
| 259 | 2 | F | 78 | 100 | 116 | 134 | 143 | 156 | 166 | 169 | 177 | 182 | 185 | 190 | 196 | 195 | 200 | 202 | 207 | 213 | 213 | 213 | 220 |
| 260 | 2 | F | 89 | 103 | 119 | 131 | 146 | 150 | 156 | 159 | 165 | 167 | 174 | 177 | 183 | 186 | 185 | 188 | 186 | 195 | 202 | 203 | 201 |
| 261 | 2 | F | 86 | 106 | 124 | 136 | 145 | 156 | 161 | 169 | 170 | 176 | 182 | 183 | 189 | 190 | 192 | 194 | 200 | 203 | 204 | 207 | 209 |
| 262 | 2 | F | 82 | 96 | 115 | 127 | 136 | 148 | 154 | 160 | 161 | 169 | 169 | 175 | 176 | 182 | 181 | 180 | 183 | 184 | 186 | 190 | 191 |
| 263 | 2 | F | 74 | 91 | 106 | 117 | 129 | 136 | 144 | 148 | 154 | 157 | 163 | 167 | 171 | 172 | 172 | 182 | 181 | 181 | 183 | 191 | 191 |
| 264 | 2 | F | 84 | 93 | 117 | 130 | 142 | 153 | 156 | 165 | 172 | 172 | 175 | 184 | 188 | 190 | 190 | 194 | 194 | 195 | 198 | 209 | 206 |
| 265 | 2 | F | 79 | 96 | 110 | 122 | 137 | 145 | 151 | 164 | 166 | 172 | 175 | 179 | 187 | 188 | 191 | 193 | 194 | 199 | 194 | 198 | 200 |
| 266 | 2 | F | 101 | 84 | 129 | 138 | 143 | 153 | 158 | 165 | 170 | 171 | 180 | 179 | 185 | 187 | 188 | 185 | 192 | 195 | 194 | 201 | 203 |
| 267 | 2 | F | 86 | 105 | 120 | 133 | 142 | 148 | 158 | 165 | 168 | 174 | 175 | 179 | 184 | 184 | 188 | 188 | 191 | 195 | 201 | 206 | 206 |
| 268 | 2 | F | 94 | 106 | 118 | 129 | 135 | 171 | 148 | 154 | 160 | 160 | 166 | 167 | 169 | 177 | 173 | 178 | 180 | 184 | 186 | 187 | 195 |
| 269 | 2 | F | 99 | 118 | 138 | 157 | 163 | 144 | 185 | 188 | 195 | 199 | 203 | 204 | 209 | 211 | 216 | 212 | 215 | 223 | 225 | 229 | 219 |
| 270 | 2 | F | 107 | 119 | 140 | 150 | 159 | 166 | 179 | 184 | 190 | 189 | 193 | 195 | 203 | 208 | 201 | 200 | 211 | 213 | 214 | 218 | 221 |
| 271 | 2 | F | 87 | 98 | 111 | 121 | 127 | 136 | 141 | 148 | 150 | 154 | 155 | 156 | 158 | 163 | 167 | 168 | 175 | 177 | 176 | 179 | 184 |
| 272 | 2 | F | 99 | 116 | 135 | 150 | 158 | 167 | 173 | 178 | 184 | 187 | 183 | 192 | 197 | 195 | 203 | 205 | 209 | 206 | 214 | 217 | 219 |
| 273 | 2 | F | 85 | 105 | 121 | 136 | 142 | 153 | 159 | 165 | 171 | 174 | 176 | 176 | 179 | 186 | 191 | 193 | 200 | 203 | 207 | 211 | 218 |
| 274 | 2 | F | 95 | 111 | 128 | 137 | 144 | 158 | 163 | 169 | 176 | 176 | 183 | 179 | 189 | 189 | 189 | 192 | 198 | 204 | 202 | 204 | 209 |
| 275 | 2 | F | 87 | 104 | 118 | 131 | 142 | 152 | 160 | 164 | 167 | 169 | 170 | 173 | 178 | 186 | 187 | 191 | 193 | 194 | 195 | 200 | 200 |
| 276 | 2 | F | 85 | 102 | 116 | 129 | 142 | 151 | 160 | 162 | 170 | 173 | 176 | 177 | 181 | 188 | 190 | 192 | 195 | 199 | 203 | 204 | 210 |
| 277 | 2 | F | 77 | 95 | 111 | 120 | 128 | 138 | 143 | 149 | 156 | 157 | 160 | 161 | 166 | 169 | 169 | 174 | 179 | 181 | 185 | 187 | 192 |
| 278 | 2 | F | 93 | 113 | 132 | 143 | 152 | 158 | 167 | 168 | 177 | 180 | 184 | 191 | 189 | 191 | 192 | 196 | 203 | 203 | 204 | 206 | 212 |
| 279 | 2 | F | 99 | 116 | 137 | 151 | 152 | 164 | 170 | 175 | 178 | 183 | 186 | 189 | 195 | 194 | 197 | 201 | 206 | 211 | 214 | 219 | 216 |
| 280 | 2 | F | 100 | 120 | 137 | 145 | 152 | 162 | 168 | 173 | 173 | 181 | 183 | 184 | 194 | 192 | 200 | 195 | 200 | 205 | 209 | 212 | 218 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 281 | 2 | F | 114 | 131 | 146 | 148 | 158 | 166 | 171 | 178 | 181 | 185 | 191 | 195 | 197 | 201 | 199 | 198 | 204 | 210 | 212 | 214 | 217 |
| 282 | 2 | F | 78 | 100 | 116 | 128 | 184 | 145 | 153 | 161 | 164 | 169 | 170 | 170 | 179 | 184 | 186 | 180 | 187 | 189 | 200 | 203 | 202 |
| 283 | 2 | F | 81 | 100 | 119 | 130 | 137 | 148 | 157 | 161 | 170 | 168 | 177 | 182 | 182 | 186 | 190 | 191 | 196 | 202 | 196 | 196 | 205 |
| 284 | 2 | F | 108 | 122 | 136 | 144 | 152 | 166 | 168 | 179 | 179 | 186 | 188 | 190 | 194 | 197 | 201 | 199 | 206 | 211 | 217 | 216 | 224 |
| 285 | 2 | F | 82 | 94 | 110 | 122 | 129 | 141 | 147 | 155 | 157 | 162 | 167 | 170 | 171 | 171 | 178 | 177 | 182 | 186 | 186 | 193 | 194 |
| 286 | 2 | F | 91 | 98 | 119 | 132 | 137 | 151 | 160 | 168 | 168 | 172 | 173 | 179 | 184 | 182 | 189 | 188 | 191 | 196 | 193 | 200 | 206 |
| 287 | 2 | F | 103 | 110 | 131 | 144 | 152 | 162 | 167 | 170 | 177 | 184 | 184 | 187 | 192 | 184 | 198 | 203 | 207 | 207 | 211 | 217 | 217 |
| 288 | 2 | F | 82 | 90 | 113 | 127 | 138 | 151 | 163 | 176 | 176 | 176 | 184 | 185 | 189 | 177 | 190 | 194 | 202 | 200 | 199 | 199 | 202 |
| 289 | 2 | F | 70 | 90 | 107 | 120 | 129 | 142 | 150 | 159 | 167 | 174 | 175 | 176 | 185 | 187 | 190 | 195 | 198 | 203 | 198 | 208 | 213 |
| 290 | 2 | F | 66 | 85 | 101 | 114 | 123 | 139 | 144 | 152 | 156 | 161 | 164 | 167 | 170 | 176 | 178 | 180 | 182 | 188 | 191 | 193 | 200 |
| 291 | 2 | F | 89 | 106 | 117 | 132 | 139 | 148 | 151 | 155 | 159 | 165 | 167 | 170 | 173 | 175 | 179 | 180 | 182 | 188 | 187 | 189 | 195 |
| 292 | 2 | F | 107 | 120 | 132 | 142 | 153 | 159 | 166 | 169 | 173 | 176 | 176 | 180 | 188 | 187 | 190 | 195 | 197 | 199 | 206 | 202 | 211 |
| 293 | 2 | F | 66 | 84 | 102 | 118 | 131 | 136 | 146 | 149 | 154 | 161 | 162 | 165 | 168 | 172 | 174 | 182 | 183 | 185 | 188 | 187 | 196 |
| 294 | 2 | F | 86 | 99 | 116 | 124 | 131 | 136 | 140 | 143 | 149 | 149 | 154 | 152 | 160 | 162 | 163 | 163 | 166 | 169 | 172 | 176 | 179 |
| 295 | 2 | F | 102 | 117 | 128 | 136 | 147 | 155 | 158 | 163 | 163 | 167 | 167 | 174 | 179 | 176 | 180 | 182 | 186 | 187 | 191 | 192 | 198 |
| 296 | 2 | F | 86 | 106 | 124 | 136 | 147 | 155 | 160 | 172 | 174 | 182 | 182 | 186 | 195 | 195 | 196 | 199 | 208 | 210 | 214 | 212 | 214 |
| 297 | 2 | F | 92 | 110 | 130 | 137 | 149 | 154 | 163 | 164 | 172 | 177 | 175 | 181 | 179 | 181 | 182 | 189 | 193 | 191 | 195 | 202 | 208 |
| 298 | 2 | F | 65 | 86 | 103 | 118 | 132 | 145 | 150 | 156 | 158 | 164 | 165 | 174 | 174 | 180 | 174 | 185 | 187 | 195 | 198 | 198 | 204 |
| 299 | 2 | F | 82 | 98 | 116 | 125 | 133 | 140 | 147 | 148 | 154 | 155 | 162 | 165 | 170 | 174 | 177 | 178 | 184 | --- | --- | --- | --- |
| 300 | 2 | F | 92 | 105 | 119 | 128 | 138 | 143 | 150 | 153 | 158 | 160 | 163 | 166 | 172 | 172 | 172 | 174 | 177 | 180 | 180 | 181 | 185 |
| 301 | 3 | M | 107 | 133 | 160 | 192 | 212 | 232 | 252 | 266 | 276 | 289 | 296 | 316 | 327 | 335 | 347 | 354 | 365 | 377 | 384 | 392 | 398 |
| 302 | 3 | M | 94 | 118 | 147 | 178 | 194 | 214 | 227 | 238 | 248 | 263 | 274 | 288 | 298 | 305 | 304 | 317 | 324 | 332 | 340 | 342 | 351 |
| 303 | 3 | M | 109 | 136 | 163 | 196 | 215 | 236 | 254 | 264 | 272 | 290 | 301 | 310 | 317 | 322 | 329 | 339 | 349 | 347 | 359 | 364 | 372 |
| 304 | 3 | M | 108 | 129 | 150 | 180 | 194 | 217 | 233 | 243 | 253 | 267 | 276 | 292 | 300 | 305 | 310 | 316 | 335 | 344 | 349 | 365 | 372 |
| 305 | 3 | M | 86 | 114 | 143 | 183 | 204 | 222 | 242 | 256 | 268 | 279 | 293 | 302 | 313 | 321 | 326 | 332 | 344 | 351 | 364 | 372 | 380 |
| 306 | 3 | M | 77 | 103 | 124 | 151 | 168 | 188 | 210 | 222 | 235 | 245 | 258 | 270 | 274 | 284 | 292 | 306 | 323 | 330 | 345 | 356 | 364 |
| 307 | 3 | M | 104 | 133 | 168 | 200 | 222 | 244 | 265 | 279 | 288 | 299 | 311 | 314 | 316 | 328 | 336 | 345 | 367 | 369 | 382 | 384 | 393 |
| 308 | 3 | M | 124 | 155 | 195 | 226 | 246 | 269 | 283 | 297 | 309 | 322 | 332 | 342 | 343 | 349 | 362 | 375 | 376 | 386 | 384 | 400 | 404 |
| 309 | 3 | M | 101 | 129 | 165 | 205 | 223 | 249 | 266 | 282 | 297 | 312 | 323 | 329 | 332 | 340 | 347 | 359 | 372 | 380 | 386 | 391 | 408 |
| 310 | 3 | M | 90 | 118 | 150 | 187 | 211 | 230 | 245 | 255 | 268 | 276 | 289 | 295 | 300 | 310 | 300 | 331 | 341 | 345 | 362 | 367 | 375 |
| 311 | 3 | M | 87 | 112 | 134 | 163 | 181 | 201 | 217 | 231 | 244 | 251 | 266 | 277 | 284 | 290 | 318 | 313 | 324 | 315 | 343 | 347 | 359 |
| 312 | 3 | M | 82 | 111 | 143 | 183 | 211 | 227 | 247 | 258 | 278 | 285 | 298 | 305 | 312 | 321 | 330 | 342 | 349 | 359 | 361 | 361 | 372 |
| 313 | 3 | M | 111 | 134 | 171 | 202 | 224 | 245 | 266 | 280 | 296 | 305 | 317 | 327 | 338 | 344 | 351 | 359 | 374 | 370 | 380 | 388 | 400 |
| 314 | 3 | M | 73 | 95 | 122 | 158 | 185 | 210 | 231 | 246 | 257 | 264 | 278 | 286 | 299 | 304 | 316 | 325 | 339 | 342 | 346 | 358 | 365 |
| 315 | 3 | M | 131 | 160 | 196 | 233 | 257 | 275 | 288 | 304 | 319 | 327 | 333 | 343 | 352 | 359 | 364 | 374 | 381 | 394 | 404 | 407 | 414 |
| 316 | 3 | M | 85 | 113 | 144 | 179 | 202 | 222 | 236 | 250 | 264 | 274 | 284 | 293 | 303 | 310 | 317 | 329 | 337 | 344 | 352 | 359 | 365 |
| 317 | 3 | M | 126 | 151 | 187 | 220 | 247 | 270 | 288 | 304 | 314 | 327 | 341 | 347 | 358 | 365 | 370 | 370 | 396 | 403 | 413 | 421 | 431 |
| 318 | 3 | M | 97 | 123 | 152 | 188 | 213 | 230 | 248 | 261 | 274 | 281 | 291 | 302 | 307 | 313 | 318 | 330 | 345 | 352 | 360 | 368 | 385 |
| 319 | 3 | M | 110 | 134 | 171 | 203 | 224 | 240 | 254 | 267 | 284 | 295 | 305 | 316 | 326 | 334 | 342 | 354 | 369 | 375 | 392 | 399 | 405 |
| 320 | 3 | M | 91 | 117 | 146 | 182 | 208 | 227 | 245 | 256 | 272 | 283 | 288 | 300 | 307 | 310 | 318 | 331 | 343 | 353 | 362 | 360 | 373 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 321 | 3 | M | 113 | 141 | 174 | 203 | 224 | 240 | 259 | 277 | 286 | 302 | 308 | 315 | 325 | 335 | 342 | 355 | 363 | 380 | 385 | 390 | 402 |
| 322 | 3 | M | 106 | 131 | 159 | 190 | 215 | 238 | 253 | 265 | 278 | 287 | 289 | 316 | 322 | 331 | 341 | 356 | 367 | 373 | 385 | 386 | 394 |
| 323 | 3 | M | 94 | 119 | 150 | 183 | 206 | 228 | 241 | 255 | 271 | 282 | 295 | 303 | 320 | 322 | 332 | 341 | 346 | 362 | 375 | 377 | 385 |
| 324 | 3 | M | 94 | 121 | 153 | 186 | 215 | 236 | 251 | 264 | 285 | 256 | 307 | 315 | 324 | 330 | 339 | 351 | 365 | 362 | 376 | 390 | 394 |
| 325 | 3 | M | 110 | 137 | 176 | 210 | 233 | 248 | 267 | 278 | 291 | 300 | 310 | 317 | 327 | 333 | 338 | 348 | 362 | 366 | 378 | 391 | 395 |
| 326 | 3 | M | 109 | 137 | 170 | 204 | 224 | 248 | 264 | 276 | 288 | 300 | 315 | 316 | 324 | 336 | 344 | 348 | 354 | 367 | 374 | 381 | 392 |
| 327 | 3 | M | 114 | 144 | 177 | 208 | 232 | 248 | 264 | 278 | 289 | 300 | 305 | 311 | 321 | 325 | 328 | 333 | 348 | 359 | 365 | 370 | 376 |
| 328 | 3 | M | 111 | 135 | 157 | 179 | 194 | 210 | 216 | 229 | 245 | 263 | 279 | 289 | 304 | 308 | 320 | 330 | 347 | 356 | 369 | 370 | 381 |
| 329 | 3 | M | 113 | 108 | 179 | 211 | 233 | 256 | 269 | 283 | 293 | 307 | 318 | 328 | 344 | 351 | 358 | 368 | 380 | 385 | 398 | 399 | 407 |
| 330 | 3 | M | 122 | 145 | 186 | 216 | 235 | 255 | 270 | 283 | 295 | 309 | 315 | 330 | 338 | 349 | 354 | 358 | 373 | 382 | 396 | 404 | 404 |
| 331 | 3 | M | 116 | 136 | 175 | 200 | 224 | 244 | 258 | 267 | 281 | 291 | 303 | 311 | 319 | 321 | 333 | 344 | 351 | 361 | 364 | 378 | 376 |
| 332 | 3 | M | 111 | 138 | 173 | 208 | 232 | 251 | 266 | 283 | 297 | 306 | 317 | 328 | 334 | 339 | 344 | 353 | 365 | 379 | 395 | 393 | 395 |
| 333 | 3 | M | 124 | 154 | 190 | 223 | 246 | 270 | 288 | 301 | 310 | 328 | 339 | 343 | 351 | 360 | 365 | 376 | 387 | 394 | 411 | 417 | 415 |
| 334 | 3 | M | 122 | 144 | 176 | 210 | 234 | 253 | 271 | 286 | 294 | 304 | 326 | 329 | 339 | 345 | 358 | 365 | 381 | 384 | 392 | 402 | 406 |
| 335 | 3 | M | 110 | 132 | 164 | 198 | 219 | 239 | 257 | 274 | 282 | 298 | 307 | 317 | 322 | 334 | 340 | 348 | 359 | 367 | 377 | 382 | 380 |
| 336 | 3 | M | 110 | 136 | 173 | 204 | 227 | 248 | 268 | 276 | 289 | 308 | 318 | 323 | 331 | 342 | 344 | 354 | 369 | 374 | 388 | 397 | 394 |
| 337 | 3 | M | 113 | 139 | 177 | 203 | 225 | 244 | 259 | 273 | 284 | 297 | 302 | 304 | 314 | 317 | 323 | 327 | 340 | 346 | 358 | 365 | 374 |
| 338 | 3 | M | 126 | 152 | 187 | 219 | 240 | 262 | 277 | 289 | 303 | 318 | 326 | 331 | 340 | 355 | 362 | 363 | 380 | 390 | 397 | 409 | 420 |
| 339 | 3 | M | 141 | 167 | 208 | 234 | 257 | 276 | 292 | 306 | 318 | 334 | 345 | 350 | 351 | 362 | 366 | 374 | 394 | 403 | 408 | 414 | 423 |
| 340 | 3 | M | 100 | 127 | 162 | 188 | 216 | 232 | 244 | 258 | 268 | 278 | 287 | 292 | 299 | 306 | 310 | 319 | 327 | 334 | 337 | 348 | 356 |
| 341 | 3 | M | 85 | 112 | 148 | 180 | 209 | 233 | 252 | 265 | 279 | 288 | 301 | 315 | 324 | 334 | 339 | 345 | 357 | 368 | 374 | 384 | 402 |
| 342 | 3 | M | 105 | 136 | 176 | 205 | 236 | 257 | 276 | 289 | 305 | 320 | 329 | 333 | 346 | 357 | 365 | 374 | 391 | 403 | 409 | 418 | 428 |
| 343 | 3 | M | 92 | 119 | 148 | 180 | 209 | 237 | 250 | 264 | 276 | 293 | 306 | 320 | 321 | 339 | 348 | 356 | 368 | 379 | 391 | 393 | 401 |
| 344 | 3 | M | 87 | 104 | 132 | 163 | 193 | 218 | 235 | 246 | 264 | 268 | 281 | 292 | 297 | 311 | 320 | 327 | 340 | 344 | 356 | 363 | 372 |
| 345 | 3 | M | 96 | 125 | 155 | 186 | 214 | 239 | 252 | 265 | 276 | 290 | 298 | 309 | 311 | 323 | 333 | 339 | 355 | 355 | 370 | 379 | 385 |
| 346 | 3 | M | 113 | 139 | 176 | 201 | 219 | 233 | 252 | 265 | 271 | 294 | 311 | 318 | 324 | 328 | 335 | 347 | 360 | 365 | 374 | 382 | 391 |
| 347 | 3 | M | 112 | 140 | 176 | 203 | 222 | 244 | 265 | 281 | 290 | 306 | 317 | 322 | 332 | 336 | 344 | 355 | 363 | 373 | 384 | 396 | 405 |
| 348 | 3 | M | 113 | 132 | 160 | 182 | 207 | 241 | 247 | 260 | 277 | 290 | 302 | 308 | 314 | 320 | 334 | 345 | 354 | 365 | 376 | 388 | 393 |
| 349 | 3 | M | 107 | 155 | 179 | 203 | 230 | 256 | 272 | 286 | 297 | 309 | 319 | 325 | 335 | 346 | 349 | 357 | 367 | 380 | 386 | 389 | 394 |
| 350 | 3 | M | 121 | 140 | 195 | 219 | 237 | 257 | 273 | 286 | 300 | 306 | 316 | 320 | 330 | 344 | 352 | 358 | 370 | 376 | 385 | 390 | 399 |
| 351 | 3 | M | 109 | 140 | 171 | 197 | 217 | 240 | 260 | 275 | 283 | 297 | 305 | 314 | 325 | 333 | 342 | 351 | 372 | 379 | 386 | --- | 407 |
| 352 | 3 | M | 99 | 127 | 163 | 196 | 223 | 242 | 256 | 270 | 282 | 299 | 305 | 309 | 320 | 328 | 336 | 342 | 360 | 371 | 389 | 390 | 393 |
| 353 | 3 | M | 118 | 142 | 173 | 203 | 232 | 247 | 260 | 278 | 290 | 304 | 313 | 319 | 328 | 337 | 352 | 363 | 377 | 388 | 398 | 405 | 414 |
| 354 | 3 | M | 97 | 130 | 168 | 200 | 228 | 250 | 269 | 280 | 295 | 310 | 319 | 323 | 338 | 342 | 354 | 362 | 373 | 384 | 388 | 402 | 404 |
| 355 | 3 | M | 100 | 127 | 162 | 190 | 222 | 241 | 259 | 276 | 289 | 302 | 312 | 320 | 328 | 336 | 342 | 351 | 358 | 377 | 381 | 389 | 396 |
| 356 | 3 | M | 130 | 158 | 192 | 208 | 234 | 246 | 263 | 274 | 285 | 294 | 303 | 311 | 318 | 323 | 334 | 336 | 344 | 356 | 357 | 365 | 373 |
| 357 | 3 | M | 109 | 135 | 167 | 194 | 217 | 236 | 253 | 264 | 273 | 281 | 290 | 294 | 300 | 306 | 310 | 317 | 326 | 334 | 338 | 347 | 350 |
| 358 | 3 | M | 73 | 98 | 124 | 146 | 177 | 195 | 210 | 233 | 248 | 260 | 272 | 279 | 289 | 303 | 314 | 329 | 338 | 352 | 359 | 369 | 375 |
| 359 | 3 | M | 99 | 129 | 160 | 189 | 219 | 242 | 259 | 276 | 295 | 305 | 316 | 328 | 333 | 342 | 351 | 360 | 370 | 377 | 396 | 399 | 414 |
| 360 | 3 | M | 108 | 133 | 164 | 193 | 216 | 235 | 245 | 264 | 278 | 290 | 296 | 304 | 316 | 322 | 326 | 333 | 348 | 358 | 363 | 375 | 381 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 361 | 3 | M | 89 | 120 | 152 | 182 | 213 | 232 | 249 | 266 | 278 | 290 | 302 | 314 | 322 | 334 | 329 | 337 | 355 | 366 | 381 | 388 | 390 |
| 362 | 3 | M | 93 | 123 | 155 | 189 | 219 | 244 | 262 | 279 | 296 | 307 | 326 | 334 | 343 | 353 | 354 | 367 | 373 | 386 | 394 | 402 | 408 |
| 363 | 3 | M | 115 | 136 | 172 | 197 | 224 | 242 | 255 | 266 | 278 | 292 | 299 | 308 | 314 | 322 | 330 | 336 | 350 | 357 | 370 | 382 | 387 |
| 364 | 3 | M | 127 | 143 | 187 | 211 | 231 | 251 | 262 | 273 | 279 | 290 | 298 | 307 | 309 | 321 | 322 | 330 | 342 | 350 | 358 | 357 | 367 |
| 365 | 3 | M | 100 | 118 | 161 | 190 | 217 | 233 | 248 | 257 | 272 | 281 | 289 | 304 | 309 | 322 | 345 | 328 | 351 | 361 | 368 | 380 | 388 |
| 366 | 3 | M | 93 | 113 | 157 | 187 | 219 | 242 | 266 | 278 | 293 | 303 | 319 | 327 | 334 | 344 | 352 | 364 | 379 | 386 | 402 | 408 | 418 |
| 367 | 3 | M | 105 | 128 | 160 | 180 | 203 | 217 | 230 | 237 | 249 | 256 | 271 | 276 | 282 | 290 | 298 | 305 | 318 | 329 | 332 | 343 | 351 |
| 368 | 3 | M | 85 | 108 | 133 | 158 | 195 | 222 | 245 | 261 | 278 | 290 | 302 | 310 | 322 | 337 | 344 | 355 | 367 | 374 | 385 | 396 | 396 |
| 369 | 3 | M | 107 | 136 | 171 | 196 | 220 | 244 | 256 | 270 | 286 | 292 | 306 | 316 | 326 | 330 | 334 | 344 | 356 | 361 | 376 | 386 | 382 |
| 370 | 3 | M | 80 | 108 | 139 | 166 | 199 | 221 | 237 | 251 | 264 | 278 | 288 | 292 | 308 | 322 | 330 | 338 | 353 | 359 | 367 | 376 | 381 |
| 371 | 3 | M | 110 | 136 | 170 | 191 | 210 | 229 | 235 | 256 | 263 | 276 | 282 | 289 | 305 | 311 | 315 | 322 | 327 | 341 | 353 | 364 | 362 |
| 372 | 3 | M | 85 | 114 | 146 | 181 | 208 | 230 | 247 | 260 | 272 | 281 | 291 | 300 | 306 | 317 | 323 | 328 | 347 | 357 | 370 | 380 | 384 |
| 373 | 3 | M | 84 | 111 | 146 | 177 | 205 | 230 | 246 | 259 | 271 | 284 | 292 | 301 | 309 | 322 | 331 | 336 | 346 | 356 | 362 | 375 | 373 |
| 374 | 3 | M | 97 | 121 | 143 | 165 | 191 | 211 | 226 | 242 | 254 | 267 | 282 | 290 | 298 | 313 | 322 | 330 | 348 | 354 | 356 | 363 | 371 |
| 375 | 3 | M | 91 | 118 | 149 | 179 | 210 | 234 | 250 | 265 | 277 | 289 | 299 | 304 | 313 | 326 | 336 | 346 | 360 | 367 | 367 | 387 | 388 |
| 376 | 3 | F | 90 | 93 | 110 | 129 | 140 | 148 | 155 | 158 | 167 | 167 | 173 | 174 | 178 | 178 | 179 | 178 | 187 | 188 | 189 | 191 | 192 |
| 377 | 3 | F | 90 | 106 | 124 | 137 | 148 | 152 | 159 | 167 | 163 | 160 | 174 | 183 | 184 | 184 | 190 | 193 | 194 | 198 | 197 | 205 | 208 |
| 378 | 3 | F | 74 | 106 | 119 | 132 | 140 | 143 | 150 | 157 | 160 | 176 | 169 | 172 | 173 | 174 | 173 | 180 | 182 | 183 | 183 | 185 | 197 |
| 379 | 3 | F | 97 | 112 | 131 | 145 | 154 | 164 | 168 | 180 | 182 | 187 | 185 | 196 | 194 | 197 | 192 | 200 | 204 | 205 | 187 | 208 | 215 |
| 380 | 3 | F | 75 | 94 | 109 | 127 | 137 | 146 | 155 | 159 | 168 | 173 | 173 | 180 | 184 | 185 | 186 | 187 | 189 | 191 | 180 | 201 | 203 |
| 381 | 3 | F | 79 | 98 | 112 | 131 | 135 | 143 | 150 | 156 | 164 | 165 | 170 | 178 | 177 | 181 | 180 | 187 | 190 | 189 | 177 | 193 | 198 |
| 382 | 3 | F | 100 | 115 | 126 | 138 | 147 | 156 | 163 | 169 | 171 | 176 | 178 | 176 | 182 | 182 | 182 | 188 | 191 | 193 | 196 | 194 | 196 |
| 383 | 3 | F | 74 | 98 | 118 | 137 | 148 | 159 | 171 | 178 | 182 | 186 | 191 | 194 | 197 | 204 | 197 | 204 | 209 | 210 | 213 | 215 | 218 |
| 384 | 3 | F | 100 | 116 | 136 | 151 | 159 | 169 | 175 | 184 | 186 | 193 | 194 | 192 | 198 | 194 | 196 | 198 | 205 | 206 | 210 | 214 | 215 |
| 385 | 3 | F | 85 | 99 | 111 | 125 | 130 | 140 | 146 | 152 | 154 | 158 | 166 | 162 | 169 | 172 | 168 | 176 | 166 | 183 | 187 | 186 | 188 |
| 386 | 3 | F | 70 | 88 | 101 | 117 | 123 | 134 | 138 | 148 | 153 | 157 | 161 | 162 | 163 | 167 | 170 | 168 | 160 | 177 | 176 | 180 | 185 |
| 387 | 3 | F | 64 | 83 | 97 | 109 | 118 | 127 | 132 | 141 | 144 | 145 | 152 | 154 | 156 | 160 | 159 | 168 | 167 | 172 | 180 | 180 | 184 |
| 388 | 3 | F | 102 | 114 | 126 | 138 | 146 | 150 | 156 | 158 | 166 | 171 | 174 | 180 | 180 | 182 | 185 | 185 | 187 | 185 | 191 | 193 | 201 |
| 389 | 3 | F | 90 | 104 | 120 | 134 | 139 | 150 | 152 | 158 | 158 | 166 | 167 | 170 | 171 | 173 | 175 | 181 | 181 | 181 | 184 | 190 | 191 |
| 390 | 3 | F | 84 | 99 | 115 | 130 | 140 | 150 | 156 | 163 | 165 | 170 | 174 | 179 | 184 | 188 | 190 | 194 | 194 | 198 | 204 | 206 | 213 |
| 391 | 3 | F | 80 | 98 | 112 | 126 | 138 | 147 | 156 | 158 | 165 | 171 | 174 | 170 | 179 | 186 | 189 | 194 | 196 | 197 | 200 | 206 | 209 |
| 392 | 3 | F | 75 | 89 | 102 | 117 | 124 | 133 | 138 | 145 | 150 | 154 | 157 | 152 | 161 | 166 | 167 | 171 | 174 | 177 | 182 | 186 | 190 |
| 393 | 3 | F | 104 | 119 | 132 | 146 | 153 | 162 | 170 | 173 | 182 | 185 | 189 | 193 | 196 | 199 | 198 | 205 | 203 | 209 | 207 | 211 | 218 |
| 394 | 3 | F | 75 | 96 | 116 | 134 | 142 | 154 | 159 | 170 | 170 | 176 | 184 | 189 | 188 | 190 | 192 | 197 | 199 | 199 | 206 | 206 | 210 |
| 395 | 3 | F | 88 | 104 | 118 | 137 | 144 | 154 | 160 | 167 | 176 | 177 | 183 | 186 | 186 | 192 | 194 | 196 | 197 | 203 | 205 | 207 | 211 |
| 396 | 3 | F | 72 | 90 | 105 | 122 | 132 | 142 | 145 | 155 | 148 | 162 | 167 | 167 | 175 | 173 | 178 | 181 | 188 | 192 | 194 | 195 | 199 |
| 397 | 3 | F | 98 | 112 | 130 | 140 | 150 | 158 | 164 | 172 | 177 | 181 | 187 | 186 | 187 | 192 | 193 | 200 | 201 | 204 | 205 | 211 | 216 |
| 398 | 3 | F | 98 | 116 | 134 | 148 | 159 | 168 | 175 | 182 | 185 | 189 | 190 | 194 | 197 | 200 | 202 | 205 | 209 | 209 | 217 | 220 | 224 |
| 399 | 3 | F | 102 | 115 | 124 | 134 | 141 | 148 | 153 | 158 | 164 | 164 | 169 | 170 | 174 | 179 | 174 | 180 | 184 | 185 | 191 | 191 | 194 |
| 400 | 3 | F | 77 | 94 | 105 | 118 | 127 | 137 | 142 | 146 | 151 | 152 | 156 | 159 | 159 | 167 | 163 | 167 | 171 | 172 | 174 | 176 | 179 |

--- - NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 3 | F | 95 | 108 | 124 | 135 | 146 | 153 | 161 | 166 | 173 | 179 | 178 | 185 | 186 | 189 | 186 | 187 | 192 | 193 | 194 | 197 | 199 |
| 402 | 3 | F | 96 | 112 | 132 | 147 | 152 | 157 | 165 | 175 | 180 | 186 | 193 | 194 | 198 | 200 | 203 | 204 | 210 | 214 | 217 | 224 | 222 |
| 403 | 3 | F | 101 | 119 | 133 | 150 | 157 | 164 | 170 | 177 | 180 | 189 | 188 | 192 | 193 | 199 | 198 | 206 | 203 | 203 | 205 | 205 | 215 |
| 404 | 3 | F | 79 | 96 | 117 | 134 | 148 | 158 | 168 | 174 | 178 | 186 | 191 | 188 | 196 | 195 | 200 | 205 | 208 | 210 | 214 | 218 | 222 |
| 405 | 3 | F | 82 | 101 | 115 | 135 | 143 | 151 | 157 | 162 | 168 | 175 | 179 | 182 | 187 | 186 | 190 | 197 | 200 | 203 | 208 | 214 | 215 |
| 406 | 3 | F | 97 | 110 | 132 | 145 | 150 | 155 | 159 | 163 | 168 | 174 | 179 | 183 | 188 | 188 | 189 | 192 | 193 | 197 | 203 | 199 | 203 |
| 407 | 3 | F | 94 | 113 | 132 | 150 | 160 | 166 | 175 | 183 | 191 | 194 | 198 | 201 | 204 | 203 | 206 | 206 | 210 | 210 | 219 | 224 | 228 |
| 408 | 3 | F | 100 | 113 | 127 | 144 | 150 | 155 | 162 | 169 | 175 | 180 | 186 | 194 | 196 | 199 | 199 | 199 | 206 | 210 | 214 | 214 | 222 |
| 409 | 3 | F | 99 | 116 | 132 | 146 | 156 | 163 | 169 | 181 | 182 | 186 | 179 | 193 | 202 | 202 | 206 | 207 | 212 | 215 | 217 | 222 | 224 |
| 410 | 3 | F | 86 | 99 | 117 | 127 | 138 | 149 | 153 | 162 | 165 | 171 | 164 | 176 | 186 | 187 | 188 | 189 | 193 | 198 | 198 | 200 | 204 |
| 411 | 3 | F | 85 | 100 | 119 | 132 | 141 | 149 | 155 | 158 | 165 | 168 | 162 | 175 | 177 | 183 | 182 | 182 | 187 | 188 | 189 | 189 | 194 |
| 412 | 3 | F | 79 | 93 | 107 | 117 | 127 | 137 | 145 | 147 | 155 | 156 | 161 | 165 | 166 | 169 | 173 | 175 | 178 | 180 | 184 | 189 | 192 |
| 413 | 3 | F | 75 | 96 | 112 | 125 | 137 | 141 | 154 | 162 | 166 | 171 | 174 | 178 | 181 | 184 | 187 | 190 | 197 | 199 | 204 | 204 | 203 |
| 414 | 3 | F | 66 | 85 | 103 | 122 | 134 | 147 | 148 | 152 | 158 | 166 | 168 | 172 | 175 | 180 | 181 | 181 | 186 | 185 | 190 | 195 | 211 |
| 415 | 3 | F | 68 | 88 | 105 | 121 | 136 | 144 | 151 | 160 | 165 | 168 | 174 | 179 | 187 | 188 | 188 | 189 | 198 | 195 | 207 | 203 | 207 |
| 416 | 3 | F | 106 | 119 | 130 | 141 | 149 | 159 | 166 | 171 | 177 | 180 | 186 | 188 | 193 | 197 | 196 | 202 | 209 | 213 | 211 | 217 | 222 |
| 417 | 3 | F | 80 | 100 | 115 | 136 | 148 | 155 | 163 | 170 | 178 | 182 | 185 | 190 | 193 | 196 | 198 | 201 | 203 | 206 | 203 | 207 | 209 |
| 418 | 3 | F | 82 | 100 | 118 | 132 | 146 | 148 | 159 | 170 | 170 | 176 | 178 | 182 | 187 | 189 | 193 | 197 | 201 | 202 | 208 | 206 | 208 |
| 419 | 3 | F | 107 | 122 | 139 | 147 | 157 | 160 | 167 | 177 | 178 | 182 | 182 | 190 | 195 | 194 | 194 | 197 | 197 | 200 | 206 | 206 | 210 |
| 420 | 3 | F | 83 | 106 | 124 | 139 | 153 | 161 | 170 | 181 | 183 | 186 | 188 | 195 | 201 | 206 | 205 | 211 | 215 | 219 | 223 | 228 | 226 |
| 421 | 3 | F | 93 | 112 | 131 | 142 | 154 | 164 | 169 | 181 | 185 | 190 | 190 | 193 | 198 | 201 | 204 | 202 | 213 | 214 | 220 | 196 | 207 |
| 422 | 3 | F | 93 | 107 | 121 | 133 | 142 | 149 | 152 | 164 | 164 | 169 | 172 | 180 | 181 | 184 | 188 | 191 | 196 | 194 | 203 | 194 | 207 |
| 423 | 3 | F | 102 | 115 | 132 | 139 | 153 | 159 | 162 | 173 | 171 | 178 | 182 | 186 | 189 | 187 | 189 | 191 | 194 | 198 | 206 | 196 | 221 |
| 424 | 3 | F | 94 | 115 | 132 | 147 | 161 | 167 | 172 | 182 | 187 | 192 | 199 | 204 | 206 | 204 | 208 | 210 | 214 | 217 | 226 | 224 | 237 |
| 425 | 3 | F | 73 | 94 | 110 | 125 | 132 | 142 | 147 | 156 | 157 | 162 | 167 | 172 | 173 | 178 | 178 | 180 | 186 | 189 | 197 | 195 | 200 |
| 426 | 3 | F | 100 | 115 | 126 | 135 | 147 | 151 | 156 | 165 | 166 | 171 | 176 | 176 | 180 | 181 | 185 | 188 | 190 | 197 | 200 | 204 | 208 |
| 427 | 3 | F | 93 | 111 | 125 | 138 | 148 | 160 | 164 | 169 | 176 | 179 | 182 | 184 | 147 | 191 | 192 | 190 | 194 | 197 | 203 | 195 | 203 |
| 428 | 3 | F | 101 | 118 | 136 | 145 | 162 | 171 | 176 | 183 | 188 | 197 | 199 | 203 | 207 | 209 | 213 | 207 | 213 | 215 | 226 | 223 | 230 |
| 429 | 3 | F | 72 | 90 | 107 | 124 | 136 | 149 | 152 | 155 | 160 | 162 | 168 | 169 | 175 | 182 | 180 | 184 | 192 | 191 | 200 | 200 | 204 |
| 430 | 3 | F | 82 | 98 | 113 | 129 | 141 | 149 | 156 | 166 | 167 | 162 | 179 | 180 | 179 | 135 | 185 | 185 | 188 | 195 | 192 | 195 | 198 |
| 431 | 3 | F | 101 | 120 | 135 | 147 | 160 | 163 | 167 | 175 | 180 | 190 | 192 | 199 | 196 | 200 | 201 | 199 | 206 | 209 | 213 | 218 | 217 |
| 432 | 3 | F | 92 | 109 | 125 | 136 | 152 | 158 | 165 | 171 | 175 | 181 | 183 | 187 | 192 | 192 | 197 | 194 | 195 | 203 | 208 | 208 | 211 |
| 433 | 3 | F | 95 | 112 | 128 | 141 | 151 | 157 | 162 | 167 | 176 | 181 | 181 | 185 | 189 | 191 | 191 | 177 | 200 | 206 | 204 | 205 | 211 |
| 434 | 3 | F | 61 | 80 | 93 | 111 | 124 | 132 | 136 | 146 | 151 | 160 | 161 | 167 | 168 | 174 | 172 | 159 | 182 | 186 | 184 | 186 | 188 |
| 435 | 3 | F | 106 | 119 | 134 | 149 | 159 | 164 | 167 | 176 | 183 | 184 | 189 | 191 | 193 | 200 | 199 | 185 | 203 | 209 | 209 | 209 | 216 |
| 436 | 3 | F | 85 | 104 | 122 | 136 | 146 | 155 | 157 | 166 | 167 | 174 | 174 | 179 | 181 | 186 | 185 | 180 | 191 | 195 | 195 | 199 | 201 |
| 437 | 3 | F | 105 | 120 | 131 | 146 | 155 | 161 | 166 | 168 | 176 | 177 | 186 | 186 | 182 | 187 | 190 | 192 | 198 | 202 | 202 | 200 | 207 |
| 438 | 3 | F | 86 | 102 | 119 | 132 | 144 | 152 | 157 | 164 | 166 | 170 | 174 | 176 | 180 | 182 | 186 | 185 | 195 | 197 | 202 | 204 | 208 |
| 439 | 3 | F | 79 | 95 | 108 | 119 | 133 | 141 | 144 | 152 | 156 | 159 | 164 | 180 | 170 | 171 | 174 | 176 | 178 | 186 | 189 | 194 | 190 |
| 440 | 3 | F | 76 | 96 | 116 | 127 | 138 | 143 | 153 | 157 | 160 | 164 | 172 | 171 | 178 | 179 | 180 | 178 | 186 | 193 | 193 | 195 | 204 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 441 | 3 | F | 78 | 98 | 118 | 134 | 145 | 146 | 156 | 160 | 165 | 174 | 180 | 165 | 186 | 187 | 186 | 189 | 195 | 199 | 201 | 206 | 208 |
| 442 | 3 | F | 94 | 108 | 127 | 140 | 149 | 128 | 164 | 170 | 173 | 174 | 180 | 185 | 189 | 196 | 191 | 197 | 202 | 205 | 204 | 211 | 215 |
| 443 | 3 | F | 97 | 111 | 125 | 131 | 136 | 144 | 152 | 156 | 159 | 164 | 165 | 170 | 172 | 176 | 177 | 176 | 179 | 188 | 185 | 191 | 193 |
| 444 | 3 | F | 79 | 90 | 106 | 115 | 122 | 154 | 134 | 137 | 143 | 147 | 151 | 151 | 159 | 161 | 163 | 164 | 168 | 172 | 169 | 176 | 179 |
| 445 | 3 | F | 107 | 120 | 135 | 143 | 152 | 161 | 165 | 173 | 177 | 181 | 186 | 187 | 194 | 194 | 197 | 205 | 206 | 205 | 209 | 214 | 217 |
| 446 | 3 | F | 89 | 106 | 124 | 132 | 145 | 154 | 165 | 164 | 171 | 174 | 175 | 180 | 184 | 185 | 183 | 189 | 193 | 199 | 198 | 200 | 201 |
| 447 | 3 | F | 78 | 95 | 110 | 126 | 137 | 148 | 154 | 159 | 165 | 169 | 170 | 175 | 182 | 184 | 189 | 192 | 193 | 196 | 196 | 202 | 199 |
| 448 | 3 | F | 102 | 117 | 134 | 138 | 142 | 149 | 153 | 159 | 156 | 161 | 164 | 169 | 172 | 173 | 174 | 174 | 181 | 182 | 180 | 188 | 189 |
| 449 | 3 | F | 103 | 116 | 130 | 139 | 148 | 155 | 160 | 164 | 168 | 172 | 178 | 180 | 186 | 185 | 190 | 191 | 194 | 198 | 197 | 200 | 206 |
| 450 | 3 | F | 107 | 123 | 136 | 148 | 155 | 164 | 171 | 177 | 177 | 180 | 184 | 186 | 192 | 192 | 196 | 198 | 202 | 207 | 207 | 213 | 216 |
| 451 | 4 | M | 118 | 142 | 175 | 204 | 220 | 242 | 258 | 269 | 281 | 292 | 299 | 310 | 311 | 321 | 326 | 335 | 348 | 356 | 359 | 366 | 371 |
| 452 | 4 | M | 85 | 116 | 149 | 186 | 210 | 230 | 245 | 262 | 276 | 290 | 298 | 305 | 319 | 328 | 330 | 350 | 364 | 371 | 368 | 380 | 381 |
| 453 | 4 | M | 94 | 123 | 161 | 195 | 219 | 238 | 253 | 268 | 278 | 289 | 296 | 307 | 316 | 321 | 324 | 336 | 344 | 349 | 349 | 353 | 361 |
| 454 | 4 | M | 100 | 124 | 153 | 183 | 208 | 232 | 249 | 266 | 281 | 300 | 297 | 307 | 319 | 325 | 328 | 346 | 358 | 366 | 372 | 375 | 385 |
| 455 | 4 | M | 106 | 140 | 176 | 208 | 232 | 251 | 266 | 281 | 294 | 290 | 309 | 320 | 331 | 336 | 341 | 346 | 362 | 362 | 373 | 378 | 388 |
| 456 | 4 | M | 114 | 137 | 176 | 210 | 233 | 254 | 270 | 284 | 294 | 305 | 316 | 320 | 330 | 342 | 347 | 356 | 371 | 376 | 386 | 394 | 394 |
| 457 | 4 | M | 107 | 109 | 168 | 196 | 220 | 238 | 250 | 263 | 275 | 289 | 302 | 309 | 317 | 329 | 328 | 342 | 352 | 360 | 361 | 367 | 375 |
| 458 | 4 | M | 132 | 162 | 204 | 235 | 265 | 286 | 302 | 314 | 326 | 337 | 284 | 357 | 365 | 375 | 381 | 387 | 409 | 412 | 426 | 424 | 429 |
| 459 | 4 | M | 81 | 135 | 138 | 173 | 202 | 220 | 240 | 251 | 264 | 271 | 342 | 296 | 299 | 309 | 311 | 326 | 334 | 340 | 349 | 350 | 360 |
| 460 | 4 | M | 100 | 123 | 156 | 187 | 213 | 233 | 244 | 257 | 277 | 285 | 296 | 305 | 314 | 326 | 305 | 333 | 348 | 358 | 362 | 368 | 375 |
| 461 | 4 | M | 97 | 124 | 157 | 190 | 219 | 239 | 255 | 266 | 285 | 292 | 304 | 310 | 318 | 327 | 338 | 345 | 338 | 356 | 351 | 358 | 373 |
| 462 | 4 | M | 87 | 107 | 134 | 164 | 186 | 204 | 221 | 238 | 251 | 263 | 271 | 280 | 290 | 298 | 330 | 319 | 320 | 332 | 342 | 331 | 343 |
| 463 | 4 | M | 130 | 157 | 189 | 214 | 238 | 257 | 275 | 292 | 301 | 306 | 324 | 332 | 340 | 349 | 350 | 361 | 373 | 380 | 394 | 388 | 404 |
| 464 | 4 | M | 105 | 129 | 158 | 179 | 205 | 224 | 243 | 256 | 268 | 281 | 289 | 300 | 310 | 317 | 323 | 333 | 352 | 362 | 368 | 363 | 384 |
| 465 | 4 | M | 99 | 122 | 146 | 164 | 184 | 206 | 222 | 231 | 243 | 255 | 262 | 275 | 283 | 290 | 296 | 296 | 322 | 429 | 340 | 323 | 359 |
| 466 | 4 | M | 77 | 107 | 139 | 162 | 186 | 200 | 219 | 232 | 239 | 248 | 260 | 264 | 277 | 280 | 289 | 298 | 316 | 323 | 330 | 331 | 345 |
| 467 | 4 | M | 114 | 144 | 177 | 202 | 222 | 240 | 254 | 273 | 278 | 290 | 296 | 305 | 310 | 317 | 324 | 331 | 339 | 346 | 354 | 358 | 365 |
| 468 | 4 | M | 110 | 138 | 175 | 201 | 223 | 244 | 263 | 276 | 288 | 304 | 312 | 321 | 333 | 342 | 356 | 363 | 368 | 377 | 382 | 384 | 395 |
| 469 | 4 | M | 106 | 129 | 153 | 182 | 207 | 228 | 240 | 260 | 272 | 289 | 300 | 311 | 319 | 328 | 337 | 336 | 360 | 368 | 375 | 391 | 390 |
| 470 | 4 | M | 90 | 114 | 139 | 179 | 204 | 227 | 240 | 258 | 270 | 289 | 296 | 308 | 314 | 321 | 329 | 340 | 361 | 365 | 373 | 382 | 387 |
| 471 | 4 | M | 87 | 117 | 147 | 185 | 212 | 232 | 243 | 262 | 278 | 289 | 303 | 308 | 314 | 321 | 329 | 334 | 354 | 362 | 362 | 371 | 378 |
| 472 | 4 | M | 88 | 53 | 128 | 159 | 186 | 209 | 224 | 241 | 254 | 267 | 275 | 283 | 295 | 308 | 317 | 323 | 339 | 344 | 360 | 365 | 368 |
| 473 | 4 | M | 124 | 83 | 173 | 206 | 240 | 255 | 274 | 289 | 304 | 320 | 328 | 336 | 347 | 354 | 367 | 372 | 392 | 397 | 402 | 409 | 418 |
| 474 | 4 | M | 118 | 62 | 166 | 194 | 220 | 239 | 254 | 263 | 277 | 288 | 300 | 308 | 319 | 320 | 323 | 335 | 350 | 355 | 361 | 371 | 374 |
| 475 | 4 | M | 93 | 121 | 154 | 187 | 207 | 228 | 248 | 263 | 274 | 293 | 302 | 307 | 317 | 330 | 318 | 343 | 354 | 363 | 369 | 375 | 379 |
| 476 | 4 | M | 116 | 139 | 170 | 196 | 214 | 235 | 247 | 256 | 265 | 281 | 290 | 295 | 301 | 308 | 315 | 318 | 330 | 332 | 344 | 346 | 353 |
| 477 | 4 | M | 102 | 134 | 170 | 201 | 233 | 253 | 276 | 288 | 302 | 317 | 329 | 332 | 346 | 363 | 364 | 375 | 384 | 390 | 406 | 412 | 412 |
| 478 | 4 | M | 95 | 121 | 155 | 192 | 218 | 238 | 254 | 264 | 281 | 295 | 307 | 313 | 323 | 330 | 336 | 340 | 356 | 369 | 374 | 381 | 382 |
| 479 | 4 | M | 95 | 100 | 153 | 185 | 207 | 232 | 250 | 273 | 275 | 287 | 298 | 303 | 309 | 324 | 329 | 333 | 357 | 369 | 370 | 382 | 391 |
| 480 | 4 | M | 115 | 139 | 171 | 199 | 222 | 244 | 260 | 271 | 284 | 297 | 306 | 319 | 328 | 339 | 349 | 352 | 373 | 382 | 390 | 402 | 402 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 4 | M | 102 | 133 | 168 | 172 | 216 | 241 | 258 | 269 | 282 | 296 | 306 | 307 | 313 | 322 | 333 | 337 | 354 | 362 | 372 | 379 | 379 |
| 482 | 4 | M | 97 | 131 | 167 | 171 | 226 | 260 | 282 | 298 | 313 | 332 | 337 | 348 | 361 | 368 | 373 | 388 | 400 | 409 | 422 | 430 | 435 |
| 483 | 4 | M | 123 | 146 | 176 | 170 | 214 | 242 | 262 | 275 | 287 | 302 | 311 | 320 | 326 | 343 | 347 | 351 | 367 | 372 | 393 | 397 | 403 |
| 484 | 4 | M | 76 | 108 | 140 | 173 | 194 | 214 | 227 | 240 | 249 | 257 | 266 | 276 | 287 | 295 | 294 | 304 | 314 | 323 | 330 | 339 | 382 |
| 485 | 4 | M | 135 | 168 | 199 | 227 | 245 | 265 | 279 | 287 | 297 | 305 | 320 | 325 | 336 | 341 | 346 | 355 | 373 | 380 | 390 | 392 | 405 |
| 486 | 4 | M | 101 | 126 | 147 | 165 | 176 | 189 | 198 | 208 | 217 | 224 | 232 | 240 | 248 | 253 | 255 | 261 | 274 | 282 | 286 | 298 | 301 |
| 487 | 4 | M | 104 | 135 | 170 | 208 | 231 | 256 | 276 | 290 | 304 | 316 | 332 | 338 | 344 | 350 | 356 | 366 | 383 | 391 | 399 | 405 | 409 |
| 488 | 4 | M | 99 | 128 | 154 | 181 | 200 | 216 | 231 | 244 | 257 | 268 | 273 | 284 | 291 | 300 | 304 | 310 | 325 | 333 | 336 | 337 | 347 |
| 489 | 4 | M | 83 | 108 | 138 | 168 | 189 | 210 | 229 | 244 | 248 | 262 | 276 | 281 | 293 | 303 | 307 | 321 | 330 | 339 | 353 | 357 | 365 |
| 490 | 4 | M | 138 | 170 | 202 | 225 | 244 | 261 | 273 | 285 | 298 | 306 | 317 | 320 | 332 | 342 | 347 | 354 | 371 | 371 | 382 | 388 | 393 |
| 491 | 4 | M | 120 | 146 | 178 | 196 | 209 | 225 | 235 | 244 | 248 | 261 | 285 | 276 | 283 | 290 | 294 | 304 | 317 | 325 | 337 | 336 | 346 |
| 492 | 4 | M | 88 | 118 | 150 | 176 | 200 | 226 | 243 | 257 | 263 | 274 | 290 | 292 | 300 | 306 | 314 | 322 | 334 | 345 | 352 | 363 | 369 |
| 493 | 4 | M | 107 | 156 | 150 | 171 | 192 | 212 | 224 | 234 | 242 | 254 | 265 | 271 | 281 | 288 | 291 | 302 | 311 | 318 | 328 | 335 | 338 |
| 494 | 4 | M | 126 | 127 | 193 | 220 | 242 | 266 | 283 | 296 | 306 | 315 | 315 | 331 | 342 | 349 | 352 | 362 | 374 | 380 | 395 | 405 | 411 |
| 495 | 4 | M | 78 | 109 | 144 | 178 | 207 | 230 | 248 | 261 | 269 | 283 | 294 | 305 | 310 | 320 | 326 | 333 | 351 | 350 | 360 | 353 | 365 |
| 496 | 4 | M | 102 | 132 | 166 | 201 | 224 | 250 | 265 | 277 | 288 | 298 | 306 | 319 | 325 | 332 | 343 | 354 | 366 | 376 | 389 | 397 | 409 |
| 497 | 4 | M | 115 | 138 | 168 | 195 | 214 | 227 | 249 | 251 | 262 | 266 | 274 | 282 | 287 | 298 | 300 | 320 | 325 | 335 | 342 | 345 | 356 |
| 498 | 4 | M | 95 | 120 | 153 | 184 | 210 | 232 | 250 | 260 | 268 | 277 | 287 | 297 | 311 | 321 | 323 | 336 | 352 | 355 | 370 | 378 | 390 |
| 499 | 4 | M | 124 | 153 | 196 | 231 | 251 | 272 | 292 | 308 | 317 | 333 | 348 | 349 | 363 | 369 | 372 | 386 | 402 | 407 | 408 | 417 | 422 |
| 500 | 4 | M | 107 | 137 | 177 | 203 | 223 | 242 | 252 | 270 | 276 | 285 | 296 | 306 | 311 | 317 | 322 | 328 | 340 | 344 | 352 | 361 | 363 |
| 501 | 4 | M | 114 | 138 | 170 | 198 | 217 | 239 | 251 | 267 | 272 | 281 | 292 | 298 | 310 | 320 | 324 | 332 | 349 | 354 | 359 | 370 | 371 |
| 502 | 4 | M | 99 | 124 | 164 | 194 | 216 | 238 | 253 | 267 | 277 | 289 | 295 | 299 | 310 | 315 | 320 | 329 | 341 | 355 | 366 | 380 | 377 |
| 503 | 4 | M | 106 | 126 | 149 | 169 | 192 | 224 | 242 | 258 | 274 | 286 | 293 | 299 | 308 | 324 | 329 | 337 | 355 | 359 | 365 | 383 | 389 |
| 504 | 4 | M | 110 | 131 | 165 | 187 | 217 | 238 | 253 | 269 | 277 | 291 | 304 | 304 | 310 | 322 | 332 | 340 | 355 | 368 | 373 | 389 | 393 |
| 505 | 4 | M | 113 | 136 | 168 | 196 | 218 | 235 | 252 | 260 | 271 | 283 | 288 | 296 | 308 | 319 | 320 | 328 | 347 | 350 | 355 | 368 | 372 |
| 506 | 4 | M | 113 | 138 | 174 | 197 | 215 | 231 | 242 | 258 | 271 | 280 | 286 | 293 | 301 | 305 | 312 | 322 | 334 | 336 | 350 | 353 | 357 |
| 507 | 4 | M | 103 | 127 | 163 | 193 | 211 | 227 | 243 | 252 | 263 | 274 | 280 | 287 | 300 | 307 | 317 | 323 | 333 | 339 | 346 | 354 | 359 |
| 508 | 4 | M | 101 | 118 | 133 | 136 | 149 | 165 | 174 | 195 | 206 | 195 | 214 | 227 | 230 | 235 | 246 | 259 | 269 | 277 | 285 | 291 | 293 |
| 509 | 4 | M | 129 | 155 | 187 | 216 | 237 | 255 | 272 | 284 | 294 | 310 | 313 | 317 | 327 | 333 | 342 | 352 | 366 | 372 | 386 | 399 | 405 |
| 510 | 4 | M | 107 | 134 | 165 | 194 | 210 | 227 | 239 | 252 | 263 | 269 | 280 | 284 | 295 | 301 | 306 | 314 | 332 | 337 | 338 | 355 | 364 |
| 511 | 4 | M | 93 | 120 | 152 | 178 | 204 | 225 | 240 | 258 | 270 | 277 | 292 | 297 | 299 | 309 | 320 | 331 | 349 | 348 | 358 | 369 | 370 |
| 512 | 4 | M | 99 | 128 | 162 | 190 | 214 | 240 | 260 | 274 | 292 | 305 | 314 | 322 | 334 | 345 | 352 | 363 | 372 | 380 | 386 | 393 | 397 |
| 513 | 4 | M | 107 | 129 | 163 | 183 | 208 | 234 | 245 | 257 | 273 | 281 | 289 | 303 | 310 | 318 | 329 | 340 | 352 | 359 | 371 | 380 | 384 |
| 514 | 4 | M | 125 | 151 | 183 | 205 | 221 | 222 | 250 | 264 | 277 | 283 | 297 | 300 | 310 | 320 | 324 | 340 | 350 | 355 | 360 | 367 | 378 |
| 515 | 4 | M | 116 | 139 | 169 | 188 | 208 | 223 | 233 | 244 | 261 | 275 | 284 | 287 | 298 | 307 | 316 | 329 | 347 | 354 | 358 | 370 | 372 |
| 516 | 4 | M | 115 | 137 | 163 | 186 | 205 | 230 | 240 | 249 | 259 | 271 | 281 | 289 | 296 | 309 | 312 | 327 | 340 | 345 | 344 | 352 | 352 |
| 517 | 4 | M | 85 | 114 | 150 | 176 | 204 | 233 | 250 | 264 | 279 | 294 | 303 | 308 | 316 | 323 | 330 | 342 | 356 | 358 | 374 | 377 | 384 |
| 518 | 4 | M | 90 | 123 | 154 | 186 | 214 | 238 | 256 | 270 | 278 | 290 | 299 | 310 | 316 | 323 | 337 | 337 | 354 | 363 | 374 | 373 | 386 |
| 519 | 4 | M | 118 | 141 | 178 | 201 | 223 | 246 | 259 | 271 | 279 | 297 | 306 | 314 | 324 | 331 | 341 | 343 | 364 | 374 | 387 | 387 | 394 |
| 520 | 4 | M | 104 | 132 | 167 | 197 | 224 | 248 | 270 | 285 | 298 | 310 | 319 | 330 | 339 | 347 | 355 | 366 | 378 | 381 | 399 | 400 | 405 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 521 | 4 | M | 89 | 109 | 135 | 151 | 169 | 193 | 208 | 248 | 232 | 242 | 255 | 263 | 267 | 272 | 284 | 287 | 305 | 311 | 325 | 332 | 339 |
| 522 | 4 | M | 103 | 124 | 159 | 181 | 200 | 225 | 238 | 223 | 259 | 268 | 277 | 287 | 299 | 306 | 312 | 321 | 325 | 339 | 342 | 353 | 356 |
| 523 | 4 | M | 103 | 120 | 147 | 174 | 194 | 219 | 234 | 244 | 258 | 278 | 282 | 283 | 300 | 308 | 313 | 314 | 342 | 345 | 358 | 362 | 364 |
| 524 | 4 | M | 107 | 135 | 168 | 195 | 213 | 236 | 250 | 259 | 264 | 268 | 287 | 294 | 302 | 308 | 319 | 318 | 339 | 344 | 344 | 358 | 369 |
| 525 | 4 | M | 124 | 150 | 184 | 209 | 223 | 245 | 260 | 268 | 275 | 296 | 302 | 306 | 318 | 324 | 332 | 331 | 355 | 359 | 364 | 370 | 380 |
| 526 | 4 | F | 86 | 98 | 109 | 128 | 126 | 134 | 131 | 136 | 139 | 142 | 145 | 143 | 148 | 146 | 150 | 148 | 154 | 151 | 157 | 156 | 157 |
| 527 | 4 | F | 111 | 127 | 142 | 155 | 160 | 168 | 172 | 173 | 177 | 184 | 184 | 188 | 190 | 195 | 194 | 198 | 201 | 206 | 209 | 211 | 221 |
| 528 | 4 | F | 80 | 93 | 103 | 114 | 121 | 128 | 126 | 130 | 130 | 141 | 141 | 142 | 144 | 151 | 151 | 155 | 159 | 161 | 165 | 167 | 168 |
| 529 | 4 | F | 68 | 86 | 101 | 118 | 128 | 135 | 141 | 152 | 153 | 159 | 161 | 164 | 166 | 166 | 167 | 173 | 178 | 177 | 181 | 185 | 189 |
| 530 | 4 | F | 93 | 117 | 135 | 154 | 160 | 170 | 179 | 186 | 195 | 199 | 200 | 208 | 206 | 209 | 213 | 218 | 223 | 222 | 225 | 229 | 228 |
| 531 | 4 | F | 103 | 116 | 131 | 138 | 141 | 146 | 151 | 156 | 156 | 162 | 166 | 172 | 176 | 181 | 179 | 183 | 178 | 182 | 184 | 188 | 181 |
| 532 | 4 | F | 77 | 100 | 114 | 128 | 141 | 151 | 159 | 168 | 169 | 170 | 180 | 172 | 187 | 188 | 190 | 192 | 193 | 195 | 195 | 197 | 201 |
| 533 | 4 | F | 90 | 108 | 122 | 136 | 145 | 155 | 164 | 172 | 173 | 171 | 181 | 176 | 186 | 193 | 190 | 194 | 195 | 196 | 197 | 195 | 195 |
| 534 | 4 | F | 66 | 88 | 103 | 124 | 136 | 144 | 154 | 162 | 165 | 172 | 176 | 172 | 187 | 187 | 190 | 191 | 195 | 199 | 202 | 204 | 207 |
| 535 | 4 | F | 82 | 101 | 121 | 139 | 149 | 159 | 164 | 174 | 179 | 183 | 191 | 193 | 203 | 206 | 206 | 207 | 212 | 212 | 216 | 222 | 225 |
| 536 | 4 | F | 104 | 112 | 125 | 133 | 142 | 149 | 158 | 168 | 167 | 169 | 173 | 174 | 180 | 182 | 184 | 188 | 191 | 193 | 198 | 205 | 204 |
| 537 | 4 | F | 76 | 97 | 114 | 134 | 140 | 149 | 162 | 166 | 171 | 173 | 174 | 179 | 181 | 186 | 186 | 190 | 193 | 195 | 196 | 199 | 205 |
| 538 | 4 | F | 100 | 118 | 131 | 142 | 150 | 159 | 162 | 175 | 175 | 181 | 181 | 184 | 188 | 191 | 196 | 194 | 205 | 200 | 204 | 206 | 204 |
| 539 | 4 | F | 93 | 112 | 128 | 138 | 149 | 156 | 168 | 172 | 176 | 181 | 181 | 183 | 189 | 189 | 194 | 199 | 199 | 200 | 204 | 207 | 205 |
| 540 | 4 | F | 79 | 97 | 113 | 130 | 138 | 147 | 155 | 159 | 166 | 170 | 176 | 180 | 180 | 186 | 186 | 188 | 194 | 194 | 191 | 196 | 203 |
| 541 | 4 | F | 82 | 99 | 115 | 132 | 144 | 153 | 159 | 162 | 167 | 170 | 174 | 177 | 176 | 183 | 179 | 182 | 189 | 187 | 190 | 193 | 198 |
| 542 | 4 | F | 106 | 120 | 136 | 146 | 152 | 162 | 167 | 174 | 178 | 186 | 190 | 194 | 196 | 197 | 199 | 204 | 208 | 208 | 209 | 212 | 223 |
| 543 | 4 | F | 79 | 97 | 113 | 130 | 140 | 152 | 156 | 166 | 166 | 173 | 174 | 178 | 184 | 183 | 186 | 189 | 191 | 191 | 192 | 194 | 200 |
| 544 | 4 | F | 97 | 114 | 130 | 140 | 148 | 151 | 158 | 165 | 165 | 171 | 174 | 180 | 183 | 184 | 187 | 193 | 193 | 202 | 205 | 209 | 213 |
| 545 | 4 | F | 75 | 98 | 113 | 130 | 138 | 149 | 157 | 164 | 169 | 167 | 176 | 181 | 181 | 185 | 186 | 188 | 197 | 201 | 198 | 204 | 212 |
| 546 | 4 | F | 72 | 83 | 94 | 107 | 114 | 120 | 124 | 130 | 133 | 138 | 138 | 144 | 147 | 146 | 149 | 153 | 158 | 163 | 163 | 166 | 169 |
| 547 | 4 | F | 94 | 110 | 123 | 135 | 144 | 151 | 156 | 165 | 167 | 171 | 174 | 183 | 185 | 188 | 189 | 190 | 198 | 204 | 207 | 205 | 212 |
| 548 | 4 | F | 105 | 119 | 141 | 150 | 160 | 167 | 173 | 175 | 178 | 180 | 184 | 184 | 187 | 189 | 190 | 195 | 198 | 199 | 202 | 205 | 207 |
| 549 | 4 | F | 84 | 106 | 125 | 143 | 156 | 166 | 170 | 179 | 182 | 190 | 193 | 193 | 199 | 201 | 204 | 211 | 216 | 219 | 222 | 223 | 225 |
| 550 | 4 | F | 105 | 121 | 137 | 150 | 161 | 165 | 171 | 174 | 180 | 188 | 185 | 187 | 190 | 196 | 194 | 192 | 202 | 206 | 206 | 206 | 214 |
| 551 | 4 | F | 71 | 85 | 99 | 112 | 124 | 134 | 133 | 144 | 148 | 152 | 159 | 159 | 162 | 171 | 167 | 171 | 179 | 180 | 185 | 189 | 186 |
| 552 | 4 | F | 79 | 94 | 106 | 122 | 133 | 142 | 149 | 159 | 163 | 167 | 168 | 169 | 177 | 180 | 179 | 184 | 188 | 192 | 197 | 197 | 202 |
| 553 | 4 | F | 84 | 103 | 119 | 132 | 145 | 154 | 160 | 166 | 173 | 178 | 185 | 184 | 186 | 191 | 191 | 192 | 198 | 200 | 205 | 204 | 209 |
| 554 | 4 | F | 73 | 90 | 101 | 114 | 123 | 133 | 141 | 142 | 148 | 152 | 156 | 161 | 162 | 166 | 168 | 170 | 176 | 181 | 185 | 187 | 185 |
| 555 | 4 | F | 106 | 123 | 137 | 151 | 158 | 165 | 174 | 177 | 185 | 191 | 190 | 194 | 202 | 205 | 204 | 210 | 211 | 215 | 219 | 223 | 222 |
| 556 | 4 | F | 92 | 110 | 121 | 141 | 147 | 154 | 157 | 167 | 168 | 170 | 174 | 172 | 181 | 180 | 183 | 182 | 188 | 189 | 197 | 200 | 197 |
| 557 | 4 | F | 81 | 102 | 121 | 132 | 145 | 152 | 157 | 166 | 169 | 175 | 174 | 179 | 184 | 186 | 191 | 192 | 193 | 197 | 199 | 202 | 199 |
| 558 | 4 | F | 96 | 110 | 125 | 135 | 141 | 145 | 150 | 154 | 158 | 164 | 165 | 170 | 174 | 174 | 178 | 184 | 189 | 193 | 198 | 198 | 197 |
| 559 | 4 | F | 76 | 98 | 119 | 131 | 144 | 153 | 158 | 169 | 169 | 173 | 178 | 178 | 182 | 182 | 187 | 187 | 192 | 200 | 202 | 203 | 203 |
| 560 | 4 | F | 94 | 110 | 127 | 136 | 144 | 151 | 157 | 163 | 168 | 169 | 176 | 175 | 178 | 183 | 183 | 184 | 189 | 191 | 197 | 198 | 202 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 561 | 4 | F | 99 | 115 | 140 | 149 | 156 | 164 | 171 | 175 | 183 | 185 | 189 | 186 | 194 | 197 | 195 | 197 | 203 | 207 | 208 | 212 | 216 |
| 562 | 4 | F | 90 | 106 | 125 | 141 | 144 | 154 | 158 | 166 | 167 | 171 | 172 | 176 | 184 | 182 | 185 | 187 | 190 | 191 | 194 | 202 | 201 |
| 563 | 4 | F | 98 | 114 | 130 | 148 | 151 | 161 | 169 | 174 | 180 | 183 | 187 | 186 | 190 | 195 | 195 | 196 | 199 | 199 | 204 | 207 | 205 |
| 564 | 4 | F | 84 | 97 | 114 | 127 | 132 | 142 | 149 | 158 | 159 | 165 | 164 | 168 | 172 | 180 | 178 | 183 | 187 | 191 | 191 | 196 | 197 |
| 565 | 4 | F | 104 | 122 | 133 | 139 | 148 | 152 | 158 | 163 | 166 | 170 | 171 | 173 | 177 | 181 | 181 | 181 | 186 | 189 | 190 | 192 | 197 |
| 566 | 4 | F | 83 | 99 | 114 | 123 | 131 | 137 | 137 | 144 | 145 | 152 | 151 | 152 | 158 | 160 | 162 | 162 | 168 | 171 | 176 | 176 | 180 |
| 567 | 4 | F | 105 | 121 | 137 | 147 | 154 | 163 | 170 | 179 | 182 | 187 | 188 | 189 | 197 | 200 | 206 | 205 | 210 | 212 | 212 | 220 | 221 |
| 568 | 4 | F | 89 | 105 | 124 | 139 | 147 | 151 | 160 | 168 | 173 | 175 | 177 | 182 | 186 | 193 | 192 | 191 | 196 | 193 | 198 | 201 | 208 |
| 569 | 4 | F | 88 | 101 | 111 | 118 | 121 | 131 | 134 | 140 | 142 | 144 | 150 | 151 | 154 | 160 | 160 | 162 | 170 | 169 | 168 | 172 | 175 |
| 570 | 4 | F | 100 | 113 | 130 | 142 | 149 | 155 | 162 | 165 | 171 | 176 | 175 | 176 | 182 | 185 | 185 | 188 | 196 | 193 | 192 | 198 | 200 |
| 571 | 4 | F | 90 | 104 | 118 | 129 | 137 | 143 | 149 | 158 | 160 | 164 | 164 | 167 | 168 | 171 | 175 | 173 | 176 | 185 | 190 | 191 | 190 |
| 572 | 4 | F | 92 | 105 | 122 | 131 | 140 | 145 | 151 | 157 | 163 | 168 | 170 | 176 | 179 | 184 | 186 | 183 | 188 | 188 | 193 | 194 | 199 |
| 573 | 4 | F | 99 | 110 | 123 | 134 | 140 | 154 | 156 | 164 | 166 | 168 | 174 | 176 | 176 | 181 | 183 | 179 | 184 | 186 | 189 | 193 | 192 |
| 574 | 4 | F | 87 | 100 | 113 | 124 | 132 | 139 | 145 | 152 | 155 | 159 | 162 | 160 | 171 | 176 | 177 | 178 | 183 | 184 | 185 | 188 | 189 |
| 575 | 4 | F | 98 | 112 | 126 | 139 | 142 | 151 | 156 | 160 | 163 | 171 | 171 | 170 | 177 | 180 | 179 | 184 | 188 | 188 | 186 | 192 | 191 |
| 576 | 4 | F | 106 | 117 | 133 | 144 | 153 | 158 | 170 | 171 | 174 | 181 | 177 | 185 | 191 | 193 | 194 | 193 | 198 | 199 | 204 | 205 | 205 |
| 577 | 4 | F | 79 | 99 | 118 | 134 | 142 | 152 | 160 | 168 | 171 | 174 | 177 | 180 | 185 | 190 | 189 | 194 | 201 | 204 | 202 | 202 | 206 |
| 578 | 4 | F | 77 | 92 | 110 | 122 | 129 | 139 | 148 | 147 | 156 | 158 | 163 | 166 | 168 | 173 | 174 | 174 | 182 | 186 | 183 | 186 | 190 |
| 579 | 4 | F | 85 | 101 | 118 | 130 | 138 | 146 | 157 | 156 | 164 | 167 | 173 | 176 | 179 | 186 | 186 | 189 | 193 | 194 | 195 | 201 | 200 |
| 580 | 4 | F | 87 | 107 | 126 | 140 | 147 | 158 | 164 | 172 | 173 | 177 | 186 | 186 | 192 | 189 | 195 | 198 | 199 | 202 | 204 | 212 | 215 |
| 581 | 4 | F | 86 | 101 | 115 | 126 | 134 | 150 | 160 | 161 | 167 | 170 | 177 | 178 | 185 | 189 | 188 | 191 | 200 | 203 | 204 | 210 | 214 |
| 582 | 4 | F | 65 | 85 | 105 | 121 | 132 | 145 | 150 | 160 | 161 | 169 | 168 | 177 | 178 | 183 | 184 | 188 | 191 | 194 | 199 | 204 | 204 |
| 583 | 4 | F | 97 | 114 | 108 | 138 | 143 | 158 | 165 | 172 | 173 | 178 | 179 | 182 | 184 | 189 | 187 | 187 | 196 | 195 | 194 | 199 | 199 |
| 584 | 4 | F | 100 | 111 | 123 | 132 | 135 | 142 | 147 | 155 | 160 | 158 | 164 | 166 | 171 | 175 | 173 | 176 | 176 | 179 | 179 | 182 | 188 |
| 585 | 4 | F | 67 | 88 | 128 | 122 | 134 | 153 | 156 | 164 | 165 | 169 | 174 | 171 | 180 | 181 | 183 | 184 | 183 | 188 | 192 | 193 | 196 |
| 586 | 4 | F | 95 | 109 | 123 | 137 | 151 | 157 | 160 | 165 | 170 | 171 | 175 | 172 | 175 | 180 | 182 | 180 | 184 | 191 | 195 | 194 | 198 |
| 587 | 4 | F | 104 | 118 | 129 | 136 | 146 | 154 | 160 | 166 | 166 | 171 | 172 | 178 | 178 | 183 | 182 | 182 | 192 | 195 | 193 | 204 | 207 |
| 588 | 4 | F | 68 | 84 | 103 | 114 | 121 | 134 | 138 | 148 | 144 | 152 | 152 | 157 | 163 | 164 | 165 | 169 | 172 | 177 | 179 | 186 | 187 |
| 589 | 4 | F | 90 | 110 | 126 | 135 | 146 | 150 | 160 | 166 | 170 | 176 | 177 | 180 | 184 | 186 | 185 | 194 | 193 | 196 | 200 | 198 | 204 |
| 590 | 4 | F | 97 | 113 | 128 | 132 | 143 | 147 | 155 | 160 | 165 | 167 | 170 | 170 | 178 | 180 | 179 | 183 | 184 | 188 | 188 | 192 | 197 |
| 591 | 4 | F | 90 | 104 | 118 | 129 | 137 | 148 | 151 | 158 | 160 | 164 | 166 | 166 | 192 | 175 | 176 | 179 | 182 | 190 | 187 | 192 | 192 |
| 592 | 4 | F | 79 | 102 | 124 | 141 | 149 | 157 | 162 | 173 | 175 | 182 | 186 | 183 | 192 | 194 | 192 | 196 | 200 | 206 | 208 | 209 | 209 |
| 593 | 4 | F | 75 | 96 | 116 | 130 | 136 | 147 | 150 | 161 | 161 | 169 | 172 | 168 | 176 | 175 | 177 | 178 | 185 | 189 | 192 | 193 | 194 |
| 594 | 4 | F | 107 | 121 | 135 | 136 | 151 | 156 | 162 | 164 | 169 | 174 | 175 | 174 | 177 | 179 | 184 | 184 | 187 | 197 | 199 | 201 | 197 |
| 595 | 4 | F | 94 | 106 | 122 | 132 | 142 | 149 | 157 | 163 | 163 | 171 | 173 | 177 | 185 | 190 | 192 | 193 | 195 | 196 | 199 | 201 | 201 |
| 596 | 4 | F | 108 | 123 | 138 | 144 | 152 | 165 | 168 | 173 | 176 | 181 | 186 | 188 | 198 | 200 | 202 | 202 | 209 | 199 | 215 | 221 | 222 |
| 597 | 4 | F | 80 | 97 | 112 | 122 | 135 | 143 | 152 | 159 | 161 | 168 | 170 | 173 | 178 | 181 | 183 | 187 | 190 | 194 | 195 | 202 | 204 |
| 598 | 4 | F | 105 | 118 | 134 | 142 | 144 | 159 | 163 | 167 | 168 | 172 | 171 | 172 | 181 | 180 | 184 | 179 | 183 | 189 | 195 | 192 | 195 |
| 599 | 4 | F | 104 | 121 | 141 | 148 | 152 | 164 | 165 | 169 | 174 | 176 | 176 | 178 | 184 | 186 | 187 | 193 | 193 | 194 | 200 | 202 | 206 |
| 600 | 4 | F | 87 | 105 | 123 | 134 | 146 | 154 | 159 | 161 | 171 | 170 | 170 | 175 | 177 | 185 | 182 | 188 | 191 | 195 | 196 | 201 | 208 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 94 | 102 | 148 | 180 | 196 | 218 | 234 | 249 | 257 | 268 | 281 | 292 | 300 | 306 | 312 | 325 | 342 | 347 | 354 | 368 | 374 |
| 602 | 5 | M | 107 | 117 | 163 | 194 | 209 | 228 | 245 | 250 | 259 | 270 | 277 | 285 | 294 | 304 | 310 | 313 | 328 | 328 | 338 | 337 | 349 |
| 603 | 5 | M | 74 | 84 | 124 | 160 | 175 | 197 | 213 | 223 | 232 | 246 | 257 | 267 | 273 | 277 | 283 | 303 | 307 | 312 | 321 | 329 | 330 |
| 604 | 5 | M | 108 | 129 | 155 | 182 | 196 | 215 | 224 | 240 | 246 | 254 | 260 | 268 | 271 | 281 | 280 | 295 | 304 | 306 | 315 | 310 | 319 |
| 605 | 5 | M | 89 | 120 | 154 | 191 | 210 | 230 | 244 | 257 | 262 | 274 | 282 | 292 | 297 | 301 | 303 | 316 | 324 | 328 | 332 | 332 | 340 |
| 606 | 5 | M | 126 | 154 | 192 | 225 | 242 | 259 | 275 | 287 | 298 | 309 | 317 | 328 | 330 | 343 | 338 | 354 | 362 | 364 | 372 | 380 | 390 |
| 607 | 5 | M | 107 | 134 | 158 | 180 | 199 | 217 | 231 | 248 | 256 | 267 | 279 | 285 | 291 | 298 | 303 | 307 | 323 | 327 | 337 | 351 | 353 |
| 608 | 5 | M | 113 | 140 | 171 | 194 | 214 | 234 | 245 | 260 | 266 | 281 | 286 | 298 | 306 | 308 | 317 | 322 | 344 | 346 | 354 | 362 | 375 |
| 609 | 5 | M | 109 | 140 | 172 | 204 | 216 | 239 | 251 | 260 | 278 | 284 | 295 | 303 | 308 | 319 | 322 | 332 | 342 | 348 | 350 | 357 | 366 |
| 610 | 5 | M | 95 | 118 | 146 | 173 | 192 | 208 | 227 | 235 | 249 | 256 | 261 | 270 | 278 | 279 | 288 | 293 | 307 | 302 | 310 | 320 | 322 |
| 611 | 5 | M | 110 | 142 | 177 | 212 | 233 | 256 | 272 | 284 | 296 | 303 | 311 | 325 | 326 | 328 | 336 | 342 | 360 | 362 | 368 | 372 | 382 |
| 612 | 5 | M | 113 | 118 | 148 | 168 | 183 | 205 | 228 | 237 | 251 | 265 | 276 | 290 | 298 | 306 | 312 | 327 | 343 | 344 | 354 | 364 | 369 |
| 613 | 5 | M | 91 | 113 | 144 | 173 | 190 | 206 | 222 | 231 | 240 | 250 | 256 | 263 | 272 | 277 | 278 | 288 | 305 | 307 | 318 | 321 | 333 |
| 614 | 5 | M | 87 | 113 | 140 | 170 | 187 | 208 | 227 | 236 | 249 | 258 | 262 | 270 | 280 | 283 | 285 | 293 | 304 | 312 | 317 | 325 | 336 |
| 615 | 5 | M | 114 | 134 | 157 | 175 | 192 | 208 | 227 | 237 | 247 | 256 | 264 | 274 | 280 | 285 | 289 | 300 | 316 | 316 | 324 | 329 | 336 |
| 616 | 5 | M | 105 | 133 | 168 | 203 | 224 | 244 | 261 | 273 | 283 | 289 | 297 | 308 | 315 | 317 | 326 | 338 | 351 | 355 | 366 | 366 | 374 |
| 617 | 5 | M | 99 | 128 | 164 | 199 | 218 | 232 | 251 | 263 | 269 | 285 | 294 | 282 | 305 | 313 | 316 | 330 | 336 | 341 | 356 | 358 | 366 |
| 618 | 5 | M | 97 | 126 | 158 | 194 | 212 | 227 | 246 | 252 | 260 | 270 | 273 | 303 | 286 | 300 | 306 | 308 | 325 | 332 | 334 | 336 | 344 |
| 619 | 5 | M | 87 | 111 | 142 | 182 | 206 | 229 | 245 | 260 | 275 | 287 | 294 | 303 | 320 | 317 | 324 | 331 | 339 | 351 | 361 | 366 | 370 |
| 620 | 5 | M | 104 | 122 | 151 | 178 | 203 | 228 | 241 | 257 | 272 | 280 | 294 | 300 | 307 | 311 | 317 | 329 | 341 | 336 | 350 | 355 | 364 |
| 621 | 5 | M | 115 | 122 | 163 | 185 | 204 | 215 | 230 | 238 | 250 | 257 | 264 | 273 | 281 | 289 | 290 | 297 | 312 | 315 | 319 | 325 | 335 |
| 622 | 5 | M | 72 | 95 | 115 | 142 | 171 | 195 | 213 | 223 | 234 | 238 | 247 | 260 | 265 | 276 | 281 | 282 | 298 | 296 | 309 | 308 | 317 |
| 623 | 5 | M | 104 | 133 | 116 | 190 | 213 | 231 | 260 | 260 | 276 | 281 | 288 | 297 | 308 | 316 | 317 | 329 | 323 | 348 | 343 | 358 | 365 |
| 624 | 5 | M | 78 | 100 | 124 | 154 | 179 | 201 | 221 | 236 | 245 | 250 | 264 | 276 | 278 | 289 | 295 | 303 | 317 | 320 | 333 | 334 | 346 |
| 625 | 5 | M | 87 | 118 | 149 | 180 | 205 | 220 | 233 | 248 | 254 | 262 | 272 | 282 | 286 | 293 | 300 | 307 | 316 | 322 | 328 | 328 | 340 |
| 626 | 5 | M | 73 | 104 | 131 | 163 | 188 | 207 | 226 | 240 | 251 | 261 | 273 | 279 | 290 | 298 | 300 | 314 | 316 | 326 | 332 | 336 | 349 |
| 627 | 5 | M | 116 | 146 | 172 | 194 | 211 | 227 | 240 | 253 | 260 | 271 | 278 | 286 | 292 | 294 | 302 | 313 | 326 | 326 | 333 | 336 | 341 |
| 628 | 5 | M | 76 | 100 | 122 | 154 | 180 | 202 | 220 | 234 | 239 | 251 | 261 | 268 | 275 | 282 | 286 | 291 | 302 | 312 | 322 | 319 | 324 |
| 629 | 5 | M | 87 | 114 | 139 | 176 | 203 | 226 | 241 | 255 | 263 | 276 | 287 | 290 | 300 | 307 | 313 | 318 | 330 | 335 | 348 | 352 | 352 |
| 630 | 5 | M | 91 | 118 | 147 | 178 | 202 | 221 | 235 | 245 | 250 | 264 | 276 | 287 | 289 | 298 | 302 | 319 | 329 | 334 | 346 | 351 | 350 |
| 631 | 5 | M | 121 | 164 | 192 | 214 | 236 | 244 | 260 | 270 | 281 | 292 | 298 | 306 | 310 | 318 | 321 | 323 | 289 | 342 | 345 | 350 | 355 |
| 632 | 5 | M | 94 | 112 | 129 | 143 | 160 | 175 | 193 | 206 | 220 | 230 | 243 | 250 | 258 | 332 | 273 | 284 | 296 | 302 | 314 | 313 | 320 |
| 633 | 5 | M | 104 | 133 | 165 | 190 | 211 | 225 | 242 | 253 | 260 | 276 | 285 | 288 | 302 | 310 | 312 | 315 | 331 | 341 | 345 | 356 | 363 |
| 634 | 5 | M | 101 | 128 | 157 | 182 | 200 | 210 | 226 | 235 | 241 | 251 | 264 | 264 | 270 | 279 | 275 | 292 | 305 | 312 | 313 | 322 | 329 |
| 635 | 5 | M | 100 | 122 | 147 | 170 | 186 | 202 | 214 | 220 | 232 | 239 | 249 | 250 | 264 | 268 | 253 | 274 | 281 | 290 | 296 | 308 | 315 |
| 636 | 5 | M | 78 | 102 | 125 | 154 | 176 | 195 | 210 | 220 | 229 | 240 | 246 | 252 | 254 | 263 | 253 | 275 | 287 | 293 | 293 | 300 | 306 |
| 637 | 5 | M | 119 | 144 | 174 | 202 | 220 | 235 | 249 | 266 | 268 | 277 | 289 | 292 | 301 | 302 | 308 | 318 | 328 | 332 | 338 | 342 | 347 |
| 638 | 5 | M | 126 | 138 | 174 | 199 | 223 | 241 | 255 | 264 | 274 | 286 | 296 | 302 | 308 | 306 | 316 | 323 | 333 | 341 | 343 | 347 | 353 |
| 639 | 5 | M | 120 | 145 | 177 | 199 | 221 | 241 | 257 | 260 | 273 | 286 | 292 | 292 | 301 | 307 | 317 | 323 | 334 | 337 | 341 | 345 | 345 |
| 640 | 5 | M | 100 | 124 | 157 | 183 | 202 | 222 | 235 | 247 | 256 | 265 | 270 | 275 | 280 | 286 | 292 | 293 | 317 | 311 | 315 | 323 | 325 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 5 | M | 124 | 155 | 188 | 220 | 237 | 252 | 264 | 270 | 285 | 292 | 297 | 306 | 307 | 314 | 323 | 328 | 339 | 342 | 351 | 353 | 356 |
| 642 | 5 | M | 92 | 124 | 160 | 194 | 224 | 243 | 260 | 276 | 281 | 292 | 301 | 308 | 320 | 322 | 331 | 329 | 351 | 355 | 362 | 368 | 367 |
| 643 | 5 | M | 97 | 122 | 148 | 178 | 205 | 225 | 241 | 250 | 266 | 256 | 283 | 292 | 300 | 308 | 313 | 314 | 326 | 337 | 345 | 346 | 359 |
| 644 | 5 | M | 99 | 126 | 153 | 180 | 199 | 219 | 229 | 244 | 252 | 248 | 269 | 275 | 287 | 289 | 291 | 294 | 308 | 313 | 324 | 325 | 335 |
| 645 | 5 | M | 124 | 147 | 169 | 193 | 207 | 223 | 234 | 245 | 256 | 247 | 271 | 277 | 290 | 294 | 301 | 301 | 317 | 327 | 332 | 340 | 343 |
| 646 | 5 | M | 116 | 140 | 169 | 196 | 213 | 231 | 244 | 253 | 263 | 277 | 282 | 286 | 290 | 295 | 302 | 308 | 318 | 326 | 327 | 334 | 340 |
| 647 | 5 | M | 86 | 117 | 149 | 182 | 204 | 216 | 231 | 240 | 252 | 258 | 263 | 274 | 279 | 286 | 290 | 295 | 303 | 306 | 312 | 315 | 324 |
| 648 | 5 | M | 122 | 146 | 177 | 211 | 233 | 253 | 269 | 279 | 289 | 302 | 304 | 320 | 320 | 330 | 337 | 344 | 355 | 356 | 364 | 374 | 379 |
| 649 | 5 | M | 116 | 146 | 176 | 202 | 224 | 242 | 256 | 268 | 280 | 287 | 292 | 297 | 307 | 313 | 322 | 324 | 339 | 344 | 350 | 360 | 366 |
| 650 | 5 | M | 114 | 137 | 162 | 180 | 192 | 202 | 210 | 220 | 229 | 237 | 245 | 252 | 256 | 270 | 271 | 274 | 292 | 299 | 300 | 311 | 316 |
| 651 | 5 | M | 97 | 124 | 154 | 188 | 213 | 232 | 245 | 258 | 269 | 278 | 286 | 296 | 308 | 307 | 312 | 326 | 335 | 338 | 351 | 356 | 359 |
| 652 | 5 | M | 108 | 129 | 159 | 181 | 201 | 221 | 236 | 247 | 252 | 264 | 268 | 278 | 288 | 290 | 296 | 303 | 305 | 314 | 318 | 325 | 330 |
| 653 | 5 | M | 86 | 113 | 141 | 174 | 198 | 215 | 231 | 244 | 258 | 265 | 272 | 277 | 291 | 293 | 299 | 310 | 321 | 325 | 333 | 338 | 350 |
| 654 | 5 | M | 104 | 127 | 153 | 184 | 205 | 228 | 240 | 259 | 260 | 269 | 284 | 287 | 298 | 302 | 307 | 314 | 328 | 327 | 334 | 339 | 341 |
| 655 | 5 | M | 98 | 146 | 179 | 207 | 224 | 242 | 255 | 268 | 278 | 287 | 294 | 278 | 303 | 308 | 317 | 326 | 335 | 341 | 340 | 354 | 358 |
| 656 | 5 | M | 116 | 120 | 144 | 158 | 175 | 186 | 195 | 201 | 208 | 216 | 219 | 229 | 232 | 238 | 241 | 244 | 252 | 256 | 260 | 264 | 270 |
| 657 | 5 | M | 98 | 130 | 169 | 204 | 229 | 251 | 267 | 281 | 286 | 296 | 306 | 313 | 328 | 332 | 345 | 348 | 358 | 364 | 369 | 371 | 379 |
| 658 | 5 | M | 105 | 134 | 167 | 198 | 219 | 237 | 252 | 263 | 271 | 274 | 282 | 294 | 297 | 306 | 313 | 320 | 325 | 335 | 338 | 346 | 354 |
| 659 | 5 | M | 107 | 131 | 164 | 190 | 211 | 230 | 244 | 256 | 265 | 270 | 280 | 286 | 289 | 301 | 303 | 313 | 324 | 327 | 335 | 338 | 341 |
| 660 | 5 | M | 82 | 104 | 135 | 165 | 189 | 209 | 226 | 238 | 250 | 256 | 263 | 266 | 280 | 288 | 291 | 297 | 309 | 317 | 319 | 326 | 333 |
| 661 | 5 | M | 100 | 127 | 160 | 186 | 204 | 239 | 233 | 241 | 254 | 260 | 270 | 277 | 284 | 289 | 294 | 298 | 322 | 321 | 331 | 332 | 340 |
| 662 | 5 | M | 96 | 128 | 160 | 195 | 220 | 220 | 253 | 260 | 276 | 283 | 287 | 297 | 306 | 313 | 321 | 323 | 335 | 342 | 348 | 354 | 366 |
| 663 | 5 | M | 111 | 136 | 160 | 184 | 201 | 223 | 230 | 234 | 243 | 254 | 259 | 267 | 276 | 281 | 288 | 297 | 307 | 315 | 323 | 325 | 330 |
| 664 | 5 | M | 110 | 134 | 167 | 186 | 200 | 216 | 230 | 242 | 251 | 262 | 265 | 274 | 276 | 285 | 290 | 295 | 308 | 315 | 326 | 325 | 334 |
| 665 | 5 | M | 100 | 127 | 155 | 176 | 196 | 214 | 230 | 242 | 250 | 251 | 258 | 266 | 272 | 283 | 287 | 291 | 302 | 308 | 315 | 320 | 327 |
| 666 | 5 | M | 112 | 139 | 174 | 197 | 214 | 237 | 246 | 257 | 267 | 269 | 275 | 282 | 292 | 292 | 300 | 303 | 316 | 325 | 328 | 333 | 339 |
| 667 | 5 | M | 124 | 140 | 175 | 198 | 219 | 239 | 250 | 264 | 269 | 284 | 285 | 289 | 304 | 311 | 313 | 319 | 341 | 343 | 354 | 358 | 369 |
| 668 | 5 | M | 127 | 147 | 186 | 210 | 224 | 245 | 255 | 267 | 280 | 287 | 293 | 298 | 305 | 306 | 310 | 307 | 325 | 327 | 335 | 343 | 344 |
| 669 | 5 | M | 94 | 109 | 144 | 171 | 188 | 210 | 222 | 233 | 245 | 254 | 264 | 271 | 277 | 281 | 289 | 293 | 302 | 306 | 314 | 328 | 329 |
| 670 | 5 | M | 115 | 140 | 170 | 196 | 217 | 240 | 257 | 270 | 283 | 294 | 300 | 309 | 313 | 321 | 327 | 335 | 350 | 354 | 352 | 356 | 367 |
| 671 | 5 | M | 102 | 124 | 148 | 167 | 188 | 211 | 230 | 232 | 245 | 255 | 263 | 266 | 279 | 285 | 286 | 294 | 301 | 307 | 314 | 326 | 335 |
| 672 | 5 | M | 106 | 127 | 147 | 163 | 181 | 205 | 218 | 227 | 242 | 247 | 256 | 263 | 273 | 280 | 284 | 291 | 299 | 304 | 312 | 321 | 322 |
| 673 | 5 | M | 88 | 117 | 148 | 178 | 202 | 268 | 241 | 250 | 263 | 269 | 284 | 288 | 298 | 298 | 309 | 317 | 325 | 329 | 336 | 342 | 350 |
| 674 | 5 | M | 115 | 143 | 180 | 212 | 234 | 255 | 272 | 280 | 291 | 302 | 311 | 317 | 325 | 323 | 328 | 344 | 356 | 362 | 365 | 369 | 377 |
| 675 | 5 | M | 117 | 151 | 187 | 219 | 242 | 227 | 284 | 298 | 306 | 319 | 329 | 337 | 350 | 352 | 361 | 369 | 387 | 382 | 399 | 402 | 412 |
| 676 | 5 | F | 97 | 115 | 126 | 140 | 142 | 151 | 155 | 161 | 162 | 169 | 169 | 174 | 176 | 177 | 182 | 178 | 185 | 185 | 189 | 189 | 194 |
| 677 | 5 | F | 94 | 111 | 120 | 132 | 138 | 145 | 150 | 151 | 158 | 160 | 159 | 166 | 165 | 166 | 168 | 171 | 175 | 176 | 176 | 182 | 183 |
| 678 | 5 | F | 89 | 108 | 119 | 133 | 133 | 143 | 146 | 153 | 153 | 156 | 158 | 161 | 164 | 165 | 166 | 166 | 168 | 170 | 173 | 171 | 178 |
| 679 | 5 | F | 96 | 113 | 130 | 142 | 144 | 153 | 156 | 165 | 164 | 171 | 172 | 176 | 176 | 182 | 181 | 184 | 186 | 183 | 189 | 192 | 195 |
| 680 | 5 | F | 103 | 118 | 132 | 141 | 150 | 154 | 162 | 170 | 169 | 174 | 175 | 177 | 180 | 183 | 182 | 185 | 188 | 191 | 193 | 190 | 192 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 681 | 5 | F | 74 | 91 | 107 | 118 | 125 | 133 | 140 | 148 | 153 | 156 | 159 | 165 | 163 | 168 | 164 | 173 | 177 | 177 | 180 | 180 | 184 |
| 682 | 5 | F | 80 | 95 | 109 | 123 | 130 | 139 | 143 | 149 | 150 | 151 | 155 | 162 | 164 | 162 | 165 | 169 | 173 | 170 | 175 | 178 | 179 |
| 683 | 5 | F | 80 | 96 | 107 | 117 | 123 | 130 | 136 | 141 | 142 | 147 | 147 | 148 | 150 | 155 | 155 | 155 | 159 | 162 | 165 | 164 | 170 |
| 684 | 5 | F | 81 | 96 | 108 | 122 | 131 | 136 | 143 | 147 | 152 | 156 | 158 | 163 | 158 | 166 | 151 | 170 | 172 | 173 | 176 | 177 | 181 |
| 685 | 5 | F | 87 | 104 | 118 | 138 | 144 | 149 | 159 | 164 | 165 | 170 | 171 | 177 | 180 | 178 | 180 | 184 | 187 | 186 | 187 | 192 | 189 |
| 686 | 5 | F | 88 | 105 | 119 | 136 | 140 | 148 | 152 | 154 | 162 | 162 | 168 | 168 | 170 | 177 | 174 | 176 | 182 | 181 | 183 | 182 | 188 |
| 687 | 5 | F | 103 | 115 | 130 | 142 | 146 | 150 | 156 | 160 | 162 | 167 | 169 | 173 | 172 | 187 | 176 | 181 | 186 | 184 | 186 | 190 | 190 |
| 688 | 5 | F | 75 | 92 | 108 | 123 | 133 | 142 | 144 | 148 | 152 | 155 | 161 | 163 | 163 | 166 | 166 | 170 | 175 | 173 | 177 | 181 | 184 |
| 689 | 5 | F | 52 | 73 | 90 | 109 | 120 | 130 | 132 | 136 | 139 | 144 | 151 | 150 | 154 | 154 | 159 | 161 | 169 | 168 | 168 | 172 | 178 |
| 690 | 5 | F | 108 | 121 | 138 | 150 | 157 | 164 | 169 | 172 | 178 | 179 | 186 | 183 | 191 | 191 | 195 | 194 | 199 | 198 | 201 | 202 | 197 |
| 691 | 5 | F | 82 | 101 | 117 | 132 | 141 | 147 | 154 | 156 | 162 | 165 | 168 | 171 | 173 | 176 | 177 | 182 | 185 | 184 | 185 | 189 | 194 |
| 692 | 5 | F | 112 | 128 | 143 | 152 | 158 | 166 | 170 | 173 | 178 | 181 | 187 | 184 | 189 | 191 | 198 | 202 | 192 | 204 | 211 | 215 | 214 |
| 693 | 5 | F | 100 | 112 | 127 | 136 | 143 | 150 | 156 | 157 | 162 | 164 | 167 | 173 | 174 | 176 | 174 | 179 | 185 | 183 | 188 | 185 | 192 |
| 694 | 5 | F | 83 | 101 | 118 | 134 | 141 | 151 | 154 | 158 | 165 | 165 | 174 | 172 | 176 | 176 | 174 | 182 | 189 | 187 | 188 | 187 | 190 |
| 695 | 5 | F | 83 | 99 | 116 | 130 | 141 | 146 | 152 | 158 | 161 | 167 | 172 | 176 | 179 | 180 | 181 | 184 | 188 | 191 | 192 | 195 | 199 |
| 696 | 5 | F | 77 | 97 | 112 | 124 | 136 | 143 | 146 | 151 | 158 | 158 | 171 | 165 | 167 | 170 | 170 | 174 | 179 | 179 | 181 | 181 | 187 |
| 697 | 5 | F | 96 | 109 | 124 | 134 | 134 | 152 | 158 | 161 | 164 | 169 | 172 | 170 | 174 | 179 | 174 | 177 | 188 | 187 | 183 | 182 | 191 |
| 698 | 5 | F | 87 | 103 | 117 | 126 | 139 | 143 | 150 | 154 | 160 | 163 | 165 | 168 | 173 | 175 | 175 | 178 | 184 | 186 | 186 | 189 | 191 |
| 699 | 5 | F | 102 | 119 | 133 | 142 | 152 | 156 | 161 | 164 | 165 | 174 | 177 | 179 | 181 | 184 | 185 | 184 | 189 | 190 | 194 | 195 | 203 |
| 700 | 5 | F | 74 | 93 | 109 | 126 | 136 | 140 | 146 | 151 | 155 | 160 | 161 | 163 | 168 | 177 | 178 | 173 | 181 | 185 | 188 | 188 | 192 |
| 701 | 5 | F | 100 | 113 | 125 | 136 | 141 | 142 | 150 | 152 | 159 | 160 | 165 | 165 | 168 | 170 | 174 | 171 | 180 | 184 | 182 | 185 | 186 |
| 702 | 5 | F | 84 | 100 | 115 | 129 | 136 | 139 | 145 | 149 | 155 | 156 | 162 | 163 | 162 | 168 | 167 | 169 | 173 | 174 | 176 | 176 | 179 |
| 703 | 5 | F | 92 | 107 | 122 | 133 | 142 | 147 | 151 | 155 | 156 | 163 | 164 | 168 | 172 | 172 | 174 | 172 | 183 | 180 | 184 | 186 | 187 |
| 704 | 5 | F | 64 | 80 | 94 | 106 | 118 | 124 | 127 | 134 | 139 | 140 | 145 | 145 | 146 | 147 | 151 | 147 | 155 | 160 | 159 | 162 | 166 |
| 705 | 5 | F | 92 | 103 | 115 | 123 | 129 | 133 | 140 | 139 | 141 | 146 | 146 | 150 | 154 | 156 | 157 | 156 | 167 | 168 | 169 | 176 | 174 |
| 706 | 5 | F | 86 | 97 | 109 | 118 | 124 | 128 | 130 | 134 | 136 | 140 | 139 | 142 | 145 | 145 | 145 | 145 | 148 | 153 | 152 | 156 | 153 |
| 707 | 5 | F | 75 | 94 | 110 | 125 | 131 | 138 | 141 | 148 | 151 | 155 | 157 | 163 | 166 | 171 | 168 | 167 | 177 | 177 | 177 | 184 | 181 |
| 708 | 5 | F | 94 | 106 | 121 | 127 | 139 | 143 | 150 | 156 | 169 | 162 | 166 | 171 | 172 | 174 | 176 | 177 | 184 | 182 | 183 | 186 | 190 |
| 709 | 5 | F | 72 | 90 | 104 | 119 | 129 | 139 | 143 | 150 | 151 | 157 | 161 | 162 | 166 | 169 | 168 | 170 | 177 | 178 | 177 | 183 | 181 |
| 710 | 5 | F | 102 | 113 | 127 | 134 | 142 | 145 | 153 | 158 | 164 | 166 | 165 | 170 | 173 | 177 | 176 | 178 | 181 | 178 | 184 | 188 | 188 |
| 711 | 5 | F | 110 | 123 | 134 | 144 | 151 | 154 | 163 | 162 | 166 | 166 | 171 | 170 | 174 | 172 | 178 | 180 | 187 | 183 | 188 | 191 | 189 |
| 712 | 5 | F | 87 | 97 | 109 | 117 | 121 | 130 | 135 | 139 | 142 | 145 | 149 | 150 | 151 | 156 | 159 | 160 | 165 | 165 | 166 | 171 | 174 |
| 713 | 5 | F | 95 | 108 | 120 | 133 | 138 | 144 | 150 | 153 | 155 | 162 | 161 | 164 | 169 | 169 | 170 | 170 | 171 | 176 | 173 | 181 | 180 |
| 714 | 5 | F | 101 | 112 | 124 | 133 | 135 | 144 | 150 | 154 | 155 | 157 | 164 | 165 | 165 | 172 | 172 | 172 | 178 | 181 | 180 | 184 | 191 |
| 715 | 5 | F | 80 | 100 | 118 | 131 | 135 | 143 | 145 | 154 | 157 | 161 | 162 | 165 | 168 | 168 | 172 | 173 | 181 | 180 | 181 | 186 | 189 |
| 716 | 5 | F | 68 | 89 | 108 | 124 | 138 | 150 | 156 | 161 | 167 | 168 | 170 | 173 | 171 | 176 | 177 | 179 | 187 | 186 | 184 | 188 | 190 |
| 717 | 5 | F | 81 | 103 | 124 | 134 | 143 | 149 | 154 | 160 | 165 | 169 | 174 | 174 | 181 | 183 | 184 | 180 | 187 | 187 | 188 | 190 | 194 |
| 718 | 5 | F | 98 | 115 | 128 | 134 | 137 | 146 | 150 | 153 | 160 | 160 | 163 | 163 | 170 | 169 | 172 | 169 | 179 | 179 | 176 | 184 | 181 |
| 719 | 5 | F | 79 | 98 | 113 | 126 | 134 | 142 | 149 | 153 | 158 | 158 | 161 | 161 | 167 | 168 | 168 | 169 | 179 | 181 | 176 | 180 | 187 |
| 720 | 5 | F | 71 | 94 | 109 | 122 | 129 | 137 | 142 | 144 | 151 | 156 | 158 | 162 | 167 | 168 | 168 | 170 | 174 | 174 | 176 | 181 | 182 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
*TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT*
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 721 | 5 | F | 94 | 109 | 126 | 139 | 146 | 152 | 154 | 161 | 164 | 167 | 171 | 175 | 177 | 184 | 184 | 184 | 181 | 191 | 197 | 199 | 201 |
| 722 | 5 | F | 95 | 106 | 116 | 130 | 135 | 147 | 154 | 156 | 163 | 168 | 169 | 172 | 173 | 180 | 181 | 183 | 188 | 192 | 192 | 201 | 199 |
| 723 | 5 | F | 80 | 97 | 116 | 128 | 136 | 141 | 146 | 152 | 156 | 160 | 159 | 163 | 165 | 172 | 174 | 176 | 181 | 182 | 186 | 189 | 189 |
| 724 | 5 | F | 95 | 110 | 124 | 136 | 142 | 154 | 160 | 160 | 165 | 167 | 169 | 170 | 174 | 177 | 176 | 177 | 178 | 166 | 183 | 188 | 170 |
| 725 | 5 | F | 76 | 94 | 111 | 119 | 129 | 140 | 145 | 152 | 153 | 154 | 161 | 165 | 163 | 169 | 170 | 170 | 172 | 159 | 176 | 183 | 166 |
| 726 | 5 | F | 81 | 100 | 118 | 129 | 135 | 142 | 150 | 148 | 154 | 159 | 157 | 159 | 158 | 165 | 163 | 165 | 172 | 155 | 174 | 177 | 165 |
| 727 | 5 | F | 94 | 107 | 121 | 130 | 133 | 144 | 146 | 152 | 154 | 157 | 160 | 163 | 166 | 170 | 173 | 172 | 175 | 167 | 179 | 180 | 186 |
| 728 | 5 | F | 110 | 122 | 132 | 140 | 144 | 154 | 158 | 162 | 165 | 170 | 173 | 181 | 177 | 181 | 182 | 183 | 186 | 190 | 187 | 194 | 196 |
| 729 | 5 | F | 74 | 92 | 112 | 126 | 132 | 141 | 144 | 150 | 153 | 161 | 162 | 163 | 164 | 168 | 170 | 175 | 175 | 180 | 181 | 186 | 188 |
| 730 | 5 | F | 87 | 102 | 119 | 125 | 131 | 141 | 143 | 146 | 146 | 150 | 153 | 156 | 155 | 160 | 163 | 162 | 164 | 165 | 170 | 171 | 178 |
| 731 | 5 | F | 80 | 93 | 107 | 116 | 123 | 131 | 140 | 146 | 148 | 154 | 156 | 160 | 162 | 165 | 171 | 169 | 171 | 172 | 176 | 179 | 184 |
| 732 | 5 | F | 105 | 117 | 130 | 134 | 137 | 147 | 152 | 155 | 160 | 163 | 164 | 165 | 168 | 167 | 173 | 174 | 177 | 177 | 178 | 181 | 186 |
| 733 | 5 | F | 109 | 124 | 140 | 150 | 154 | 162 | 168 | 171 | 176 | 178 | 180 | 186 | 186 | 188 | 191 | 192 | 198 | 200 | 201 | 210 | 213 |
| 734 | 5 | F | 70 | 92 | 111 | 126 | 135 | 148 | 155 | 161 | 164 | 165 | 170 | 174 | 180 | 183 | 183 | 188 | 192 | 192 | 196 | 195 | 199 |
| 735 | 5 | F | 98 | 110 | 126 | 135 | 143 | 154 | 158 | 162 | 170 | 170 | 172 | 175 | 179 | 182 | 179 | 184 | 184 | 182 | 189 | 190 | 191 |
| 736 | 5 | F | 95 | 114 | 129 | 138 | 142 | 152 | 156 | 163 | 167 | 169 | 168 | 174 | 177 | 179 | 182 | 184 | 185 | 187 | 190 | 194 | 196 |
| 737 | 5 | F | 107 | 123 | 137 | 143 | 156 | 158 | 162 | 168 | 169 | 176 | 172 | 177 | 176 | 181 | 186 | 188 | 193 | 192 | 196 | 196 | 196 |
| 738 | 5 | F | 94 | 110 | 123 | 134 | 141 | 149 | 153 | 159 | 159 | 167 | 165 | 171 | 171 | 174 | 174 | 178 | 180 | 180 | 182 | 185 | 189 |
| 739 | 5 | F | 90 | 110 | 114 | 138 | 148 | 150 | 155 | 156 | 162 | 167 | 169 | 170 | 172 | 176 | 178 | 181 | 184 | 187 | 190 | 189 | 195 |
| 740 | 5 | F | 80 | 87 | 128 | 128 | 133 | 148 | 150 | 156 | 158 | 159 | 163 | 162 | 166 | 171 | 171 | 168 | 175 | 180 | 176 | 178 | 183 |
| 741 | 5 | F | 103 | 114 | 128 | 135 | 143 | 155 | 160 | 162 | 170 | 172 | 172 | 177 | 176 | 186 | 180 | 187 | 189 | 187 | 195 | 196 | 201 |
| 742 | 5 | F | 90 | 104 | 120 | 128 | 137 | 146 | 150 | 154 | 156 | 161 | 160 | 169 | 167 | 177 | 175 | 177 | 181 | 181 | 188 | 192 | 190 |
| 743 | 5 | F | 107 | 120 | 130 | 138 | 149 | 152 | 156 | 160 | 164 | 165 | 166 | 168 | 166 | 173 | 170 | 176 | 180 | 173 | 179 | 181 | 183 |
| 744 | 5 | F | 80 | 99 | 113 | 129 | 149 | 151 | 156 | 161 | 163 | 169 | 165 | 171 | 170 | 179 | 180 | 182 | 181 | 179 | 185 | 185 | 188 |
| 745 | 5 | F | 93 | 107 | 122 | 130 | 142 | 150 | 150 | 158 | 160 | 166 | 167 | 168 | 170 | 170 | 173 | 175 | 183 | 182 | 182 | 187 | 194 |
| 746 | 5 | F | 67 | 90 | 111 | 120 | 131 | 140 | 142 | 150 | 153 | 160 | 160 | 159 | 164 | 169 | 168 | 173 | 175 | 177 | 183 | 186 | 188 |
| 747 | 5 | F | 84 | 103 | 119 | 128 | 133 | 144 | 149 | 156 | 160 | 163 | 168 | 169 | 171 | 173 | 173 | 178 | 181 | 180 | 184 | 182 | 192 |
| 748 | 5 | F | 82 | 103 | 119 | 130 | 140 | 149 | 155 | 160 | 162 | 166 | 165 | 167 | 170 | 170 | 172 | 181 | 179 | 180 | 180 | 186 | 188 |
| 749 | 5 | F | 107 | 119 | 129 | 139 | 153 | 159 | 161 | 169 | 171 | 171 | 171 | 174 | 176 | 182 | 182 | 186 | 190 | 190 | 190 | 195 | 200 |
| 750 | 5 | F | 99 | 111 | 123 | 126 | 135 | 139 | 143 | 148 | 152 | 158 | 163 | 164 | 162 | 167 | 164 | 168 | 169 | 167 | 172 | 176 | 176 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 1 | 1 | M | 407 | 410 | 414 | 426 | 430 | 426 | 433 | 439 | 452 | 454 | 443 | 457 | 437 | --- | --- | --- | --- | --- | --- | --- |
| 2 | 1 | M | 418 | 432 | 436 | 445 | 443 | 457 | 452 | 445 | 458 | 468 | 417 | 441 | 454 | 451 | 453 | 451 | 475 | 453 | 466 | 485 |
| 3 | 1 | M | 378 | 386 | 391 | 391 | 393 | 406 | 406 | 414 | 426 | 427 | 381 | 417 | 419 | 427 | 437 | 438 | 444 | 445 | 444 | 454 |
| 4 | 1 | M | 403 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 1 | M | 380 | 373 | 388 | 403 | 402 | 392 | 410 | 414 | 422 | 428 | 419 | 421 | 430 | 428 | 428 | 436 | 433 | 439 | 441 | 446 |
| 6 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 1 | M | 407 | 419 | 431 | 437 | 437 | 449 | 451 | 457 | 461 | 465 | 468 | 474 | 484 | 478 | 482 | 488 | 493 | 496 | 492 | 494 |
| 8 | 1 | M | 440 | 451 | 458 | 463 | 466 | 484 | 476 | 484 | 493 | 498 | 454 | 487 | 501 | 495 | 502 | 510 | 510 | 514 | 510 | 515 |
| 9 | 1 | M | 424 | 444 | 441 | 451 | 453 | 464 | 472 | 471 | 483 | 488 | 439 | 467 | 482 | 478 | 485 | 497 | 495 | 507 | 501 | 510 |
| 10 | 1 | M | 392 | 401 | 411 | 419 | 420 | 428 | 430 | 435 | 437 | 441 | 402 | 428 | 441 | 439 | 433 | 435 | 431 | 442 | 442 | 449 |
| 11 | 1 | M | 386 | 397 | 403 | 410 | 413 | 419 | 418 | 420 | 429 | 434 | 397 | 423 | 438 | 441 | --- | --- | --- | --- | --- | --- |
| 12 | 1 | M | 368 | 381 | 382 | 386 | 392 | 400 | 403 | 404 | 408 | 412 | 394 | 410 | 415 | --- | --- | --- | --- | --- | --- | --- |
| 13 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 1 | M | 413 | 422 | 428 | 432 | 436 | 445 | 448 | 454 | 460 | 465 | 448 | 461 | 474 | 461 | 473 | 470 | 481 | 484 | 485 | 493 |
| 15 | 1 | M | 393 | 407 | 416 | 426 | 425 | 435 | 444 | 445 | 447 | 451 | 435 | 452 | 454 | 463 | 464 | 466 | 474 | 480 | 483 | 463 |
| 16 | 1 | M | 386 | 394 | 398 | 404 | 411 | 412 | 420 | 424 | 435 | 434 | 427 | 419 | 429 | 436 | 434 | 433 | 440 | 451 | 452 | 450 |
| 17 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 1 | M | 407 | 414 | 426 | 435 | 434 | 443 | 449 | 450 | 459 | 466 | 463 | 471 | 467 | --- | --- | --- | --- | --- | --- | --- |
| 19 | 1 | M | 356 | 356 | 351 | 336 | 337 | 328 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 1 | M | 427 | 431 | 440 | 447 | 450 | 464 | 465 | 468 | 481 | 476 | 485 | 495 | 509 | 498 | --- | --- | --- | --- | --- | --- |
| 21 | 1 | M | 387 | 391 | 395 | 400 | 399 | 403 | 404 | 406 | 415 | 418 | 393 | 414 | 423 | 421 | 393 | 412 | 418 | 416 | 415 | 417 |
| 22 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 1 | M | 356 | 362 | 368 | 383 | 376 | 391 | 391 | 396 | 398 | 400 | 395 | 407 | 418 | 410 | 416 | 426 | 427 | 435 | 426 | 432 |
| 24 | 1 | M | 385 | 397 | 410 | 417 | 419 | 427 | 435 | 436 | 440 | 446 | 430 | 442 | 444 | 446 | 450 | 452 | 451 | 463 | 463 | 463 |
| 25 | 1 | M | 367 | 369 | 370 | 376 | 377 | 384 | 387 | 390 | 390 | 399 | 397 | 396 | 405 | 407 | 409 | 411 | 419 | 418 | 421 | 422 |
| 26 | 1 | M | 407 | 418 | 421 | 429 | 422 | 433 | 430 | 440 | 444 | 446 | 453 | 452 | 464 | 467 | 474 | 471 | 473 | 485 | 492 | 495 |
| 27 | 1 | M | 388 | 411 | 416 | 428 | 424 | 441 | 438 | 447 | 453 | 456 | 463 | 463 | 468 | --- | --- | --- | --- | --- | --- | --- |
| 28 | 1 | M | 416 | 425 | 429 | 432 | 433 | 435 | 438 | 449 | 453 | 453 | 423 | 443 | 444 | 443 | 433 | 440 | 452 | 455 | 457 | 455 |
| 29 | 1 | M | 417 | 422 | 424 | 431 | 434 | 438 | 446 | 450 | 459 | 464 | 449 | 457 | 455 | 456 | 461 | 465 | 460 | 462 | 455 | 461 |
| 30 | 1 | M | 396 | 409 | 414 | 427 | 417 | 428 | 431 | 435 | 444 | 447 | 426 | 444 | 448 | 444 | 450 | 458 | 461 | 463 | 461 | 462 |
| 31 | 1 | M | 356 | 361 | 366 | 370 | 371 | 386 | 389 | 396 | 398 | 398 | 386 | 396 | 399 | 398 | 402 | 404 | 416 | 415 | 419 | 415 |
| 32 | 1 | M | 418 | 432 | 450 | 457 | 463 | 468 | 479 | 483 | 485 | 498 | 468 | 496 | 497 | 496 | 494 | 512 | 506 | 514 | 525 | 521 |
| 33 | 1 | M | 393 | 399 | 410 | 419 | 422 | 422 | 428 | 435 | 441 | 444 | 443 | 454 | 444 | 454 | 457 | 460 | 454 | 469 | 462 | 458 |
| 34 | 1 | M | 414 | 422 | 428 | 437 | 440 | 441 | 434 | 445 | 457 | 460 | 440 | 448 | 460 | 458 | 461 | 466 | 472 | 477 | 478 | 484 |
| 35 | 1 | M | 402 | 407 | 408 | 418 | 420 | 421 | 424 | 426 | 431 | 442 | 440 | 442 | 453 | 442 | 452 | 457 | 459 | 466 | 468 | 472 |
| 36 | 1 | M | 398 | 404 | 410 | 426 | 421 | 428 | 434 | 431 | 434 | 435 | 438 | 442 | 455 | 447 | 454 | 464 | 458 | 466 | 470 | 469 |
| 37 | 1 | M | 440 | 455 | 456 | 472 | 468 | 449 | 465 | 478 | 494 | 496 | 464 | 484 | 495 | 498 | 506 | 514 | 508 | 509 | 514 | 520 |
| 38 | 1 | M | 424 | 430 | 434 | 441 | 441 | 428 | 431 | 448 | 460 | 465 | 425 | 453 | 465 | 468 | 475 | 481 | 481 | 486 | 484 | 485 |
| 39 | 1 | M | 395 | 401 | 410 | 420 | 419 | 410 | 411 | 424 | 437 | 447 | 437 | 441 | 444 | --- | --- | --- | --- | --- | --- | --- |
| 40 | 1 | M | 377 | 382 | 393 | 400 | 406 | 416 | 412 | 415 | 420 | 403 | 421 | 425 | 426 | 430 | 440 | 440 | 437 | 455 | 456 | 452 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 344 | 354 | 358 | 364 | 364 | 369 | 374 | 376 | 378 | 349 | 366 | 378 | 384 | 374 | 388 | 379 | 379 | 376 | 376 | 375 |
| 42 | 1 | M | 397 | 406 | 422 | 421 | 426 | 432 | 438 | 434 | 445 | 431 | 442 | 451 | 455 | 465 | 466 | 478 | 476 | 481 | 474 | 482 |
| 43 | 1 | M | 372 | 372 | 372 | 393 | 406 | 416 | 416 | 416 | 424 | 417 | 425 | 430 | 429 | 420 | 435 | 450 | 444 | 459 | 452 | 454 |
| 44 | 1 | M | 381 | 368 | 375 | 396 | 403 | 404 | 414 | 402 | 414 | 408 | 403 | 417 | 420 | 414 | 424 | 432 | 436 | 436 | 437 | 438 |
| 45 | 1 | M | 430 | 422 | 422 | 458 | 467 | 457 | 464 | 455 | 469 | 467 | 474 | 480 | 487 | --- | --- | --- | --- | --- | --- | --- |
| 46 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47 | 1 | M | 356 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48 | 1 | M | 401 | 406 | 412 | 425 | 438 | 434 | 437 | 437 | 453 | 447 | 459 | 468 | 473 | 468 | 476 | 483 | 483 | 495 | 487 | 484 |
| 49 | 1 | M | 410 | 412 | 426 | 435 | 441 | 443 | 448 | 448 | 455 | 460 | 451 | 466 | 470 | 472 | 474 | 484 | 486 | 492 | 493 | 500 |
| 50 | 1 | M | 376 | 391 | 399 | 408 | 422 | 414 | 421 | 425 | 436 | 435 | 428 | 439 | 432 | 438 | --- | --- | --- | --- | --- | --- |
| 51 | 1 | M | 415 | 421 | 428 | 439 | 451 | 454 | 461 | 460 | 465 | 462 | 454 | 468 | 472 | 476 | 471 | 476 | 483 | 486 | 488 | 487 |
| 52 | 1 | M | 369 | 378 | 382 | 386 | 395 | 402 | 398 | 406 | 407 | 404 | 410 | 417 | 418 | 418 | 426 | 430 | 429 | 438 | 435 | 431 |
| 53 | 1 | M | 390 | 408 | 415 | 418 | 432 | 432 | 436 | 441 | 444 | 435 | 433 | 443 | 448 | 444 | 459 | 467 | 474 | 482 | 478 | 478 |
| 54 | 1 | M | 420 | 433 | 434 | 441 | 449 | 452 | 458 | 460 | 467 | 425 | 441 | 453 | 468 | 460 | 463 | 473 | 471 | 477 | 480 | 479 |
| 55 | 1 | M | 390 | 401 | 408 | 412 | 423 | 424 | 424 | 418 | 439 | 407 | 426 | 435 | 444 | 433 | 435 | 443 | 446 | 454 | 450 | 448 |
| 56 | 1 | M | 389 | 403 | 408 | 413 | 426 | 422 | 422 | 423 | 434 | 407 | 410 | 427 | 434 | 432 | 440 | 444 | 446 | 451 | 449 | 448 |
| 57 | 1 | M | 381 | 392 | 398 | 408 | 415 | 414 | 418 | 415 | 429 | 413 | 425 | 434 | 448 | 438 | 443 | 454 | 460 | 464 | 462 | 459 |
| 58 | 1 | M | 387 | 398 | 402 | 409 | 412 | 418 | 424 | 431 | 433 | 432 | 424 | 440 | 448 | 447 | 453 | 462 | 470 | 456 | 470 | 471 |
| 59 | 1 | M | 411 | 424 | 435 | 438 | 442 | 451 | 447 | 451 | 460 | 450 | 456 | 469 | 470 | 466 | 467 | 468 | 469 | 476 | 478 | 474 |
| 60 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 61 | 1 | M | 382 | 389 | 393 | 401 | 414 | 407 | 413 | 418 | 421 | 383 | 392 | 408 | 418 | 415 | 415 | 419 | 419 | 433 | 431 | 434 |
| 62 | 1 | M | 366 | 367 | 373 | 380 | 377 | 386 | 392 | 392 | 395 | 356 | 395 | 401 | 400 | 406 | 409 | 409 | 414 | 419 | 414 | 420 |
| 63 | 1 | M | 391 | 403 | 411 | 417 | 425 | 432 | 437 | 440 | 458 | 441 | 437 | 446 | 450 | 452 | 461 | 474 | 475 | 487 | 485 | 487 |
| 64 | 1 | M | 375 | 383 | 390 | 396 | 395 | 399 | 414 | 413 | 418 | 395 | 408 | 417 | 410 | 423 | 418 | 424 | 423 | 432 | 432 | 429 |
| 65 | 1 | M | 437 | 439 | 447 | 458 | 457 | 464 | 468 | 462 | 466 | 445 | 460 | 472 | 472 | 479 | 477 | 484 | 488 | 496 | 490 | 498 |
| 66 | 1 | M | 342 | 351 | 361 | 364 | 367 | 367 | 380 | 384 | 392 | 361 | 371 | 381 | 378 | 392 | 389 | 392 | 389 | 402 | 401 | 404 |
| 67 | 1 | M | 415 | 425 | 431 | 438 | 442 | 446 | 449 | 444 | 454 | 442 | 456 | 458 | 461 | 463 | --- | --- | --- | --- | --- | --- |
| 68 | 1 | M | 321 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 69 | 1 | M | 432 | 440 | 444 | 452 | 460 | 456 | 459 | 460 | 475 | 438 | 444 | 465 | 463 | 472 | 467 | 468 | 473 | 481 | 492 | 491 |
| 70 | 1 | M | 409 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 71 | 1 | M | 418 | 432 | 444 | 450 | 458 | 466 | 470 | 468 | 478 | 458 | 457 | 470 | 480 | 477 | 483 | 477 | 485 | 495 | 492 | 491 |
| 72 | 1 | M | 386 | 401 | 394 | 404 | 411 | 404 | 417 | 427 | 437 | 378 | 406 | 421 | 432 | 424 | 433 | 435 | 426 | 434 | 444 | 446 |
| 73 | 1 | M | 364 | 372 | 383 | 390 | 391 | 392 | 397 | 398 | 403 | 395 | 405 | 408 | 408 | 402 | 408 | 412 | 407 | 417 | 393 | 410 |
| 74 | 1 | M | 410 | 417 | 424 | 438 | 439 | 445 | 450 | 454 | 468 | 447 | 460 | 455 | 462 | 464 | 466 | 470 | 470 | 474 | 469 | 472 |
| 75 | 1 | M | 416 | 419 | 424 | 430 | 439 | 443 | 443 | 446 | 446 | 447 | 454 | 450 | 449 | 464 | 457 | 460 | 467 | 471 | 468 | 468 |
| 76 | 1 | F | 206 | 209 | 213 | 208 | 215 | 222 | 221 | 223 | 229 | 235 | 220 | 237 | 233 | 236 | 242 | 259 | 259 | 264 | 275 | 282 |
| 77 | 1 | F | 201 | 206 | 212 | 211 | 207 | 217 | 221 | 225 | 228 | 228 | 234 | 239 | 239 | 237 | 248 | 256 | 264 | 275 | 283 | 291 |
| 78 | 1 | F | 215 | 215 | 221 | 224 | 223 | 226 | 224 | 237 | 242 | 243 | 251 | 251 | 257 | 260 | --- | --- | --- | --- | --- | --- |
| 79 | 1 | F | 223 | 219 | 229 | 231 | 230 | 241 | 244 | 242 | 244 | 250 | 248 | 255 | 254 | 268 | 280 | 285 | 291 | 305 | 308 | 316 |
| 80 | 1 | F | 200 | 206 | 209 | 215 | 212 | 223 | 226 | 237 | 232 | 244 | 246 | 252 | 255 | 263 | 270 | 277 | 281 | 288 | 288 | 294 |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 81 | 1 | F | 216 | 217 | 221 | 222 | 219 | 226 | 226 | 229 | 233 | 230 | 232 | 241 | 238 | 241 | 242 | 251 | 253 | 256 | 266 | 272 |
| 82 | 1 | F | 195 | 199 | 206 | 208 | 211 | 221 | 223 | 223 | 222 | 231 | 222 | 235 | 232 | 236 | 236 | 246 | 257 | 267 | 272 | 279 |
| 83 | 1 | F | 198 | 214 | 216 | 220 | 218 | 225 | 229 | 230 | 233 | 236 | 219 | 236 | 235 | 232 | 236 | 250 | 245 | 257 | 273 | 284 |
| 84 | 1 | F | 209 | 210 | 214 | 217 | 214 | 225 | 227 | 234 | 238 | 240 | 238 | 242 | 245 | 244 | 244 | 256 | 262 | 278 | 287 | 288 |
| 85 | 1 | F | 187 | 185 | 192 | 194 | 195 | 199 | 200 | 199 | 203 | 207 | 206 | 212 | 208 | 205 | 206 | 212 | 213 | 218 | 224 | 227 |
| 86 | 1 | F | 200 | 206 | 207 | 209 | 213 | 219 | 226 | 228 | 228 | 228 | 232 | 235 | 242 | --- | --- | --- | --- | --- | --- | --- |
| 87 | 1 | F | 187 | 193 | 199 | 201 | 201 | 208 | 210 | 211 | 215 | 213 | 215 | 217 | 223 | 227 | --- | --- | --- | --- | --- | --- |
| 88 | 1 | F | 173 | 168 | 169 | 171 | 169 | 177 | 180 | 182 | 177 | 178 | 180 | 182 | 184 | 186 | 192 | 193 | 198 | 201 | 211 | 213 |
| 89 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 91 | 1 | F | 219 | 222 | 224 | 230 | 233 | 239 | 237 | 237 | 245 | 244 | 240 | 246 | 246 | 250 | 253 | 253 | 259 | 256 | 265 | 273 |
| 92 | 1 | F | 218 | 213 | 216 | 215 | 219 | 227 | 229 | 231 | 234 | 236 | 235 | 236 | 240 | 242 | 242 | 250 | 255 | 255 | 256 | 263 |
| 93 | 1 | F | 197 | 205 | 206 | 202 | 202 | 208 | 214 | 214 | 214 | 216 | 212 | 214 | 220 | 216 | 219 | 223 | 231 | 233 | 239 | 238 |
| 94 | 1 | F | 215 | 219 | 219 | 217 | 217 | 232 | 225 | 227 | 233 | 240 | 239 | 245 | 244 | 247 | 254 | 262 | 264 | 282 | 293 | 296 |
| 95 | 1 | F | 215 | 224 | 223 | 222 | 217 | 219 | 229 | 226 | 234 | 234 | 229 | 234 | 238 | 234 | --- | --- | --- | --- | --- | --- |
| 96 | 1 | F | 194 | 199 | 206 | 210 | 211 | 223 | 224 | 227 | 231 | 231 | 233 | 236 | 251 | 247 | 252 | 261 | 270 | 273 | 279 | 280 |
| 97 | 1 | F | 218 | 221 | 220 | 229 | 229 | 230 | 236 | 235 | 244 | 249 | 244 | 250 | 250 | 250 | 255 | 258 | 270 | 274 | 277 | 282 |
| 98 | 1 | F | 208 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 99 | 1 | F | 197 | 206 | 207 | 209 | 208 | 215 | 219 | 218 | 222 | 217 | 213 | 234 | 221 | 227 | 228 | 239 | 241 | 247 | 254 | 261 |
| 100 | 1 | F | 193 | 201 | 204 | 205 | 204 | 212 | 216 | 216 | 215 | 216 | 217 | 223 | 228 | 233 | 238 | 245 | 250 | 256 | 262 | 269 |
| 101 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 102 | 1 | F | 200 | 205 | 206 | 208 | 206 | 214 | 221 | 216 | 212 | 230 | 228 | 235 | 244 | 256 | 264 | 273 | 275 | 279 | 284 | 286 |
| 103 | 1 | F | 203 | 207 | 209 | 214 | 210 | 222 | 217 | 217 | 223 | 226 | 208 | 227 | 226 | 221 | 226 | 231 | 230 | 238 | 240 | 245 |
| 104 | 1 | F | 206 | 207 | 203 | 203 | 210 | 218 | 216 | 219 | 221 | 220 | 210 | 234 | 232 | 226 | 232 | 233 | 234 | 247 | 258 | 257 |
| 105 | 1 | F | 209 | 217 | 222 | 223 | 224 | 232 | 233 | 236 | 241 | 243 | 244 | 246 | 237 | --- | --- | --- | --- | --- | --- | --- |
| 106 | 1 | F | 218 | 218 | 224 | 233 | 233 | 238 | 239 | 245 | 248 | 251 | 238 | 258 | 257 | 262 | 270 | 274 | 279 | 292 | 293 | 300 |
| 107 | 1 | F | 175 | 178 | 181 | 184 | 191 | 191 | 191 | 196 | 201 | 202 | 198 | 203 | 208 | 212 | 217 | 218 | 223 | 226 | 228 | 236 |
| 108 | 1 | F | 189 | 189 | 194 | 193 | 195 | 208 | 203 | 206 | 210 | 211 | 213 | 220 | 216 | 227 | 230 | 232 | 235 | 251 | 246 | 251 |
| 109 | 1 | F | 233 | 238 | 242 | 240 | 243 | 250 | 253 | 248 | 257 | 253 | 248 | 254 | 258 | 260 | 262 | 272 | 275 | 290 | 302 | 300 |
| 110 | 1 | F | 207 | 216 | 221 | 222 | 224 | 227 | 232 | 234 | 233 | 231 | 233 | 240 | 244 | 247 | 253 | 255 | 258 | 270 | 280 | 280 |
| 111 | 1 | F | 204 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 112 | 1 | F | 212 | 218 | 216 | 219 | 220 | 224 | 224 | 225 | 232 | 230 | 232 | 235 | 232 | 234 | 236 | 241 | 242 | 259 | 259 | 260 |
| 113 | 1 | F | 200 | 202 | 203 | 211 | 213 | 216 | 218 | 218 | 223 | 225 | 218 | 219 | 227 | 225 | 232 | 237 | 234 | 247 | 262 | 262 |
| 114 | 1 | F | 229 | 233 | 235 | 239 | 241 | 245 | 246 | 248 | 250 | 246 | 243 | 246 | 251 | 253 | 252 | 269 | 274 | 285 | 292 | 304 |
| 115 | 1 | F | 219 | 221 | 227 | 229 | 233 | 239 | 241 | 245 | 249 | 252 | 246 | 249 | 254 | 257 | --- | --- | --- | --- | --- | --- |
| 116 | 1 | F | 181 | 188 | 191 | 196 | 196 | 198 | 197 | 201 | 204 | 201 | 199 | 215 | 218 | 213 | 212 | 214 | 221 | 222 | 227 | 233 |
| 117 | 1 | F | 199 | 202 | 202 | 204 | 204 | 213 | 213 | 216 | 219 | 224 | 215 | 220 | 221 | 223 | 227 | 238 | 240 | 247 | 254 | 254 |
| 118 | 1 | F | 212 | 213 | 221 | 218 | 218 | 233 | 229 | 226 | 229 | 234 | 220 | 240 | 238 | 244 | 243 | 253 | 254 | 274 | 277 | 283 |
| 119 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 120 | 1 | F | 208 | 209 | 207 | 213 | 216 | 221 | 225 | 223 | 227 | 234 | 234 | 236 | 238 | 245 | 248 | 257 | 260 | 273 | 283 | 292 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
*TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT*
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 121 | 1 | F | 199 | 197 | 198 | 203 | 203 | 211 | 208 | 210 | 214 | 215 | 210 | 218 | 216 | 218 | 224 | 233 | 237 | 243 | 253 | 262 |
| 122 | 1 | F | 193 | 203 | 211 | 214 | 214 | 213 | 221 | 223 | 224 | 224 | 221 | 228 | 228 | 232 | 230 | 235 | 238 | 246 | 249 | 253 |
| 123 | 1 | F | 214 | 218 | 226 | 229 | 222 | 232 | 230 | 231 | 239 | 239 | 237 | 238 | 240 | 245 | 254 | 257 | 272 | 277 | 284 | 291 |
| 124 | 1 | F | 227 | 227 | 232 | 241 | 241 | 242 | 244 | 247 | 252 | 251 | 249 | 258 | 258 | --- | --- | --- | --- | --- | --- | --- |
| 125 | 1 | F | 221 | 223 | 229 | 232 | 236 | 255 | 243 | 240 | 247 | 245 | 246 | 256 | 257 | 257 | 259 | 264 | 253 | 266 | 285 | 285 |
| 126 | 1 | F | 228 | 234 | 238 | 246 | 241 | 241 | 246 | 247 | 253 | 260 | 257 | 268 | 266 | 264 | 264 | 270 | 264 | 271 | 279 | 285 |
| 127 | 1 | F | 205 | 210 | 208 | 215 | 222 | 222 | 221 | 218 | 239 | 216 | 249 | 237 | 233 | 236 | 229 | 235 | 243 | 257 | 261 | 275 |
| 128 | 1 | F | 208 | 216 | 220 | 222 | 226 | 230 | 227 | 233 | 225 | 232 | 249 | 246 | 241 | 240 | 246 | 256 | 257 | 272 | 280 | 275 |
| 129 | 1 | F | 215 | 221 | 223 | 225 | 232 | 236 | 237 | 237 | 239 | 230 | 242 | 245 | 243 | 251 | 249 | 257 | 275 | 282 | 281 | 289 |
| 130 | 1 | F | 220 | 219 | 217 | 223 | 229 | 233 | 229 | 228 | 231 | 224 | 230 | 237 | 235 | --- | --- | --- | --- | --- | --- | --- |
| 131 | 1 | F | 202 | 207 | 208 | 215 | 219 | 218 | 220 | 227 | 230 | 220 | 239 | 241 | 243 | 242 | 258 | 260 | 271 | 281 | 285 | 291 |
| 132 | 1 | F | 192 | 200 | 204 | 200 | 204 | 208 | 206 | 207 | 213 | 210 | 214 | 219 | 224 | 227 | 232 | 239 | 239 | 244 | 258 | 261 |
| 133 | 1 | F | 220 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 134 | 1 | F | 228 | 219 | 223 | 235 | 237 | 235 | 234 | 236 | 241 | 217 | 242 | 224 | 241 | 250 | 246 | 254 | 262 | 265 | 261 | 280 |
| 135 | 1 | F | 217 | 219 | 230 | 231 | 239 | 229 | 230 | 232 | 237 | 227 | 232 | 213 | 232 | 245 | 254 | 253 | 262 | 268 | 289 | 298 |
| 136 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 137 | 1 | F | 226 | 224 | 229 | 238 | 242 | 248 | 252 | 251 | 256 | 258 | 253 | 265 | 266 | 268 | 269 | 282 | 287 | 293 | 294 | 301 |
| 138 | 1 | F | 210 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 139 | 1 | F | 197 | 200 | 205 | 212 | 217 | 214 | 215 | 218 | 222 | 219 | 233 | 233 | 228 | 233 | 238 | 245 | 256 | 268 | 276 | 277 |
| 140 | 1 | F | 205 | 205 | 207 | 212 | 211 | 218 | 218 | 223 | 223 | 219 | 226 | 225 | 234 | 232 | 228 | 237 | 240 | 238 | 238 | 248 |
| 141 | 1 | F | 202 | 203 | 209 | 212 | 216 | 217 | 210 | 214 | 221 | 220 | 226 | 226 | 225 | --- | --- | --- | --- | --- | --- | --- |
| 142 | 1 | F | 206 | 214 | 223 | 225 | 230 | 227 | 249 | 245 | 243 | 239 | 246 | 251 | 258 | 255 | 265 | 280 | 287 | 291 | 299 | 302 |
| 143 | 1 | F | 210 | 220 | 226 | 229 | 233 | 234 | 236 | 239 | 240 | 240 | 244 | 247 | 248 | --- | --- | --- | --- | --- | --- | --- |
| 144 | 1 | F | 206 | 220 | 229 | 234 | 239 | 235 | 239 | 238 | 247 | 242 | 252 | 247 | 256 | 249 | 254 | 265 | 269 | 278 | 276 | 293 |
| 145 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 146 | 1 | F | 211 | 198 | 218 | 228 | 229 | 231 | 229 | 229 | 227 | 221 | 231 | 229 | 230 | 228 | 238 | 247 | 238 | 246 | 256 | 263 |
| 147 | 1 | F | 210 | 195 | 209 | 215 | 224 | 222 | 221 | 224 | 227 | 231 | 230 | 230 | 234 | 240 | 241 | 250 | 248 | 259 | 264 | 268 |
| 148 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 149 | 1 | F | 210 | 203 | 212 | 222 | 228 | 228 | 228 | 228 | 228 | 225 | 242 | 234 | 235 | 240 | 243 | 248 | 254 | 260 | 268 | 283 |
| 150 | 1 | F | 201 | 201 | 205 | 209 | 208 | 217 | 218 | 218 | 222 | 225 | 233 | 237 | 232 | 242 | 255 | 265 | 267 | 266 | 276 | 283 |
| 151 | 2 | M | 386 | 399 | 400 | 412 | 403 | 415 | 415 | 422 | 428 | 434 | 439 | 437 | 437 | 439 | 442 | 446 | 452 | 459 | 463 | 464 |
| 152 | 2 | M | 360 | 369 | 365 | 379 | 379 | 388 | 395 | 395 | 405 | 403 | 401 | 396 | 406 | --- | --- | --- | --- | --- | --- | --- |
| 153 | 2 | M | 382 | 398 | 380 | 402 | 395 | 411 | 412 | 413 | 424 | 424 | 400 | 412 | 420 | 422 | 428 | 433 | 437 | 437 | 436 | 430 |
| 154 | 2 | M | 409 | 410 | 417 | 428 | 422 | 433 | 439 | 432 | 437 | 444 | 430 | 443 | 450 | 444 | 448 | 452 | 459 | 464 | 462 | 469 |
| 155 | 2 | M | 419 | 426 | 431 | 437 | 433 | 443 | 447 | 450 | 451 | 462 | 449 | 446 | 462 | 460 | 470 | 468 | 472 | 480 | 478 | 482 |
| 156 | 2 | M | 411 | 415 | 426 | 426 | 427 | 442 | 441 | 445 | 450 | 461 | 451 | 445 | 462 | 459 | 463 | 466 | 473 | 477 | 480 | 476 |
| 157 | 2 | M | 378 | 390 | 392 | 390 | 392 | 407 | 404 | 414 | 416 | 415 | 420 | 413 | 420 | 415 | 422 | 423 | 430 | 437 | 438 | 434 |
| 158 | 2 | M | 388 | 405 | 414 | 408 | 415 | 429 | 429 | 435 | 437 | 436 | 431 | 440 | 439 | 440 | 446 | 444 | 451 | 458 | 460 | 459 |
| 159 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 160 | 2 | M | 383 | 407 | 415 | 417 | 412 | 424 | 421 | 424 | 438 | 444 | 427 | 434 | 439 | 436 | 448 | 448 | 459 | 460 | 458 | 456 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 2 | M | 405 | 430 | 432 | 434 | 432 | 444 | 448 | 448 | 458 | 452 | 436 | 448 | 461 | 451 | 465 | 469 | 478 | 476 | 476 | 475 |
| 162 | 2 | M | 378 | 386 | 390 | 397 | 399 | 410 | 403 | 413 | 419 | 424 | 390 | 411 | 425 | 416 | 424 | 431 | 440 | 447 | 444 | 446 |
| 163 | 2 | M | 424 | 432 | 441 | 450 | 454 | 455 | 460 | 456 | 468 | 462 | 448 | 465 | 476 | 478 | 481 | 480 | 491 | 500 | 500 | 506 |
| 164 | 2 | M | 415 | 418 | 424 | 429 | 434 | 441 | 434 | 436 | 445 | 446 | 432 | 441 | 453 | 446 | 445 | 455 | 456 | 456 | 460 | 465 |
| 165 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 166 | 2 | M | 408 | 411 | 424 | 428 | 434 | 417 | 439 | 439 | 446 | 458 | 451 | 463 | 460 | 452 | 459 | 459 | 466 | 472 | 466 | 468 |
| 167 | 2 | M | 428 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 168 | 2 | M | 391 | 394 | 412 | 415 | 410 | 422 | 421 | 423 | 433 | 429 | 405 | 436 | 433 | 430 | 433 | 437 | 444 | 441 | 453 | 451 |
| 169 | 2 | M | 411 | 423 | 431 | 442 | 437 | 443 | 449 | 459 | 464 | 466 | 427 | 430 | 455 | 455 | 461 | 475 | 474 | 482 | 488 | '485 |
| 170 | 2 | M | 378 | 390 | 396 | 400 | 404 | 407 | 413 | 416 | 420 | 424 | 402 | 399 | 405 | 402 | 411 | 417 | 426 | 427 | 430 | 432 |
| 171 | 2 | M | 353 | 368 | 379 | 382 | 388 | 394 | 398 | 407 | 406 | 409 | 408 | 396 | 415 | 412 | 418 | 423 | 426 | 434 | 440 | 436 |
| 172 | 2 | M | 401 | 400 | 412 | 411 | 408 | 416 | 430 | 426 | 434 | 437 | 434 | 436 | 449 | --- | --- | --- | --- | --- | --- | --- |
| 173 | 2 | M | 400 | 406 | 414 | 424 | 414 | 415 | 427 | 434 | 439 | 444 | 422 | 440 | 441 | 441 | 446 | 452 | 447 | 456 | 453 | 454 |
| 174 | 2 | M | 437 | 438 | 450 | 453 | 454 | 460 | 471 | 470 | 477 | 489 | 474 | 480 | 493 | 490 | 485 | 492 | 502 | 506 | 505 | 509 |
| 175 | 2 | M | 401 | 413 | 416 | 422 | 418 | 431 | 434 | 434 | 433 | 440 | 433 | 439 | 449 | 454 | 451 | 457 | 461 | 465 | 459 | 444 |
| 176 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 177 | 2 | M | 373 | 378 | 394 | 396 | 396 | 406 | 418 | 419 | 403 | 420 | 420 | 428 | 434 | 438 | 435 | 441 | 447 | 431 | 435 | 430 |
| 178 | 2 | M | 363 | 370 | 380 | 388 | 392 | 398 | 409 | 408 | 406 | 412 | 368 | 400 | 408 | 416 | 415 | 425 | 433 | 432 | 432 | 440 |
| 179 | 2 | M | 398 | 413 | 422 | 420 | 424 | 431 | 431 | 437 | 439 | 452 | 450 | 460 | 455 | 464 | 460 | 461 | 460 | 477 | 470 | 477 |
| 180 | 2 | M | 386 | 392 | 402 | 398 | 402 | 408 | 398 | 409 | 416 | 413 | 415 | 417 | 419 | 417 | --- | --- | --- | --- | --- | --- |
| 181 | 2 | M | 394 | 396 | 399 | 410 | 408 | 411 | 417 | 421 | 434 | 432 | 124 | 436 | 436 | 423 | 428 | 435 | 445 | 449 | 441 | 442 |
| 182 | 2 | M | 394 | 397 | 402 | 415 | 412 | 418 | 428 | 425 | 435 | 432 | 382 | 417 | 423 | 424 | 432 | 440 | 442 | 458 | 450 | 446 |
| 183 | 2 | M | 363 | 371 | 379 | 387 | 386 | 395 | 398 | 402 | 408 | 408 | 402 | 414 | 415 | 409 | 420 | 420 | 426 | 434 | 433 | 430 |
| 184 | 2 | M | 441 | 452 | 457 | 471 | 472 | 470 | 486 | 482 | 483 | 493 | 467 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 185 | 2 | M | 394 | 408 | 411 | 429 | 427 | 438 | 434 | 444 | 445 | 448 | 444 | 445 | 459 | 450 | 463 | 478 | 477 | 484 | 492 | 489 |
| 186 | 2 | M | 422 | 430 | 435 | 439 | 436 | 440 | 450 | 445 | 445 | 455 | 420 | 438 | 454 | 454 | 454 | 458 | 457 | 465 | 461 | 463 |
| 187 | 2 | M | 400 | 408 | 405 | 412 | 414 | 432 | 433 | 440 | 448 | 443 | 443 | 447 | 451 | --- | --- | --- | --- | --- | --- | --- |
| 188 | 2 | M | 396 | 406 | 412 | 421 | 424 | 427 | 432 | 433 | 443 | 447 | 440 | 448 | 458 | 454 | 462 | 464 | 470 | 475 | 474 | 472 |
| 189 | 2 | M | 392 | 407 | 412 | 414 | 418 | 424 | 432 | 429 | 436 | 444 | 445 | 441 | 448 | 447 | 461 | 466 | 472 | 474 | 477 | 471 |
| 190 | 2 | M | 361 | 377 | 380 | 392 | 394 | 405 | 409 | 409 | 422 | 407 | 416 | 421 | 428 | 428 | 423 | 423 | 427 | 430 | 426 | 431 |
| 191 | 2 | M | 408 | 409 | 426 | 432 | 438 | 436 | 443 | 449 | 454 | 445 | 431 | 451 | 460 | --- | --- | --- | --- | --- | --- | --- |
| 192 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 193 | 2 | M | 424 | 425 | 434 | 440 | 445 | 446 | 445 | 430 | 444 | 420 | 434 | 423 | 429 | 428 | 443 | 448 | 446 | 448 | 443 | 432 |
| 194 | 2 | M | 449 | 461 | 466 | 470 | 477 | 486 | 484 | 492 | 490 | 486 | 489 | 498 | 507 | --- | --- | --- | --- | --- | --- | --- |
| 195 | 2 | M | 392 | 402 | 401 | 410 | 407 | 412 | 409 | 418 | 419 | 411 | 402 | 415 | 418 | 423 | 419 | 416 | 415 | 420 | 431 | 440 |
| 196 | 2 | M | 367 | 375 | 386 | 386 | 400 | 398 | 398 | 406 | 401 | 396 | 385 | 402 | 401 | 415 | 417 | 415 | 416 | 429 | 425 | 425 |
| 197 | 2 | M | 350 | 356 | 366 | 378 | 376 | 384 | 391 | 393 | 395 | 367 | 366 | 399 | 389 | 402 | 397 | 403 | 399 | 408 | 409 | 411 |
| 198 | 2 | M | 398 | 400 | 413 | 416 | 421 | 425 | 433 | 435 | 444 | 437 | 437 | 448 | 440 | 452 | 452 | 457 | 462 | 462 | 467 | 460 |
| 199 | 2 | M | 420 | 417 | 438 | 444 | 452 | 449 | 444 | 456 | 467 | 464 | 471 | 478 | 482 | 475 | 479 | 481 | 493 | 494 | 502 | 499 |
| 200 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 400 | 409 | 419 | 428 | 433 | 443 | 439 | 445 | 452 | 443 | 435 | 449 | 457 | 454 | 456 | 458 | 460 | 477 | 480 | 477 |
| 202 | 2 | M | 381 | 389 | 397 | 406 | 412 | 419 | 422 | 421 | 434 | 412 | 417 | 429 | 441 | 438 | 438 | 437 | 434 | 438 | 440 | 436 |
| 203 | 2 | M | 402 | 405 | 412 | 412 | 423 | 428 | 421 | 429 | 435 | 429 | 437 | 433 | 438 | 447 | --- | --- | --- | --- | --- | --- |
| 204 | 2 | M | 400 | 406 | 419 | 417 | 422 | 425 | 422 | 425 | 439 | 424 | 420 | 435 | 433 | --- | --- | --- | --- | --- | --- | --- |
| 205 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 206 | 2 | M | 428 | 443 | 452 | 459 | 470 | 470 | 473 | 471 | 476 | 469 | 477 | 493 | 491 | 464 | 488 | 494 | 499 | 504 | 505 | 503 |
| 207 | 2 | M | 420 | 432 | 442 | 441 | 455 | 455 | 456 | 456 | 459 | 432 | 430 | 446 | 451 | 454 | 449 | 455 | 458 | 468 | 468 | 468 |
| 208 | 2 | M | 436 | 449 | 460 | 462 | 462 | 475 | 468 | 467 | 484 | 437 | 468 | 481 | 486 | 480 | 480 | 485 | 493 | 501 | 502 | 501 |
| 209 | 2 | M | 376 | 379 | 383 | 391 | 392 | 398 | 398 | 401 | 413 | 405 | 407 | 416 | 415 | --- | --- | --- | --- | --- | --- | --- |
| 210 | 2 | M | 408 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 211 | 2 | M | 400 | 404 | 413 | 417 | 420 | 424 | 430 | 430 | 441 | 419 | 410 | 432 | 439 | 444 | 448 | 458 | 461 | 470 | 466 | 471 |
| 212 | 2 | M | 398 | 400 | 399 | 402 | 398 | 404 | 404 | 404 | 415 | 384 | 407 | 413 | 426 | 420 | 440 | 443 | 451 | 455 | 457 | 460 |
| 213 | 2 | M | 339 | 336 | 344 | 352 | 353 | 359 | 362 | 357 | 369 | 345 | 360 | 374 | 375 | 377 | 379 | 387 | 392 | 398 | 401 | 407 |
| 214 | 2 | M | 429 | 434 | 445 | 450 | 463 | 461 | 458 | 464 | 470 | 463 | 447 | 463 | 464 | 466 | --- | --- | --- | --- | --- | --- |
| 215 | 2 | M | 389 | 401 | 408 | 412 | 414 | 422 | 424 | 426 | 437 | 427 | 428 | 439 | 438 | 435 | 438 | 444 | 457 | 458 | 464 | 461 |
| 216 | 2 | M | 379 | 393 | 404 | 414 | 421 | 421 | 424 | 425 | 440 | 428 | 434 | 440 | 448 | 441 | 448 | 460 | 457 | 462 | 463 | 463 |
| 217 | 2 | M | 444 | 463 | 469 | 476 | 492 | 491 | 495 | 500 | 511 | 475 | 465 | 482 | 495 | 498 | 496 | 506 | 513 | 519 | 517 | 516 |
| 218 | 2 | M | 388 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 219 | 2 | M | 384 | 395 | 403 | 407 | 422 | 423 | 423 | 425 | 430 | 412 | 411 | 427 | 430 | 430 | 438 | 444 | 446 | 452 | 455 | 458 |
| 220 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 221 | 2 | M | 398 | 408 | 423 | 424 | 433 | 437 | 444 | 441 | 449 | 428 | 442 | 453 | 448 | 455 | 464 | 462 | 463 | 473 | 469 | 473 |
| 222 | 2 | M | 400 | 413 | 417 | 428 | 437 | 446 | 450 | 450 | 452 | 456 | 455 | 468 | 474 | 470 | 477 | 470 | 472 | 479 | 473 | 473 |
| 223 | 2 | M | 405 | 413 | 424 | 423 | 422 | 427 | 423 | 427 | 428 | 424 | 426 | 437 | 446 | 444 | 442 | 445 | 450 | 456 | 452 | 449 |
| 224 | 2 | M | 409 | 413 | 418 | 424 | 426 | 424 | 432 | 433 | 441 | 437 | 426 | 440 | 444 | 445 | 447 | 456 | 459 | 464 | 465 | 462 |
| 225 | 2 | M | 374 | 381 | 389 | 396 | 395 | 400 | 402 | 403 | 413 | 410 | 402 | 417 | 426 | 429 | 424 | 426 | 431 | 432 | 435 | 424 |
| 226 | 2 | F | 216 | 219 | 221 | 220 | 223 | 233 | 235 | 238 | 243 | 256 | 250 | 258 | 266 | 273 | 276 | 285 | 294 | 288 | 282 | 283 |
| 227 | 2 | F | 207 | 211 | 213 | 213 | 213 | 223 | 224 | 228 | 233 | 234 | 221 | 240 | 236 | 233 | 238 | 248 | 258 | 258 | 254 | 263 |
| 228 | 2 | F | 207 | 209 | 212 | 213 | 215 | 218 | 216 | 221 | 224 | 227 | 227 | 228 | 228 | 232 | 238 | 245 | 249 | 256 | 263 | 262 |
| 229 | 2 | F | 218 | 222 | 225 | 221 | 223 | 228 | 234 | 236 | 235 | 244 | 244 | 246 | 250 | 250 | 262 | 284 | 289 | 294 | 300 | 303 |
| 230 | 2 | F | 171 | 179 | 180 | 178 | 184 | 187 | 186 | 188 | 191 | 202 | 198 | 204 | 204 | 208 | 221 | 232 | 237 | 248 | 246 | 251 |
| 231 | 2 | F | 204 | 211 | 213 | 219 | 214 | 218 | 225 | 231 | 232 | 235 | 243 | 250 | 262 | 265 | 277 | 284 | 294 | 299 | 295 | 307 |
| 232 | 2 | F | 189 | 178 | 198 | 197 | 193 | 203 | 206 | 203 | 204 | 209 | 207 | 213 | 212 | 212 | 214 | 224 | 225 | 231 | 238 | 239 |
| 233 | 2 | F | 233 | 232 | 238 | 241 | 237 | 247 | 249 | 258 | 269 | 274 | 263 | 278 | 274 | 281 | 295 | 299 | 308 | 309 | 313 | 316 |
| 234 | 2 | F | 208 | 196 | 215 | 224 | 220 | 220 | 222 | 228 | 233 | 234 | 227 | 250 | 238 | 243 | 242 | 257 | 266 | 275 | 282 | 279 |
| 235 | 2 | F | 190 | 202 | 205 | 203 | 204 | 213 | 214 | 214 | 211 | 215 | 215 | 220 | 227 | 237 | 234 | 240 | 247 | 252 | 255 | 264 |
| 236 | 2 | F | 224 | 242 | 249 | 254 | 258 | 259 | 258 | 262 | 266 | 276 | 273 | 274 | 275 | 280 | 284 | 292 | 293 | 293 | 296 | 300 |
| 237 | 2 | F | 183 | 197 | 201 | 202 | 202 | 205 | 210 | 209 | 216 | 216 | 225 | 224 | 225 | 233 | 240 | 259 | 254 | 264 | 268 | 271 |
| 238 | 2 | F | 206 | 212 | 219 | 223 | 224 | 231 | 232 | 232 | 236 | 246 | 229 | 246 | 253 | 252 | 264 | 268 | 279 | 279 | 281 | 279 |
| 239 | 2 | F | 205 | 225 | 228 | 229 | 226 | 233 | 237 | 239 | 245 | 245 | 247 | 262 | 273 | --- | --- | --- | --- | --- | --- | --- |
| 240 | 2 | F | 206 | 214 | 222 | 225 | 230 | 224 | 227 | 230 | 242 | 239 | 244 | 244 | 238 | 248 | 250 | 247 | 256 | 256 | 272 | 279 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 241 | 2 | F | 193 | 196 | 203 | 208 | 208 | 214 | 215 | 216 | 217 | 225 | 204 | 234 | 232 | 232 | 239 | 248 | 245 | 266 | 282 | 280 |
| 242 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 243 | 2 | F | 226 | 227 | 238 | 242 | 243 | 250 | 252 | 259 | 274 | 279 | 286 | 298 | 300 | 306 | 310 | 321 | 311 | 325 | 334 | 327 |
| 244 | 2 | F | 203 | 205 | 208 | 211 | 212 | 216 | 215 | 217 | 226 | 229 | 225 | 226 | 224 | --- | --- | --- | --- | --- | --- | --- |
| 245 | 2 | F | 196 | 201 | 203 | 204 | 208 | 214 | 217 | 219 | 220 | 225 | 221 | 244 | 238 | 234 | 222 | 232 | 239 | 244 | 252 | 256 |
| 246 | 2 | F | 213 | 218 | 223 | 230 | 229 | 229 | 235 | 240 | 242 | 245 | 239 | 243 | 246 | 250 | --- | --- | --- | --- | --- | --- |
| 247 | 2 | F | 226 | 229 | 234 | 233 | 232 | 232 | 238 | 243 | 244 | 244 | 242 | 250 | 255 | 255 | 256 | 257 | 257 | 268 | 271 | 284 |
| 248 | 2 | F | 215 | 221 | 226 | 229 | 230 | 225 | 231 | 236 | 243 | 244 | 238 | 242 | 246 | 240 | 250 | 247 | 251 | 266 | 270 | 278 |
| 249 | 2 | F | 199 | 199 | 201 | 203 | 199 | 206 | 212 | 212 | 212 | 212 | 209 | 214 | 215 | 220 | 218 | 220 | 223 | 229 | 226 | 226 |
| 250 | 2 | F | 211 | 219 | 226 | 229 | 228 | 231 | 234 | 242 | 250 | 247 | 233 | 254 | 249 | 246 | 256 | 262 | 267 | 278 | 284 | 291 |
| 251 | 2 | F | 227 | 228 | 231 | 232 | 235 | 236 | 238 | 240 | 246 | 254 | 247 | 252 | 256 | 269 | 272 | 282 | 280 | 279 | 279 | 286 |
| 252 | 2 | F | 199 | 211 | 211 | 215 | 211 | 210 | 211 | 210 | 214 | 212 | 208 | 218 | 223 | 215 | 223 | 228 | 235 | 239 | 242 | 248 |
| 253 | 2 | F | 229 | 231 | 238 | 243 | 249 | 257 | 260 | 254 | 255 | 265 | 260 | 267 | 270 | 286 | 285 | 298 | 305 | 309 | 316 | 318 |
| 254 | 2 | F | 232 | 232 | 236 | 240 | 238 | 242 | 251 | 255 | 260 | 253 | 266 | 263 | 254 | 262 | 262 | 270 | 272 | 274 | 280 | 294 |
| 255 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 256 | 2 | F | 219 | 222 | 221 | 230 | 232 | 240 | 241 | 242 | 247 | 252 | 251 | 255 | 262 | 260 | 268 | 256 | 273 | 283 | 288 | 295 |
| 257 | 2 | F | 240 | 237 | 244 | 252 | 248 | 253 | 261 | 261 | 262 | 265 | 262 | 291 | 282 | --- | --- | --- | --- | --- | --- | --- |
| 258 | 2 | F | 212 | 213 | 220 | 224 | 223 | 226 | 230 | 233 | 240 | 242 | 233 | 246 | 251 | 253 | 250 | 249 | 269 | 277 | 280 | 276 |
| 259 | 2 | F | 223 | 229 | 231 | 235 | 238 | 243 | 245 | 250 | 265 | 270 | 265 | 269 | 275 | 284 | 285 | 290 | 290 | 291 | 300 | 305 |
| 260 | 2 | F | 200 | 204 | 213 | 219 | 214 | 219 | 220 | 221 | 225 | 225 | 225 | 224 | 230 | 233 | 233 | 239 | 240 | 246 | 255 | 259 |
| 261 | 2 | F | 209 | 217 | 221 | 225 | 227 | 231 | 230 | 238 | 242 | 244 | 241 | 246 | 243 | 242 | 251 | 253 | 257 | 260 | 264 | 273 |
| 262 | 2 | F | 193 | 192 | 194 | 200 | 203 | 204 | 204 | 204 | 208 | 203 | 212 | 218 | 220 | --- | --- | --- | --- | --- | --- | --- |
| 263 | 2 | F | 191 | 193 | 195 | 200 | 208 | 206 | 207 | 208 | 216 | 207 | 222 | 221 | 220 | 220 | 226 | 231 | 227 | 238 | 247 | 256 |
| 264 | 2 | F | 205 | 204 | 211 | 214 | 217 | 220 | 222 | 225 | 227 | 223 | 238 | 236 | 239 | 239 | 243 | 247 | 253 | 257 | 271 | 272 |
| 265 | 2 | F | 209 | 203 | 203 | 209 | 207 | 208 | 217 | 222 | 224 | 206 | 233 | 227 | 227 | 230 | 235 | 240 | 238 | 251 | 262 | 269 |
| 266 | 2 | F | 180 | 191 | 202 | 204 | 203 | 208 | 210 | 208 | 218 | 218 | 215 | 212 | 220 | 229 | 227 | 220 | 220 | 230 | 236 | 238 |
| 267 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 268 | 2 | F | 182 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 269 | 2 | F | 222 | 234 | 241 | 240 | 249 | 248 | 248 | 256 | 259 | 252 | 261 | 258 | 269 | 273 | 278 | 288 | 288 | 301 | 305 | 306 |
| 270 | 2 | F | 214 | 226 | 229 | 234 | 236 | 242 | 241 | 245 | 246 | 248 | 247 | 250 | 251 | 261 | 258 | 270 | 276 | 286 | 294 | 302 |
| 271 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 272 | 2 | F | 210 | 214 | 224 | 228 | 237 | 235 | 230 | 235 | 244 | 237 | 239 | 242 | 239 | 250 | 254 | 258 | 265 | 278 | 286 | 289 |
| 273 | 2 | F | 211 | 213 | 222 | 233 | 236 | 234 | 237 | 240 | 243 | 234 | 236 | 240 | 240 | 245 | --- | --- | --- | --- | --- | --- |
| 274 | 2 | F | 213 | 215 | 221 | 227 | 234 | 231 | 236 | 235 | 237 | 238 | 242 | 246 | 244 | 240 | 254 | 259 | 265 | 278 | 282 | 290 |
| 275 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 276 | 2 | F | 208 | 209 | 217 | 227 | 232 | 229 | 232 | 234 | 239 | 233 | 233 | 240 | 245 | 246 | 251 | 261 | 267 | 274 | 280 | 286 |
| 277 | 2 | F | 192 | 197 | 197 | 198 | 204 | 202 | 204 | 209 | 209 | 206 | 211 | 215 | 210 | 211 | --- | --- | --- | --- | --- | --- |
| 278 | 2 | F | 210 | 215 | 218 | 222 | 229 | 229 | 233 | 231 | 237 | 232 | 237 | 235 | 236 | 238 | 234 | 236 | 244 | 251 | 255 | 259 |
| 279 | 2 | F | 222 | 228 | 228 | 231 | 234 | 238 | 244 | 241 | 247 | 229 | 250 | 251 | 248 | 248 | --- | --- | --- | --- | --- | --- |
| 280 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 281 | 2 | F | 211 | 212 | 221 | 229 | 229 | 233 | 231 | 232 | 232 | 233 | 245 | 252 | 257 | 255 | 260 | 267 | 275 | 292 | 297 | 298 |
| 282 | 2 | F | 201 | 203 | 208 | 211 | 213 | 211 | 216 | 215 | 218 | 209 | 220 | 221 | 228 | --- | --- | --- | --- | --- | --- | --- |
| 283 | 2 | F | 206 | 196 | 208 | 211 | 211 | 217 | 215 | 216 | 219 | 218 | 235 | 227 | 232 | 231 | 234 | 243 | 243 | 262 | 262 | 266 |
| 284 | 2 | F | 222 | 224 | 229 | 234 | 232 | 235 | 238 | 241 | 244 | 237 | 241 | 247 | 249 | 251 | 259 | 272 | 272 | 280 | 282 | 291 |
| 285 | 2 | F | 194 | 190 | 198 | 198 | 204 | 206 | 208 | 209 | 216 | 192 | 214 | 215 | 213 | 214 | 220 | 228 | 225 | 234 | 235 | 240 |
| 286 | 2 | F | 206 | 212 | 210 | 217 | 222 | 218 | 227 | 225 | 233 | 227 | 231 | 239 | 240 | 244 | 254 | 257 | 269 | 288 | 285 | 298 |
| 287 | 2 | F | 218 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 288 | 2 | F | 202 | 207 | 206 | 215 | 220 | 218 | 219 | 222 | 222 | 222 | 220 | 233 | 235 | 238 | 243 | 244 | 251 | 259 | 263 | 271 |
| 289 | 2 | F | 216 | 214 | 222 | 223 | 228 | 230 | 231 | 232 | 234 | 235 | 236 | 243 | 250 | 252 | 267 | 278 | 283 | 287 | 293 | 300 |
| 290 | 2 | F | 199 | 200 | 203 | 210 | 208 | 217 | 218 | 217 | 219 | 217 | 221 | 222 | 226 | 231 | 236 | 238 | 244 | 244 | 247 | 265 |
| 291 | 2 | F | 193 | 199 | 201 | 205 | 202 | 206 | 210 | 211 | 214 | 213 | 210 | 217 | 217 | 217 | 224 | 228 | 234 | 248 | 253 | 259 |
| 292 | 2 | F | 206 | 212 | 219 | 219 | 226 | 226 | 226 | 228 | 235 | 225 | 234 | 235 | 242 | 241 | 254 | 260 | 265 | 269 | 276 | 278 |
| 293 | 2 | F | 200 | 197 | 204 | 207 | 214 | 212 | 215 | 212 | 217 | 214 | 219 | 222 | 230 | 231 | 236 | 242 | 251 | 259 | 271 | 272 |
| 294 | 2 | F | 181 | 179 | 181 | 183 | 189 | 192 | 194 | 193 | 198 | 196 | 205 | 209 | 212 | 224 | 241 | 241 | 238 | 247 | 248 | 252 |
| 295 | 2 | F | 200 | 198 | 205 | 207 | 212 | 218 | 216 | 214 | 218 | 202 | 210 | 222 | 220 | 227 | 232 | 238 | 241 | 252 | 254 | 263 |
| 296 | 2 | F | 219 | 222 | 229 | 230 | 231 | 233 | 238 | 239 | 240 | 234 | 240 | 239 | 236 | 245 | 248 | 251 | 256 | 266 | 275 | 274 |
| 297 | 2 | F | 208 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 298 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 299 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 300 | 2 | F | 188 | 169 | 171 | 192 | 198 | 198 | 196 | 200 | 203 | 197 | 202 | 202 | 211 | --- | --- | --- | --- | --- | --- | --- |
| 301 | 3 | M | 410 | 413 | 423 | 428 | 417 | 429 | 425 | 428 | 440 | 448 | 452 | 437 | 424 | 451 | 458 | 457 | 460 | 464 | 472 | 470 |
| 302 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 303 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 304 | 3 | M | 373 | 380 | 393 | 398 | 394 | 414 | 412 | 415 | 427 | 431 | 428 | 432 | 440 | 439 | 422 | 444 | 430 | 438 | 446 | 450 |
| 305 | 3 | M | 386 | 391 | 397 | 402 | 402 | 404 | 400 | 397 | 381 | 380 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 306 | 3 | M | 373 | 377 | 389 | 395 | 391 | 409 | 410 | 408 | 420 | 420 | 400 | 421 | 427 | 427 | 432 | 443 | 430 | 452 | 446 | 455 |
| 307 | 3 | M | 392 | 408 | 413 | 415 | 410 | 421 | 415 | 419 | 429 | 431 | 420 | 415 | 426 | 407 | 433 | 442 | 438 | 442 | 443 | 448 |
| 308 | 3 | M | 410 | 421 | 427 | 436 | 437 | 444 | 443 | 441 | 453 | 458 | 453 | 453 | 465 | 459 | 472 | 467 | 474 | 484 | 476 | 477 |
| 309 | 3 | M | 405 | 427 | 432 | 436 | 442 | 454 | 459 | 453 | 467 | 462 | 423 | 440 | 453 | 452 | 466 | 472 | 476 | 483 | 476 | 480 |
| 310 | 3 | M | 386 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 311 | 3 | M | 363 | 365 | 374 | 376 | 375 | 382 | 389 | 388 | 396 | 403 | 399 | 396 | 414 | 410 | 412 | 418 | 427 | 423 | 430 | 437 |
| 312 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 313 | 3 | M | 403 | 411 | 413 | 420 | 421 | 432 | 432 | 435 | 437 | 443 | 431 | 445 | 447 | 445 | 437 | 449 | 451 | 458 | 458 | 458 |
| 314 | 3 | M | 368 | 380 | 389 | 392 | 394 | 403 | 407 | 405 | 417 | 412 | 406 | 413 | 418 | 419 | 421 | 426 | 432 | 425 | 427 | 416 |
| 315 | 3 | M | 418 | 433 | 442 | 447 | 450 | 461 | 463 | 462 | 467 | 475 | 448 | 471 | 479 | 465 | 468 | 485 | 494 | 505 | 500 | 499 |
| 316 | 3 | M | 375 | 384 | 390 | 389 | 396 | 401 | 401 | 407 | 418 | 414 | 375 | 403 | 401 | --- | --- | --- | --- | --- | --- | --- |
| 317 | 3 | M | 417 | 436 | 443 | 451 | 455 | 462 | 464 | 473 | 483 | 477 | 463 | 461 | 472 | 476 | 485 | 489 | 494 | 504 | 504 | 508 |
| 318 | 3 | M | 391 | 399 | 409 | 409 | 414 | 424 | 426 | 421 | 435 | 437 | 416 | 440 | 442 | 439 | 448 | 454 | 460 | 468 | 469 | 466 |
| 319 | 3 | M | 410 | 425 | 421 | 431 | 436 | 417 | 446 | 452 | 460 | 459 | 421 | 448 | 450 | 456 | 456 | 461 | 467 | 486 | 474 | 482 |
| 320 | 3 | M | 375 | 384 | 394 | 402 | 402 | 406 | 419 | 416 | 422 | 430 | 408 | 427 | 430 | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 321 | 3 | M | 408 | 419 | 422 | 432 | 432 | 440 | 449 | 450 | 459 | 459 | 447 | 458 | 469 | 462 | 475 | 487 | 480 | 495 | 497 | 497 |
| 322 | 3 | M | 400 | 410 | 413 | 420 | 423 | 430 | 434 | 434 | 441 | 450 | 444 | 449 | 464 | --- | --- | --- | --- | --- | --- | --- |
| 323 | 3 | M | 388 | 408 | 414 | 424 | 424 | 431 | 440 | 437 | 450 | 455 | 440 | 446 | 453 | 448 | 452 | 454 | 459 | 467 | 466 | 474 |
| 324 | 3 | M | 395 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 325 | 3 | M | 410 | 412 | 423 | 428 | 430 | 436 | 433 | 443 | 452 | 449 | 394 | 430 | 440 | 442 | 443 | 448 | 454 | 458 | 460 | 454 |
| 326 | 3 | M | 394 | 401 | 409 | 417 | 414 | 428 | 430 | 436 | 443 | 442 | 439 | 454 | 456 | 453 | 454 | 450 | 461 | 470 | 470 | 466 |
| 327 | 3 | M | 383 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 328 | 3 | M | 384 | 393 | 403 | 406 | 413 | 417 | 422 | 424 | 438 | 436 | 436 | 442 | 445 | 452 | 452 | 449 | 455 | 463 | 459 | 458 |
| 329 | 3 | M | 407 | 406 | 420 | 423 | 436 | 440 | 447 | 448 | 454 | 441 | 446 | 451 | 454 | 459 | 461 | 469 | 466 | 470 | 464 | 466 |
| 330 | 3 | M | 414 | 416 | 427 | 430 | 435 | 444 | 454 | 448 | 468 | 459 | 463 | 473 | 472 | 473 | 477 | 482 | 486 | 492 | 484 | 487 |
| 331 | 3 | M | 381 | 394 | 393 | 400 | 407 | 413 | 414 | 418 | 423 | 410 | 407 | 419 | 427 | 426 | 432 | 438 | 434 | 444 | 442 | 440 |
| 332 | 3 | M | 395 | 413 | 418 | 424 | 428 | 437 | 448 | 439 | 451 | 436 | 428 | 449 | 447 | --- | --- | --- | --- | --- | --- | --- |
| 333 | 3 | M | 414 | 426 | 430 | 440 | 454 | 451 | 459 | 455 | 467 | 456 | 459 | 466 | 471 | 476 | 478 | 481 | 488 | 501 | 500 | 501 |
| 334 | 3 | M | 413 | 424 | 424 | 432 | 411 | 437 | 447 | 445 | 450 | 402 | 424 | 439 | 440 | 452 | 455 | 463 | 473 | 477 | 480 | 480 |
| 335 | 3 | M | 386 | 396 | 409 | 401 | 402 | 408 | 410 | 415 | 424 | 416 | 423 | 434 | 435 | --- | --- | --- | --- | --- | --- | --- |
| 336 | 3 | M | 405 | 405 | 412 | 425 | 439 | 434 | 437 | 436 | 453 | 441 | 445 | 452 | 456 | 468 | 466 | 468 | 470 | 473 | 470 | 474 |
| 337 | 3 | M | 368 | 361 | 389 | 398 | 403 | 405 | 408 | 411 | 411 | 414 | 418 | 422 | 425 | 427 | 421 | 427 | 421 | 413 | 363 | 269 |
| 338 | 3 | M | 413 | 405 | 428 | 425 | 435 | 441 | 442 | 445 | 447 | 445 | 454 | 459 | 457 | --- | --- | --- | --- | --- | --- | --- |
| 339 | 3 | M | 422 | 407 | 439 | 443 | 445 | 446 | 452 | 451 | 455 | 453 | 452 | 461 | 461 | 468 | --- | --- | --- | --- | --- | --- |
| 340 | 3 | M | 356 | 354 | 364 | 374 | 378 | 383 | 388 | 388 | 397 | 367 | 390 | 403 | 402 | 405 | 411 | 413 | 418 | 428 | 425 | 433 |
| 341 | 3 | M | 400 | 406 | 415 | 422 | 427 | 430 | 437 | 436 | 443 | 434 | 449 | 450 | 450 | 450 | 463 | 464 | 464 | 475 | 475 | 481 |
| 342 | 3 | M | 432 | 439 | 448 | 456 | 463 | 458 | 462 | 467 | 472 | 433 | 446 | 466 | 473 | 480 | 490 | 490 | 491 | 497 | 499 | 503 |
| 343 | 3 | M | 391 | 411 | 420 | 427 | 437 | 439 | 444 | 444 | 452 | 390 | 435 | 442 | 448 | 444 | 460 | 469 | 463 | 472 | 469 | 471 |
| 344 | 3 | M | 376 | 379 | 387 | 395 | 401 | 404 | 404 | 407 | 416 | 374 | 409 | 413 | 419 | 415 | --- | --- | --- | --- | --- | --- |
| 345 | 3 | M | 378 | 397 | 408 | 425 | 425 | 434 | 433 | 438 | 443 | 434 | 448 | 450 | 455 | 448 | 456 | 462 | 466 | 476 | 473 | 475 |
| 346 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 347 | 3 | M | 390 | 418 | 426 | 430 | 438 | 447 | 439 | 437 | 453 | 447 | 431 | 444 | 450 | 457 | 452 | 461 | 469 | 472 | 472 | 472 |
| 348 | 3 | M | 382 | 409 | 423 | 427 | 431 | 428 | 438 | 442 | 443 | 429 | 442 | 447 | 457 | 455 | --- | --- | --- | --- | --- | --- |
| 349 | 3 | M | 398 | 404 | 412 | 421 | 425 | 428 | 434 | 437 | 440 | 404 | 434 | 446 | 443 | 441 | 451 | 451 | 457 | 464 | 466 | 464 |
| 350 | 3 | M | 404 | 405 | 413 | 421 | 423 | 442 | 425 | 428 | 442 | 420 | 428 | 438 | 442 | 442 | 446 | 450 | 451 | 457 | 457 | 456 |
| 351 | 3 | M | 403 | 418 | 430 | 437 | 434 | 442 | 446 | 440 | 443 | 420 | 431 | 443 | 449 | 439 | 455 | 456 | 462 | 467 | 466 | 460 |
| 352 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 353 | 3 | M | 414 | 426 | 445 | 450 | 465 | 463 | 466 | 465 | 479 | 454 | 466 | 472 | 479 | 475 | 482 | 486 | 490 | 490 | 488 | 486 |
| 354 | 3 | M | 411 | 420 | 431 | 436 | 443 | 452 | 448 | 454 | 456 | 414 | 447 | 460 | 467 | 464 | 477 | 470 | 481 | 486 | 488 | 490 |
| 355 | 3 | M | 399 | 404 | 416 | 426 | 429 | 425 | 433 | 439 | 442 | 433 | 438 | 434 | 442 | 437 | 441 | 446 | 451 | 450 | 445 | 451 |
| 356 | 3 | M | 375 | 380 | 388 | 391 | 404 | 404 | 408 | 408 | 415 | 416 | 427 | 428 | 436 | 437 | 439 | 444 | 452 | 449 | 452 | 454 |
| 357 | 3 | M | 350 | 360 | 364 | 362 | 375 | 375 | 382 | 382 | 384 | 370 | 386 | 389 | 392 | 395 | 399 | 403 | 408 | 409 | 407 | 408 |
| 358 | 3 | M | 372 | 382 | 391 | 393 | 400 | 407 | 415 | 411 | 419 | 398 | 417 | 425 | 420 | --- | --- | --- | --- | --- | --- | --- |
| 359 | 3 | M | 414 | 428 | 429 | 431 | 440 | 44[illegible] | 452 | 450 | 462 | 453 | 459 | 470 | 476 | 470 | 478 | 478 | 480 | 490 | 483 | 490 |
| 360 | 3 | M | 378 | 397 | 403 | 409 | 408 | 410 | 418 | 420 | 427 | 416 | 431 | 430 | 430 | 437 | 443 | 448 | 443 | 452 | 454 | 453 |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 361 | 3 | M | 397 | 407 | 404 | 418 | 419 | 422 | 422 | 430 | 431 | 413 | 429 | 436 | 432 | 436 | 438 | 441 | 436 | 451 | 441 | 441 |
| 362 | 3 | M | 412 | 432 | 436 | 440 | 450 | 446 | 449 | 451 | 463 | 407 | 454 | 457 | 457 | 452 | 463 | 464 | 466 | 459 | 471 | 447 |
| 363 | 3 | M | 384 | 395 | 413 | 413 | 418 | 425 | 431 | 433 | 437 | 422 | 432 | 445 | 439 | 438 | 446 | 451 | 454 | 465 | 456 | 455 |
| 364 | 3 | M | 369 | 378 | 380 | 389 | 400 | 401 | 409 | 402 | 407 | 402 | 408 | 414 | 418 | 415 | 413 | 415 | 420 | 430 | 428 | 425 |
| 365 | 3 | M | 387 | 400 | 412 | 420 | 425 | 427 | 438 | 440 | 442 | 433 | 439 | 448 | 449 | 447 | 456 | 449 | 457 | 462 | 456 | 453 |
| 366 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 367 | 3 | M | 357 | 361 | 367 | 364 | 373 | 376 | 380 | 376 | 384 | 370 | 380 | 389 | 391 | 386 | 391 | 398 | 393 | 393 | 392 | 386 |
| 368 | 3 | M | 400 | 409 | 417 | 420 | 426 | 424 | 427 | 426 | 435 | 385 | 408 | 427 | 433 | 435 | 438 | 447 | 447 | 454 | 452 | 458 |
| 369 | 3 | M | 386 | 397 | 404 | 405 | 411 | 414 | 412 | 414 | 423 | 371 | 398 | 415 | 418 | 420 | 424 | 431 | 431 | 436 | 433 | 437 |
| 370 | 3 | M | 388 | 385 | 398 | 405 | 407 | 411 | 421 | 414 | 430 | 412 | 422 | 433 | 436 | 434 | 436 | 442 | 438 | 448 | 444 | 442 |
| 371 | 3 | M | 362 | 372 | 377 | 387 | 391 | 392 | 397 | 402 | 406 | 388 | 394 | 400 | 406 | 406 | 418 | 417 | 420 | 424 | 426 | 422 |
| 372 | 3 | M | 386 | 402 | 410 | 418 | 427 | 425 | 438 | 434 | 443 | 441 | 446 | 444 | 455 | 452 | 453 | 458 | 467 | 474 | 472 | 469 |
| 373 | 3 | M | 382 | 387 | 397 | 402 | 395 | 411 | 423 | 416 | 419 | 408 | 422 | 430 | 426 | 396 | 421 | 434 | 418 | 409 | 389 | 412 |
| 374 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 375 | 3 | M | 396 | 399 | 403 | 410 | 397 | 412 | 419 | 416 | 421 | 409 | 410 | 429 | 432 | 430 | 432 | 440 | 443 | 443 | 437 | 441 |
| 376 | 3 | F | 196 | 196 | 198 | 203 | 207 | 202 | 207 | 207 | 204 | 210 | 211 | 214 | 200 | 205 | 226 | 225 | 218 | 239 | 248 | 248 |
| 377 | 3 | F | 214 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 378 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 379 | 3 | F | 191 | 211 | 217 | 220 | 223 | 224 | 225 | 231 | 228 | 239 | 218 | 236 | 243 | 234 | 238 | 243 | 255 | 253 | 273 | 288 |
| 380 | 3 | F | 189 | 208 | 209 | 216 | 213 | 220 | 219 | 227 | 227 | 231 | 225 | 230 | 236 | 232 | 239 | 243 | 245 | 247 | 243 | 246 |
| 381 | 3 | F | 185 | 197 | 202 | 205 | 203 | 210 | 215 | 217 | 218 | 220 | 211 | 220 | 220 | 217 | 220 | 217 | 224 | 230 | 232 | 228 |
| 382 | 3 | F | 208 | 206 | 206 | 208 | 212 | 219 | 216 | 215 | 221 | 224 | 224 | 228 | 231 | 236 | 238 | 247 | 260 | 270 | 282 | 283 |
| 383 | 3 | F | 226 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 384 | 3 | F | 217 | 219 | 225 | 227 | 226 | 229 | 235 | 237 | 239 | 242 | 241 | 243 | 246 | 250 | 251 | 254 | 258 | 263 | 273 | 282 |
| 385 | 3 | F | 194 | 198 | 203 | 202 | 201 | 211 | 208 | 213 | 217 | 223 | 225 | 222 | 223 | 221 | 220 | 224 | 229 | 239 | 247 | 248 |
| 386 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 387 | 3 | F | 185 | 187 | 193 | 195 | 195 | 201 | 205 | 213 | 219 | 225 | 226 | 229 | 236 | 240 | 240 | 248 | 248 | 248 | 264 | 266 |
| 388 | 3 | F | 199 | 204 | 206 | 211 | 206 | 217 | 219 | 220 | 221 | 225 | 220 | 231 | 230 | 231 | 236 | 244 | 255 | 261 | 270 | 284 |
| 389 | 3 | F | 196 | 193 | 201 | 202 | 204 | 214 | 213 | 213 | 217 | 226 | 217 | 216 | 226 | 226 | 232 | 243 | 251 | 257 | 259 | 267 |
| 390 | 3 | F | 212 | 212 | 214 | 215 | 212 | 218 | 223 | 225 | 240 | 236 | 228 | 229 | 249 | 245 | 239 | 239 | 245 | 248 | 253 | 255 |
| 391 | 3 | F | 187 | 210 | 215 | 221 | 223 | 225 | 224 | 227 | 229 | 230 | 229 | 236 | 244 | 244 | 243 | 244 | 249 | 254 | 261 | 263 |
| 392 | 3 | F | 207 | 190 | 197 | 201 | 198 | 205 | 207 | 207 | 214 | 219 | 224 | 233 | 234 | 240 | 252 | 250 | 252 | 255 | 260 | 265 |
| 393 | 3 | F | 215 | 215 | 221 | 227 | 226 | 228 | 252 | 246 | 245 | 244 | 244 | 250 | 249 | 251 | 254 | 260 | 258 | 264 | 280 | 288 |
| 394 | 3 | F | 212 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 395 | 3 | F | 211 | 215 | 218 | 216 | 220 | 223 | 229 | 233 | 235 | 238 | 239 | 244 | 254 | 249 | 254 | 260 | 265 | 268 | 276 | 276 |
| 396 | 3 | F | 206 | 204 | 203 | 210 | 216 | 219 | 220 | 219 | 225 | 221 | 222 | 225 | 229 | --- | --- | --- | --- | --- | --- | --- |
| 397 | 3 | F | 216 | 222 | 219 | 228 | 229 | 236 | 235 | 241 | 241 | 250 | 249 | 253 | 251 | 255 | 264 | 266 | 276 | 282 | 290 | 298 |
| 398 | 3 | F | 227 | 235 | 238 | 240 | 235 | 242 | 243 | 244 | 252 | 250 | 244 | 249 | 251 | 251 | 254 | 259 | 266 | 273 | 277 | 284 |
| 399 | 3 | F | 195 | 205 | 203 | 207 | 214 | 216 | 219 | 219 | 219 | 220 | 217 | 230 | 229 | 237 | 241 | 242 | 256 | 275 | 271 | 277 |
| 400 | 3 | F | 184 | 185 | 183 | 189 | 189 | 196 | 193 | 195 | 198 | 204 | 208 | 206 | 200 | 207 | 214 | 215 | 217 | 218 | 223 | 235 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 3 | F | 190 | 204 | 206 | 212 | 211 | 219 | 222 | 222 | 225 | 222 | 204 | 230 | 212 | 224 | 229 | 231 | 232 | 236 | 242 | 251 |
| 402 | 3 | F | 214 | 229 | 237 | 234 | 234 | 243 | 246 | 254 | 253 | 252 | 249 | 276 | 261 | 271 | 275 | 286 | 279 | 288 | 294 | 308 |
| 403 | 3 | F | 220 | 218 | 224 | 226 | 226 | 230 | 231 | 233 | 234 | 240 | 222 | 240 | 238 | 244 | 245 | 246 | 250 | 251 | 252 | 263 |
| 404 | 3 | F | 227 | 228 | 230 | 236 | 230 | 238 | 240 | 244 | 246 | 247 | 247 | 252 | 258 | 259 | 267 | 274 | 279 | 282 | 282 | 289 |
| 405 | 3 | F | 220 | 224 | 229 | 234 | 227 | 236 | 242 | 242 | 242 | 240 | 233 | 263 | 255 | 253 | 265 | 266 | 280 | 280 | 280 | 282 |
| 406 | 3 | F | 207 | 213 | 214 | 216 | 217 | 225 | 225 | 236 | 248 | 249 | 258 | 266 | 266 | --- | --- | --- | --- | --- | --- | --- |
| 407 | 3 | F | 226 | 230 | 231 | 236 | 235 | 237 | 241 | 242 | 247 | 251 | 249 | 255 | 259 | 269 | 264 | 266 | 277 | 284 | 296 | 296 |
| 408 | 3 | F | 224 | 226 | 226 | 231 | 233 | 236 | 241 | 243 | 244 | 247 | 243 | 246 | 244 | --- | --- | --- | --- | --- | --- | --- |
| 409 | 3 | F | 228 | 232 | 235 | 239 | 237 | 249 | 247 | 251 | 254 | 250 | 247 | 252 | 258 | 257 | 262 | 262 | 272 | 279 | 288 | 298 |
| 410 | 3 | F | 206 | 209 | 217 | 215 | 217 | 221 | 225 | 221 | 229 | 223 | 229 | 231 | 236 | 234 | 236 | 238 | 251 | 252 | 250 | 247 |
| 411 | 3 | F | 198 | 197 | 205 | 211 | 212 | 210 | 215 | 218 | 220 | 211 | 214 | 220 | 216 | 217 | 221 | 224 | 232 | 239 | 235 | 234 |
| 412 | 3 | F | 191 | 196 | 196 | 202 | 205 | 211 | 211 | 205 | 210 | 211 | 206 | 211 | 212 | 230 | 235 | 247 | 254 | 257 | 262 | 264 |
| 413 | 3 | F | 207 | 212 | 214 | 220 | 216 | 222 | 227 | 227 | 226 | 224 | 226 | 229 | 228 | 230 | 231 | 235 | 242 | 254 | 262 | 267 |
| 414 | 3 | F | 213 | 208 | 212 | 212 | 214 | 220 | 217 | 221 | 228 | 222 | 219 | 227 | 226 | --- | --- | --- | --- | --- | --- | --- |
| 415 | 3 | F | 216 | 220 | 227 | 230 | 227 | 232 | 236 | 239 | 246 | 241 | 228 | 263 | 257 | 257 | --- | --- | --- | --- | --- | --- |
| 416 | 3 | F | 225 | 224 | 230 | 237 | 236 | 243 | 244 | 250 | 252 | 253 | 237 | 252 | 253 | 255 | 260 | 270 | 277 | 282 | 286 | 294 |
| 417 | 3 | F | 212 | 217 | 223 | 228 | 224 | 226 | 231 | 234 | 240 | 238 | 230 | 236 | 238 | 245 | 246 | 254 | 259 | 268 | 274 | 277 |
| 418 | 3 | F | 205 | 218 | 214 | 216 | 217 | 222 | 219 | 224 | 235 | 237 | 235 | 231 | 240 | 249 | 265 | 264 | 270 | 278 | 284 | 283 |
| 419 | 3 | F | 210 | 216 | 217 | 217 | 221 | 219 | 230 | 234 | 233 | 234 | 223 | 238 | 239 | 235 | 245 | 249 | 255 | 256 | 264 | 268 |
| 420 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 421 | 3 | F | 225 | 228 | 236 | 235 | 238 | 236 | 237 | 243 | 250 | 251 | 227 | 238 | 247 | 244 | 242 | 247 | 256 | 252 | 258 | 265 |
| 422 | 3 | F | 202 | 209 | 214 | 219 | 222 | 220 | 226 | 228 | 230 | 230 | 230 | 237 | 229 | 236 | 240 | 243 | 251 | 263 | 267 | 266 |
| 423 | 3 | F | 211 | 219 | 223 | 224 | 221 | 228 | 234 | 234 | 237 | 237 | 226 | 230 | 235 | 249 | 251 | 267 | 272 | 271 | 278 | 284 |
| 424 | 3 | F | 234 | 236 | 244 | 248 | 250 | 251 | 254 | 262 | 266 | 272 | 262 | 286 | 284 | 290 | 294 | 304 | 313 | 314 | 324 | 326 |
| 425 | 3 | F | 203 | 205 | 194 | 212 | 221 | 217 | 221 | 222 | 224 | 227 | 210 | 238 | 231 | 232 | --- | --- | --- | --- | --- | --- |
| 426 | 3 | F | 201 | 211 | 208 | 220 | 224 | 222 | 227 | 234 | 236 | 238 | 241 | 238 | 242 | 244 | 249 | 258 | 264 | 288 | 291 | 291 |
| 427 | 3 | F | 204 | 208 | 208 | 214 | 216 | 216 | 222 | 222 | 230 | 236 | 231 | 240 | 244 | 245 | 239 | 246 | 246 | 253 | 252 | 258 |
| 428 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 429 | 3 | F | 201 | 205 | 208 | 206 | 210 | 212 | 217 | 219 | 214 | 219 | 218 | 224 | 227 | 227 | --- | --- | --- | --- | --- | --- |
| 430 | 3 | F | 197 | 204 | 207 | 210 | 206 | 212 | 216 | 224 | 233 | 232 | 231 | 226 | 243 | 241 | 245 | 250 | 253 | 256 | 258 | 256 |
| 431 | 3 | F | 224 | 222 | 226 | 229 | 237 | 241 | 244 | 249 | 249 | 254 | 250 | 246 | 252 | 257 | 259 | 265 | 262 | 274 | 284 | 289 |
| 432 | 3 | F | 214 | 210 | 222 | 230 | 225 | 232 | 233 | 238 | 240 | 244 | 242 | 250 | 257 | 261 | 260 | 264 | 277 | 284 | 288 | 285 |
| 433 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 434 | 3 | F | 191 | 192 | 199 | 203 | 203 | 208 | 211 | 213 | 215 | 213 | 215 | 218 | 216 | --- | --- | --- | --- | --- | --- | --- |
| 435 | 3 | F | 217 | 221 | 226 | 227 | 228 | 231 | 233 | 234 | 240 | 244 | 248 | 245 | 255 | 258 | 254 | 265 | 280 | 280 | 287 | 279 |
| 436 | 3 | F | 198 | 206 | 205 | 214 | 215 | 218 | 220 | 218 | 222 | 217 | 216 | 218 | 226 | 225 | 224 | 238 | 243 | 248 | 256 | 255 |
| 437 | 3 | F | 208 | 207 | 209 | 212 | 212 | 218 | 221 | 222 | 231 | 232 | 236 | 235 | 241 | 252 | 262 | 272 | 281 | 283 | 279 | 289 |
| 438 | 3 | F | 211 | 213 | 217 | 225 | 224 | 226 | 230 | 232 | 236 | 240 | 237 | 240 | 247 | 250 | 249 | 258 | 263 | 268 | 274 | 274 |
| 439 | 3 | F | 189 | 200 | 206 | 206 | 204 | 208 | 214 | 217 | 220 | 221 | 216 | 221 | 225 | 229 | 240 | 239 | 252 | 256 | 264 | 270 |
| 440 | 3 | F | 203 | 204 | 204 | 210 | 210 | 212 | 218 | 221 | 224 | 233 | 220 | 234 | 233 | 232 | 233 | 236 | 243 | 252 | 253 | 256 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 441 | 3 | F | 211 | 214 | 215 | 220 | 217 | 221 | 231 | 229 | 234 | 235 | 233 | 234 | 230 | 240 | 246 | 245 | 249 | 259 | 264 | 266 |
| 442 | 3 | F | 216 | 214 | 218 | 223 | 232 | 236 | 234 | 237 | 234 | 232 | 239 | 240 | 240 | --- | --- | --- | --- | --- | --- | --- |
| 443 | 3 | F | 195 | 192 | 193 | 196 | 204 | 205 | 207 | 213 | 216 | 209 | 224 | 227 | 224 | 235 | 231 | 243 | 248 | 250 | 258 | 261 |
| 444 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 445 | 3 | F | 218 | 215 | 222 | 227 | 238 | 238 | 234 | 242 | 243 | 245 | 246 | 263 | 260 | 254 | 253 | 256 | 263 | 267 | 270 | 272 |
| 446 | 3 | F | 210 | 211 | 213 | 216 | 223 | 223 | 223 | 228 | 231 | 233 | 248 | 241 | 247 | 252 | 261 | 260 | 266 | 276 | 280 | 282 |
| 447 | 3 | F | 202 | 207 | 207 | 210 | 222 | 219 | 222 | 220 | 223 | 226 | 225 | 231 | 232 | 234 | 243 | 248 | 255 | 263 | 266 | 273 |
| 448 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 449 | 3 | F | 202 | 207 | 207 | 213 | 222 | 221 | 227 | 224 | 232 | 229 | 233 | 230 | 237 | 236 | 244 | 248 | 252 | 264 | 265 | 262 |
| 450 | 3 | F | 215 | 215 | 221 | 227 | 234 | 230 | 234 | 233 | 234 | 238 | 244 | 246 | 253 | --- | --- | --- | --- | --- | --- | --- |
| 451 | 4 | M | 374 | 383 | 385 | 394 | 392 | 402 | 394 | 394 | 403 | 403 | 368 | 396 | 407 | 409 | 410 | 412 | 413 | 421 | 415 | 418 |
| 452 | 4 | M | 388 | 394 | 402 | 399 | 405 | 420 | 419 | 417 | 421 | 425 | 413 | 426 | 429 | 437 | 433 | 443 | 441 | 445 | 440 | 446 |
| 453 | 4 | M | 368 | 373 | 374 | 377 | 386 | 391 | 390 | 393 | 391 | 397 | 384 | 393 | 401 | 397 | 400 | 403 | 406 | 408 | 408 | 402 |
| 454 | 4 | M | 390 | 367 | 399 | 409 | 404 | 413 | 410 | 418 | 419 | 430 | 419 | 432 | 443 | 433 | 442 | 440 | 439 | 448 | 444 | 432 |
| 455 | 4 | M | 389 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 456 | 4 | M | 405 | 378 | 421 | 425 | 416 | 430 | 433 | 435 | 440 | 450 | 429 | 441 | 452 | --- | --- | --- | --- | --- | --- | --- |
| 457 | 4 | M | 380 | 377 | 392 | 393 | 390 | 407 | 405 | 409 | 412 | 420 | 404 | 416 | 424 | 420 | 416 | 432 | 424 | 429 | 431 | 423 |
| 458 | 4 | M | 438 | 444 | 447 | 459 | 451 | 461 | 465 | 467 | 468 | 462 | 448 | 465 | 465 | --- | --- | --- | --- | --- | --- | --- |
| 459 | 4 | M | 358 | 370 | 377 | 373 | 376 | 384 | 388 | 391 | 400 | 400 | 397 | 398 | 408 | 402 | 410 | 410 | 414 | 409 | 418 | 418 |
| 460 | 4 | M | 373 | 394 | 365 | 408 | 412 | 427 | 429 | 437 | 441 | 438 | 385 | 425 | 440 | 410 | 424 | 423 | 418 | 415 | 428 | 433 |
| 461 | 4 | M | 379 | 387 | 390 | 393 | 396 | 400 | 408 | 412 | 424 | 416 | 404 | 418 | 427 | 430 | 425 | 435 | 433 | 441 | 430 | 444 |
| 462 | 4 | M | 352 | 359 | 366 | 372 | 377 | 380 | 383 | 392 | 398 | 386 | 386 | 394 | 398 | 401 | 410 | 417 | 422 | 427 | 413 | 421 |
| 463 | 4 | M | 415 | 414 | 431 | 428 | 425 | 439 | 442 | 439 | 452 | 453 | 417 | 444 | 448 | --- | --- | --- | --- | --- | --- | --- |
| 464 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 465 | 4 | M | 354 | 363 | 374 | 376 | 376 | 384 | 388 | 388 | 392 | 398 | 379 | 394 | 400 | 386 | 392 | 389 | 392 | 389 | 385 | 380 |
| 466 | 4 | M | 351 | 351 | 355 | 365 | 365 | 377 | 380 | 384 | 392 | 395 | 384 | 395 | 398 | 403 | 406 | 406 | 408 | 411 | 403 | 412 |
| 467 | 4 | M | 368 | 377 | 385 | 394 | 393 | 402 | 403 | 406 | 414 | 417 | 411 | 420 | 425 | 428 | 424 | 433 | 430 | 438 | 437 | 433 |
| 468 | 4 | M | 398 | 406 | 411 | 421 | 415 | 429 | 428 | 430 | 435 | 439 | 433 | 438 | 439 | 442 | 440 | 446 | 436 | 447 | 444 | 441 |
| 469 | 4 | M | 384 | 409 | 409 | 420 | 424 | 428 | 432 | 432 | 442 | 446 | 425 | 448 | 460 | 451 | 456 | 464 | 456 | 464 | 470 | 469 |
| 470 | 4 | M | 382 | 398 | 404 | 410 | 410 | 416 | 416 | 423 | 426 | 418 | 424 | 427 | 432 | 430 | --- | --- | --- | --- | --- | --- |
| 471 | 4 | M | 376 | 397 | 399 | 408 | 406 | 416 | 417 | 418 | 424 | 416 | 410 | 424 | 433 | 425 | 427 | 413 | 406 | 403 | 398 | 402 |
| 472 | 4 | M | 373 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 473 | 4 | M | 417 | 430 | 435 | 442 | 448 | 456 | 452 | 451 | 464 | 408 | 430 | 457 | 462 | 459 | 472 | 467 | 472 | 478 | 481 | 480 |
| 474 | 4 | M | 377 | 390 | 397 | 400 | 406 | 410 | 411 | 413 | 425 | 386 | 405 | 430 | 437 | 430 | 440 | 436 | 434 | 444 | 443 | 444 |
| 475 | 4 | M | 382 | 392 | 395 | 405 | 401 | 412 | 413 | 413 | 423 | 414 | 421 | 429 | 437 | 440 | 439 | 444 | 448 | 454 | 455 | 452 |
| 476 | 4 | M | 350 | 357 | 367 | 370 | 371 | 380 | 382 | 379 | 381 | 374 | 381 | 382 | 385 | 390 | --- | --- | --- | --- | --- | --- |
| 477 | 4 | M | 425 | 432 | 438 | 438 | 445 | 452 | 453 | 457 | 462 | 449 | 458 | 470 | 479 | 481 | 479 | 489 | 487 | 490 | 484 | 484 |
| 478 | 4 | M | 392 | 402 | 410 | 416 | 412 | 423 | 424 | 420 | 424 | 410 | 390 | 418 | 421 | 429 | 429 | 431 | 433 | 442 | 432 | 438 |
| 479 | 4 | M | 394 | 400 | 402 | 406 | 403 | 403 | 411 | 400 | 409 | 411 | 391 | 410 | 426 | 414 | 424 | 430 | 428 | 383 | 377 | 402 |
| 480 | 4 | M | 412 | 419 | 425 | 434 | 441 | 439 | 444 | 448 | 450 | 444 | 423 | 443 | 446 | 454 | 454 | 458 | 454 | 464 | 463 | 464 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 4 | M | 380 | 402 | 403 | 417 | 424 | 423 | 431 | 433 | 445 | 433 | 449 | 455 | 454 | 448 | 449 | 458 | 464 | 466 | 466 | 467 |
| 482 | 4 | M | 445 | 454 | 462 | 472 | 478 | 482 | 480 | 482 | 484 | 455 | 471 | 486 | 496 | 485 | 491 | 502 | 501 | 513 | 516 | 517 |
| 483 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 484 | 4 | M | 345 | 358 | 359 | 360 | 368 | 373 | 377 | 371 | 384 | 371 | 374 | 381 | 386 | 392 | 395 | 398 | 386 | 402 | 404 | 411 |
| 485 | 4 | M | 405 | 413 | 412 | 421 | 419 | 429 | 428 | 426 | 438 | 423 | 428 | 435 | 438 | --- | --- | --- | --- | --- | --- | --- |
| 486 | 4 | M | 310 | 312 | 318 | 328 | 332 | 329 | 336 | 340 | 347 | 337 | 331 | 347 | 356 | --- | --- | --- | --- | --- | --- | --- |
| 487 | 4 | M | 410 | 409 | 432 | 435 | 439 | 441 | 445 | 441 | 442 | 436 | 439 | 452 | 454 | 458 | 461 | 464 | 464 | 470 | 463 | 465 |
| 488 | 4 | M | 349 | 354 | 358 | 370 | 374 | 372 | 376 | 377 | 383 | 376 | 384 | 392 | 394 | 396 | 398 | 400 | 407 | 407 | 409 | 409 |
| 489 | 4 | M | 366 | 376 | 374 | 390 | 389 | 398 | 406 | 406 | 411 | 397 | 397 | 413 | 408 | 416 | 417 | 429 | 427 | 427 | 427 | 419 |
| 490 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 491 | 4 | M | 345 | 355 | 361 | 363 | 368 | 374 | 371 | 378 | 383 | 379 | 384 | 393 | 394 | 393 | 397 | 397 | 402 | 410 | 408 | 407 |
| 492 | 4 | M | 370 | 387 | 389 | 394 | 408 | 408 | 405 | 414 | 418 | 404 | 397 | 416 | 413 | 391 | --- | --- | --- | --- | --- | --- |
| 493 | 4 | M | 350 | 356 | 361 | 369 | 369 | 373 | 374 | 383 | 383 | 376 | 350 | 379 | 386 | 382 | 388 | 392 | 394 | 394 | 389 | 393 |
| 494 | 4 | M | 409 | 415 | 421 | 426 | 440 | 433 | 443 | 444 | 454 | 448 | 440 | 458 | 461 | 460 | 470 | 470 | 468 | 474 | 480 | 476 |
| 495 | 4 | M | 378 | 376 | 394 | 396 | 405 | 403 | 404 | 407 | 419 | 412 | 415 | 423 | 425 | 420 | 425 | 427 | 428 | 431 | 437 | 436 |
| 496 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 497 | 4 | M | 347 | 364 | 362 | 373 | 368 | 370 | 379 | 375 | 376 | 374 | 388 | 388 | 384 | --- | --- | --- | --- | --- | --- | --- |
| 498 | 4 | M | 384 | 405 | 414 | 421 | 427 | 430 | 429 | 431 | 434 | 426 | 434 | 446 | 447 | 445 | 438 | 446 | 446 | 440 | 445 | 445 |
| 499 | 4 | M | 429 | 429 | 442 | 448 | 455 | 454 | 456 | 458 | 472 | 435 | 449 | 467 | 469 | 468 | 480 | 484 | 485 | 491 | 486 | 488 |
| 500 | 4 | M | 367 | 371 | 375 | 387 | 387 | 386 | 398 | 396 | 397 | 379 | 378 | 385 | 398 | 406 | 409 | 412 | 415 | 419 | 416 | --- |
| 501 | 4 | M | 372 | 384 | 390 | 394 | 398 | 402 | 406 | 402 | 411 | 407 | 414 | 422 | 423 | 423 | 429 | 431 | 437 | 447 | 443 | 443 |
| 502 | 4 | M | 382 | 395 | 410 | 411 | 398 | 418 | 427 | 426 | 434 | 428 | 418 | 430 | 446 | 438 | 450 | 452 | 451 | 452 | 454 | 452 |
| 503 | 4 | M | 400 | 407 | 418 | 422 | 423 | 439 | 429 | 441 | 447 | 423 | 432 | 446 | 451 | 456 | 457 | 456 | 460 | 464 | 465 | 467 |
| 504 | 4 | M | 398 | 408 | 411 | 413 | 424 | 432 | 431 | 432 | 441 | 418 | 425 | 437 | 444 | 446 | 443 | 447 | 450 | 455 | 448 | 451 |
| 505 | 4 | M | 374 | 389 | 393 | 402 | 401 | 416 | 410 | 416 | 418 | 387 | 404 | 406 | 416 | 410 | 414 | 420 | 429 | 433 | 427 | 430 |
| 506 | 4 | M | 362 | 368 | 369 | 382 | 381 | 387 | 384 | 385 | 385 | 359 | 378 | 382 | 392 | 396 | 399 | 401 | 403 | 407 | 408 | 407 |
| 507 | 4 | M | 363 | 369 | 374 | 384 | 386 | 391 | 391 | 391 | 398 | 380 | 390 | 398 | 398 | 396 | 404 | 405 | 412 | 411 | 406 | 406 |
| 508 | 4 | M | 301 | 308 | 302 | 312 | 322 | 321 | 324 | 323 | 332 | 323 | 331 | 340 | 337 | 338 | --- | --- | --- | --- | --- | --- |
| 509 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 510 | 4 | M | 364 | 372 | 374 | 386 | 385 | 385 | 392 | 395 | 396 | 386 | 395 | 400 | 403 | 406 | 402 | 400 | 402 | 408 | 410 | 412 |
| 511 | 4 | M | 384 | 383 | 394 | 401 | 405 | 408 | 402 | 409 | 417 | 401 | 414 | 416 | 407 | 412 | 427 | 421 | 431 | 432 | 431 | 427 |
| 512 | 4 | M | 410 | 411 | 420 | 432 | 426 | 438 | 430 | 428 | 444 | 416 | 432 | 441 | 443 | 445 | 449 | 453 | 459 | 460 | 463 | 460 |
| 513 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 514 | 4 | M | 374 | 384 | 396 | 402 | 409 | 411 | 407 | 407 | 419 | 403 | 408 | 413 | 416 | 421 | 411 | 416 | 417 | 428 | 430 | 427 |
| 515 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 516 | 4 | M | 368 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 517 | 4 | M | 391 | 395 | 409 | 412 | 418 | 415 | 425 | 415 | 428 | 413 | 405 | 429 | 431 | --- | --- | --- | --- | --- | --- | --- |
| 518 | 4 | M | 395 | 396 | 410 | 413 | 422 | 427 | 429 | 428 | 435 | 429 | 405 | 438 | 451 | 442 | 450 | 454 | 456 | 456 | 449 | 448 |
| 519 | 4 | M | 389 | 410 | 420 | 427 | 429 | 432 | 434 | 434 | 438 | 435 | 425 | 440 | 442 | 442 | 444 | 453 | 461 | 458 | 460 | 464 |
| 520 | 4 | M | 414 | 416 | 429 | 440 | 440 | 446 | 446 | 446 | 446 | 438 | 455 | 457 | 461 | 463 | 465 | 469 | 472 | 471 | 474 | 470 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 521 | 4 | M | 339 | 346 | 353 | 366 | 369 | 370 | 362 | 367 | 369 | 357 | 354 | 373 | 378 | 370 | 377 | 385 | 388 | 390 | 388 | 398 |
| 522 | 4 | M | 362 | 364 | 380 | 384 | 388 | 394 | 390 | 392 | 396 | 382 | 397 | 406 | 409 | 405 | 410 | 414 | 416 | 418 | 410 | 410 |
| 523 | 4 | M | 365 | 380 | 382 | 383 | 393 | 400 | 398 | 398 | 406 | 384 | 389 | 398 | 401 | 406 | 395 | 411 | 414 | 409 | 410 | 411 |
| 524 | 4 | M | 371 | 376 | 388 | 389 | 394 | 397 | 394 | 396 | 409 | 392 | 391 | 406 | 410 | 400 | 413 | 419 | 413 | 419 | 416 | 418 |
| 525 | 4 | M | 374 | 389 | 395 | 403 | 403 | 405 | 407 | 410 | 411 | 378 | 397 | 412 | 418 | 411 | 415 | 419 | 422 | 428 | 427 | 428 |
| 526 | 4 | F | 156 | 161 | 160 | 167 | 163 | 170 | 170 | 166 | 170 | 174 | 171 | 170 | 166 | 172 | 172 | 171 | 171 | 171 | 176 | 178 |
| 527 | 4 | F | 220 | 220 | 224 | 226 | 226 | 234 | 230 | 236 | 239 | 242 | 224 | 252 | 246 | 246 | --- | --- | --- | --- | --- | --- |
| 528 | 4 | F | 176 | 178 | 181 | 184 | 180 | 192 | 193 | 191 | 196 | 200 | 204 | 207 | 217 | 217 | 222 | 224 | 232 | 239 | 243 | 244 |
| 529 | 4 | F | 190 | 193 | 195 | 199 | 200 | 210 | 209 | 207 | 214 | 217 | 206 | 221 | 222 | --- | --- | --- | --- | --- | --- | --- |
| 530 | 4 | F | 227 | 224 | 235 | 237 | 236 | 244 | 248 | 244 | 251 | 258 | 242 | 257 | 259 | 255 | 249 | 248 | 257 | 269 | 284 | 288 |
| 531 | 4 | F | 185 | 191 | 195 | 197 | 191 | 198 | 194 | 206 | 206 | 209 | 202 | 207 | 212 | --- | --- | --- | --- | --- | --- | --- |
| 532 | 4 | F | 205 | 214 | 215 | 215 | 213 | 220 | 222 | 226 | 226 | 228 | 228 | 233 | 230 | 232 | 238 | 247 | 254 | 257 | 260 | 263 |
| 533 | 4 | F | 202 | 209 | 214 | 210 | 210 | 218 | 221 | 218 | 221 | 224 | 223 | 227 | 223 | 227 | 224 | 231 | 228 | 228 | 237 | 236 |
| 534 | 4 | F | 210 | 216 | 220 | 221 | 223 | 225 | 229 | 232 | 234 | 235 | 218 | 247 | 247 | 241 | 246 | 241 | 247 | 255 | 254 | 257 |
| 535 | 4 | F | 228 | 232 | 237 | 239 | 243 | 248 | 254 | 255 | 256 | 255 | 261 | 264 | 253 | 255 | 270 | 267 | 282 | 293 | 285 | 293 |
| 536 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 537 | 4 | F | 204 | 205 | 210 | 211 | 213 | 218 | 221 | 223 | 227 | 228 | 225 | 229 | 226 | 228 | 232 | 234 | 244 | 249 | 250 | 254 |
| 538 | 4 | F | 208 | 214 | 219 | 222 | 215 | 228 | 223 | 226 | 230 | 230 | 231 | 237 | 240 | --- | --- | --- | --- | --- | --- | --- |
| 539 | 4 | F | 209 | 210 | 215 | 220 | 217 | 243 | 251 | 254 | 260 | 259 | 257 | 264 | 268 | 269 | 276 | 281 | 289 | 296 | 296 | 294 |
| 540 | 4 | F | 201 | 204 | 213 | 220 | 205 | 222 | 219 | 222 | 220 | 223 | 227 | 233 | 229 | 210 | 219 | 225 | 233 | 236 | 235 | 233 |
| 541 | 4 | F | 202 | 204 | 204 | 205 | 207 | 213 | 217 | 214 | 218 | 220 | 221 | 225 | 226 | 233 | 239 | 244 | 246 | 251 | 258 | 261 |
| 542 | 4 | F | 221 | 220 | 225 | 230 | 231 | 236 | 233 | 236 | 241 | 239 | 223 | 247 | 242 | 243 | --- | --- | --- | --- | --- | --- |
| 543 | 4 | F | 201 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 544 | 4 | F | 213 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 545 | 4 | F | 209 | 209 | 215 | 223 | 223 | 229 | 232 | 231 | 236 | 237 | 236 | 240 | 236 | 238 | 247 | 251 | 255 | 262 | 276 | 280 |
| 546 | 4 | F | 172 | 170 | 175 | 180 | 180 | 186 | 187 | 191 | 192 | 196 | 189 | 196 | 196 | 195 | 200 | 203 | 209 | 217 | 220 | 224 |
| 547 | 4 | F | 210 | 216 | 216 | 222 | 228 | 229 | 234 | 236 | 239 | 242 | 241 | 240 | 249 | 252 | 247 | 254 | 257 | 258 | 262 | 262 |
| 548 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 549 | 4 | F | 232 | 234 | 239 | 244 | 243 | 245 | 253 | 257 | 260 | 262 | 243 | 259 | 260 | 266 | 267 | 280 | 289 | 304 | 308 | 302 |
| 550 | 4 | F | 213 | 216 | 219 | 225 | 222 | 223 | 228 | 231 | 239 | 238 | 237 | 240 | 240 | 246 | 258 | 267 | 268 | 282 | 282 | 286 |
| 551 | 4 | F | 192 | 190 | 198 | 202 | 199 | 201 | 206 | 209 | 209 | 211 | 209 | 214 | 215 | 221 | 215 | 223 | 225 | 230 | 234 | 233 |
| 552 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 553 | 4 | F | 203 | 210 | 211 | 217 | 217 | 222 | 224 | 222 | 224 | 230 | 222 | 229 | 229 | 231 | 219 | 225 | 236 | 244 | 251 | 251 |
| 554 | 4 | F | 187 | 190 | 196 | 198 | 197 | 197 | 202 | 202 | 208 | 207 | 194 | 212 | 213 | 212 | 200 | 215 | 221 | 244 | 240 | 240 |
| 555 | 4 | F | 223 | 227 | 227 | 230 | 235 | 238 | 243 | 243 | 245 | 258 | 255 | 261 | 262 | --- | --- | --- | --- | --- | --- | --- |
| 556 | 4 | F | 201 | 206 | 211 | 219 | 224 | 229 | 234 | 228 | 227 | 222 | 228 | 224 | 221 | 222 | 231 | 230 | 236 | 240 | 244 | 260 |
| 557 | 4 | F | 201 | 209 | 206 | 214 | 217 | 220 | 220 | 220 | 220 | 217 | 218 | 220 | 224 | 224 | --- | --- | --- | --- | --- | --- |
| 558 | 4 | F | 204 | 200 | 207 | 211 | 209 | 215 | 219 | 212 | 223 | 222 | 220 | 226 | 226 | 223 | 225 | 230 | 230 | 234 | 239 | 242 |
| 559 | 4 | F | 204 | 208 | 210 | 209 | 214 | 213 | 216 | 223 | 222 | 219 | 226 | 227 | 228 | 229 | 226 | 224 | 230 | 238 | 246 | 248 |
| 560 | 4 | F | 202 | 208 | 210 | 211 | 213 | 213 | 220 | 218 | 224 | 223 | 230 | 229 | 224 | 225 | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 561 | 4 | F | 215 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 562 | 4 | F | 200 | 192 | 203 | 212 | 214 | 210 | 212 | 217 | 218 | 210 | 223 | 221 | 224 | 228 | 229 | 223 | 220 | 227 | 230 | 237 |
| 563 | 4 | F | 211 | 212 | 216 | 222 | 226 | 226 | 222 | 222 | 223 | 223 | 232 | 232 | 238 | 238 | 241 | 247 | 249 | 250 | 259 | 263 |
| 564 | 4 | F | 197 | 190 | 210 | 210 | 216 | 214 | 215 | 219 | 219 | 221 | 222 | 225 | 228 | 232 | 237 | 249 | 250 | 254 | 259 | 264 |
| 565 | 4 | F | 195 | 196 | 198 | 204 | 211 | 204 | 208 | 212 | 219 | 219 | 224 | 225 | 214 | 225 | 223 | 226 | 230 | 236 | 241 | 242 |
| 566 | 4 | F | 182 | 186 | 183 | --- | 194 | 192 | 198 | 197 | 196 | 197 | 199 | 196 | 197 | --- | --- | --- | --- | --- | --- | --- |
| 567 | 4 | F | 216 | 223 | 222 | 229 | 235 | 229 | 236 | 240 | 250 | 253 | 260 | 265 | 263 | --- | --- | --- | --- | --- | --- | --- |
| 568 | 4 | F | 204 | 202 | 209 | 215 | 219 | 218 | 221 | 219 | 224 | 221 | 227 | 230 | 239 | 236 | 250 | 258 | 258 | 264 | 268 | 266 |
| 569 | 4 | F | 174 | 176 | 182 | 182 | 187 | 185 | 186 | 186 | 191 | 189 | 191 | 190 | 192 | 196 | 197 | 206 | 200 | 212 | 211 | 214 |
| 570 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 571 | 4 | F | 195 | 200 | 202 | 210 | 213 | 218 | 219 | 224 | 229 | 224 | 235 | 233 | 237 | 235 | 242 | 249 | 255 | 257 | 259 | 264 |
| 572 | 4 | F | 200 | 206 | 205 | 208 | 209 | 210 | 212 | 221 | 220 | 218 | 223 | 218 | 229 | 234 | 237 | 246 | 250 | 265 | 274 | 278 |
| 573 | 4 | F | 196 | 200 | 200 | 198 | 203 | 203 | 209 | 209 | 209 | 208 | 222 | 218 | 220 | 220 | 230 | 234 | 246 | 255 | 256 | 261 |
| 574 | 4 | F | 192 | 192 | 195 | 200 | 204 | 200 | 204 | 207 | 210 | 208 | 214 | 218 | 214 | 210 | 214 | 221 | 221 | 228 | 227 | 234 |
| 575 | 4 | F | 199 | 198 | 198 | 205 | 203 | 205 | 207 | 214 | 210 | 198 | 222 | 215 | 212 | 218 | 218 | 221 | 227 | 228 | 239 | 239 |
| 576 | 4 | F | 208 | 207 | 215 | 220 | 222 | 216 | 220 | 220 | 228 | 216 | 222 | 226 | 229 | 236 | 238 | 246 | 248 | 256 | 261 | 267 |
| 577 | 4 | F | 210 | 212 | 214 | 215 | 224 | 219 | 222 | 223 | 233 | 225 | 232 | 233 | 237 | 239 | 243 | 251 | 253 | 259 | 266 | 275 |
| 578 | 4 | F | 189 | 194 | 192 | 194 | 196 | 199 | 204 | 198 | 204 | 205 | 210 | 209 | 207 | 206 | 214 | 219 | 220 | 228 | 231 | 238 |
| 579 | 4 | F | 207 | 206 | 208 | 210 | 219 | 217 | 216 | 220 | 228 | 227 | 229 | 237 | 242 | 245 | 255 | 257 | 260 | 262 | 267 | 273 |
| 580 | 4 | F | 217 | 216 | 218 | 223 | 229 | 226 | 225 | 225 | 230 | 224 | 228 | 229 | 234 | 233 | 245 | 245 | 255 | 264 | 265 | 266 |
| 581 | 4 | F | 203 | 211 | 216 | 221 | 224 | 222 | 226 | 227 | 237 | 233 | 234 | 234 | 242 | 240 | 242 | 253 | 253 | 258 | 260 | 259 |
| 582 | 4 | F | 206 | 215 | 214 | 223 | 222 | 223 | 224 | 227 | 236 | 229 | 239 | 242 | 242 | 239 | 243 | 253 | 254 | 263 | 264 | 275 |
| 583 | 4 | F | 205 | 189 | 208 | 210 | 214 | 220 | 220 | 221 | 226 | 206 | 226 | 224 | 235 | 241 | 245 | 252 | 256 | 260 | 264 | 274 |
| 584 | 4 | F | 188 | 190 | 189 | 194 | 201 | 199 | 200 | 200 | 202 | 198 | 206 | 209 | 209 | 210 | 212 | 219 | 221 | 227 | 230 | 230 |
| 585 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 586 | 4 | F | 189 | 197 | 204 | 203 | 208 | 208 | 203 | 208 | 212 | 209 | 206 | 209 | 212 | 210 | 216 | 216 | 216 | 221 | 226 | 229 |
| 587 | 4 | F | 202 | 200 | 210 | 215 | 216 | 216 | 219 | 224 | 224 | 221 | 224 | 234 | 238 | 237 | 247 | 259 | 271 | 275 | 280 | 281 |
| 588 | 4 | F | 188 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 589 | 4 | F | 205 | 208 | 209 | 212 | 210 | 214 | 212 | 215 | 223 | 221 | 224 | 226 | 235 | 234 | 240 | 238 | 249 | 255 | 254 | 259 |
| 590 | 4 | F | 202 | 207 | 203 | 209 | 213 | 214 | 220 | 216 | 225 | 217 | 223 | 225 | 227 | 228 | 240 | 250 | 261 | 257 | 262 | 272 |
| 591 | 4 | F | 193 | 197 | 199 | 206 | 208 | 206 | 213 | 214 | 222 | 214 | 216 | 221 | 224 | 228 | 232 | 236 | 237 | 248 | 245 | 247 |
| 592 | 4 | F | 209 | 214 | 218 | 217 | 223 | 222 | 227 | 228 | 230 | 225 | 228 | 232 | 234 | 235 | 245 | 254 | 256 | 260 | 263 | 265 |
| 593 | 4 | F | 197 | 204 | 205 | 215 | 220 | 216 | 215 | 217 | 218 | 215 | 222 | 221 | 219 | 216 | 221 | 233 | 237 | 244 | 246 | 242 |
| 594 | 4 | F | 202 | 202 | 205 | 210 | 215 | 209 | 212 | 216 | 214 | 212 | 218 | 218 | 218 | 222 | 223 | 233 | 241 | 248 | 239 | 247 |
| 595 | 4 | F | 197 | 201 | 215 | 220 | 216 | 214 | 219 | 221 | 225 | 206 | 230 | 228 | 221 | 228 | 232 | 232 | 234 | 238 | 242 | 249 |
| 596 | 4 | F | 222 | 224 | 226 | 225 | 229 | 237 | 236 | 239 | 238 | 236 | 241 | 248 | 251 | 252 | 250 | 259 | 261 | 265 | 270 | 290 |
| 597 | 4 | F | 205 | 204 | 207 | 206 | 210 | 211 | 212 | 215 | 216 | 205 | 218 | 221 | 214 | 218 | 224 | 226 | 227 | 227 | 227 | 231 |
| 598 | 4 | F | 191 | 193 | 198 | 200 | 204 | 206 | 208 | 207 | 213 | 212 | 215 | 217 | 221 | 226 | 224 | 233 | 238 | 241 | 242 | 252 |
| 599 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 600 | 4 | F | 207 | 210 | 211 | 216 | 224 | 216 | 220 | 221 | 230 | 222 | 226 | 229 | 235 | 239 | 264 | 258 | 263 | 271 | 277 | 282 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 601 | 5 | M | 381 | 391 | 399 | 408 | 406 | 416 | 419 | 428 | 408 | 438 | 413 | 423 | 435 | 429 | 436 | 439 | 439 | 449 | 440 | 446 |
| 602 | 5 | M | 345 | 361 | 361 | 366 | 366 | 370 | 381 | 379 | 365 | 388 | 366 | 377 | 388 | 395 | 391 | 395 | 396 | 401 | 393 | 396 |
| 603 | 5 | M | 334 | 341 | 351 | 352 | 347 | 363 | 367 | 364 | 350 | 373 | 355 | 369 | 378 | --- | --- | --- | --- | --- | --- | --- |
| 604 | 5 | M | 323 | 329 | 329 | 337 | 332 | 346 | 347 | 349 | 354 | 351 | 342 | 340 | 357 | 349 | 356 | 360 | 363 | 369 | 366 | 366 |
| 605 | 5 | M | 342 | 351 | 358 | 363 | 361 | 373 | 375 | 375 | 382 | 384 | 344 | 359 | 380 | --- | --- | --- | --- | --- | --- | --- |
| 606 | 5 | M | 394 | 400 | 410 | 414 | 413 | 422 | 430 | 425 | 433 | 442 | 396 | 416 | 439 | 440 | --- | --- | --- | --- | --- | --- |
| 607 | 5 | M | 355 | 361 | 375 | 374 | 376 | 390 | 383 | 391 | 401 | 402 | 382 | 394 | 401 | --- | --- | --- | --- | --- | --- | --- |
| 608 | 5 | M | 370 | 385 | 391 | 391 | 390 | 398 | 401 | 408 | 414 | 406 | 364 | 392 | 407 | 408 | 415 | 417 | 407 | 415 | 416 | 418 |
| 609 | 5 | M | 374 | 380 | 385 | 396 | 382 | 399 | 399 | 399 | 406 | 410 | 384 | 377 | 400 | 402 | 407 | 406 | 398 | 411 | 407 | 408 |
| 610 | 5 | M | 322 | 325 | 337 | 339 | 333 | 340 | 345 | 346 | 346 | 351 | 319 | 343 | 355 | 359 | 362 | 360 | 354 | 363 | 359 | 355 |
| 611 | 5 | M | 369 | 386 | 394 | 409 | 400 | 408 | 409 | 409 | 414 | 415 | 368 | 409 | 424 | 419 | 428 | 427 | 432 | 433 | 427 | 424 |
| 612 | 5 | M | 370 | 383 | 389 | 394 | 393 | 404 | 406 | 410 | 413 | 421 | 370 | 398 | 418 | 416 | 415 | 420 | 420 | 420 | 407 | 408 |
| 613 | 5 | M | 327 | 331 | 338 | 350 | 350 | 354 | 356 | 364 | 372 | 369 | 353 | 371 | 376 | 376 | 388 | 383 | 387 | 392 | 395 | 396 |
| 614 | 5 | M | 332 | 344 | 338 | 349 | 352 | 362 | 361 | 360 | 363 | 375 | 360 | 375 | 383 | --- | --- | --- | --- | --- | --- | --- |
| 615 | 5 | M | 343 | 346 | 341 | 350 | 353 | 366 | 373 | 373 | 381 | 384 | 341 | 378 | 387 | 384 | 384 | 385 | 388 | 397 | 394 | 398 |
| 616 | 5 | M | 383 | 392 | 395 | 400 | 392 | 401 | 407 | 406 | 409 | 407 | 367 | 383 | 407 | 411 | 411 | 407 | 401 | 412 | 407 | 401 |
| 617 | 5 | M | 365 | 370 | 379 | 380 | 372 | 389 | 388 | 390 | 385 | 383 | 345 | 379 | 389 | 396 | 396 | 390 | 392 | 393 | 387 | 394 |
| 618 | 5 | M | 348 | 360 | 362 | 364 | 368 | 379 | 377 | 379 | 381 | 382 | 365 | 379 | 389 | 389 | 389 | 399 | 399 | 397 | 387 | 387 |
| 619 | 5 | M | 380 | 382 | 395 | 394 | 400 | 404 | 411 | 414 | 415 | 413 | 393 | 403 | 404 | 412 | --- | --- | --- | --- | --- | --- |
| 620 | 5 | M | 370 | 375 | 380 | 383 | 387 | 391 | 391 | 401 | 401 | 400 | 388 | 404 | 409 | 407 | 410 | 413 | 412 | 416 | 408 | 406 |
| 621 | 5 | M | 339 | 345 | 353 | 355 | 359 | 363 | 364 | 366 | 374 | 366 | 334 | 354 | 370 | 374 | 374 | 374 | 379 | 383 | 379 | 384 |
| 622 | 5 | M | 321 | 328 | 336 | 340 | 339 | 348 | 352 | 353 | 360 | 359 | 351 | 366 | 375 | 369 | 373 | 379 | 373 | 381 | 377 | 375 |
| 623 | 5 | M | 371 | 370 | 382 | 392 | 386 | 396 | 396 | 406 | 412 | 414 | 377 | 400 | 403 | 406 | 414 | 413 | 414 | 413 | 411 | 414 |
| 624 | 5 | M | 348 | 355 | 361 | 373 | 366 | 371 | 378 | 376 | 378 | 380 | 362 | 375 | 385 | 382 | 390 | 391 | 390 | 392 | 389 | 394 |
| 625 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 626 | 5 | M | 352 | 358 | 369 | 365 | 367 | 379 | 382 | 375 | 386 | 389 | 377 | 383 | 390 | 394 | 394 | 393 | 400 | 403 | 392 | 394 |
| 627 | 5 | M | 341 | 352 | 358 | 364 | 369 | 374 | 377 | 374 | 380 | 387 | 345 | 371 | 387 | 388 | 390 | 399 | 402 | 396 | 397 | 401 |
| 628 | 5 | M | 327 | 314 | 325 | 317 | 318 | 323 | 318 | 320 | 310 | 318 | 297 | 321 | 328 | 326 | 332 | 334 | 330 | 325 | 329 | 311 |
| 629 | 5 | M | 357 | 370 | 375 | 378 | 379 | 386 | 392 | 391 | 402 | 402 | 358 | 383 | 401 | 410 | 400 | 409 | 412 | 411 | 407 | 405 |
| 630 | 5 | M | 357 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 631 | 5 | M | 357 | 366 | 365 | 370 | 374 | 377 | 383 | 380 | 397 | 392 | 362 | 380 | 403 | 403 | 404 | 404 | 406 | 407 | 391 | 390 |
| 632 | 5 | M | 326 | 334 | 342 | 350 | 344 | 352 | 354 | 359 | 359 | 365 | 326 | 365 | 370 | 369 | 371 | 378 | 381 | 390 | 379 | 382 |
| 633 | 5 | M | 362 | 372 | 382 | 387 | 384 | 392 | 389 | 389 | 396 | 403 | 392 | 404 | 401 | 376 | 364 | 341 | 314 | 312 | 290 | 223 |
| 634 | 5 | M | 332 | 331 | 336 | 345 | 341 | 351 | 352 | 347 | 355 | 363 | 331 | 347 | 356 | --- | --- | --- | --- | --- | --- | --- |
| 635 | 5 | M | 318 | 325 | 323 | 330 | 328 | 338 | 342 | 344 | 348 | 359 | 345 | 356 | 353 | 362 | 364 | 364 | 366 | 373 | 365 | 368 |
| 636 | 5 | M | 308 | 313 | 312 | 319 | 321 | 328 | 328 | 334 | 335 | 341 | 340 | 345 | 346 | 349 | 351 | 345 | 344 | 347 | 351 | 349 |
| 637 | 5 | M | 352 | 359 | 366 | 372 | 373 | 377 | 378 | 378 | 382 | 378 | 350 | 379 | 386 | 388 | 386 | 388 | 386 | 389 | 383 | 386 |
| 638 | 5 | M | 359 | 361 | 371 | 372 | 375 | 377 | 381 | 382 | 395 | 361 | 354 | 367 | 385 | 382 | 385 | 388 | 384 | 387 | 381 | 376 |
| 639 | 5 | M | 354 | 357 | 368 | 376 | 381 | 386 | 388 | 386 | 383 | 375 | 373 | 389 | 392 | 390 | 395 | 399 | 394 | 402 | 394 | 393 |
| 640 | 5 | M | 327 | 338 | 346 | 352 | 355 | 364 | 366 | 358 | 373 | 347 | 360 | 375 | 383 | 376 | 380 | 381 | 387 | 386 | 386 | 383 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 642 | 5 | M | 362 | 374 | 385 | 391 | 399 | 405 | 407 | 407 | 416 | 412 | 414 | 426 | 424 | 428 | 417 | 430 | 427 | 423 | 419 | 412 |
| 643 | 5 | M | 361 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 644 | 5 | M | 337 | 340 | 353 | 358 | 361 | 367 | 369 | 368 | 384 | 364 | 360 | 375 | 385 | 376 | 382 | 387 | 386 | 392 | 392 | 391 |
| 645 | 5 | M | 348 | 352 | 352 | 352 | 366 | 370 | 376 | 373 | 372 | 363 | 378 | 388 | 389 | 387 | 385 | 390 | 390 | 394 | 390 | 391 |
| 646 | 5 | M | 344 | 350 | 349 | 357 | 364 | 369 | 369 | 364 | 372 | 335 | 347 | 370 | 377 | 373 | 373 | 384 | 376 | 380 | 376 | 376 |
| 647 | 5 | M | 326 | 331 | 335 | 337 | 341 | 348 | 349 | 348 | 353 | 344 | 352 | 358 | 361 | 358 | 363 | 366 | 366 | 365 | 368 | 368 |
| 648 | 5 | M | 386 | 387 | 390 | 400 | 404 | 400 | 406 | 412 | 417 | 376 | 399 | 416 | 424 | 421 | 421 | 421 | 420 | 424 | 422 | 426 |
| 649 | 5 | M | 372 | 383 | 372 | 392 | 395 | 400 | 405 | 401 | 406 | 394 | 387 | 405 | 412 | 412 | 408 | 415 | 420 | 418 | 413 | 405 |
| 650 | 5 | M | 312 | 321 | 319 | 338 | 348 | 345 | 346 | 346 | 351 | 344 | 337 | 345 | 349 | 346 | 335 | 354 | 355 | 353 | 351 | 355 |
| 651 | 5 | M | 363 | 371 | 362 | 378 | 386 | 386 | 391 | 392 | 392 | 365 | 379 | 393 | 403 | 401 | 390 | 407 | 403 | 403 | 410 | 405 |
| 652 | 5 | M | 336 | 344 | 350 | 356 | 354 | 359 | 359 | 360 | 367 | 354 | 354 | 372 | 372 | 370 | 379 | 381 | 377 | 385 | 383 | 382 |
| 653 | 5 | M | 348 | 356 | 356 | 364 | 371 | 371 | 372 | 376 | 382 | 356 | 338 | 371 | 378 | 385 | 384 | 395 | 394 | 395 | 396 | 395 |
| 654 | 5 | M | 350 | 353 | 355 | 360 | 364 | 365 | 372 | 375 | 378 | 361 | 349 | 376 | 379 | 375 | 378 | 384 | 381 | 389 | 377 | 381 |
| 655 | 5 | M | 360 | 363 | 374 | 379 | 386 | 389 | 391 | 388 | 393 | 380 | 371 | 393 | 398 | 402 | 397 | 408 | 409 | 414 | 409 | 409 |
| 656 | 5 | M | 272 | 274 | 280 | 287 | 286 | 294 | 293 | 293 | 296 | 289 | 288 | 304 | 308 | 302 | 309 | 312 | 312 | 313 | 318 | 321 |
| 657 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 658 | 5 | M | 359 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 659 | 5 | M | 352 | 351 | 364 | 373 | 373 | 375 | 383 | 382 | 390 | 346 | 379 | 394 | 396 | 394 | 392 | 399 | 399 | 400 | 394 | 397 |
| 660 | 5 | M | 332 | 343 | 351 | 353 | 358 | 360 | 355 | 353 | 363 | 323 | 341 | 359 | 370 | --- | --- | --- | --- | --- | --- | --- |
| 661 | 5 | M | 339 | 348 | 353 | 354 | 364 | 365 | 363 | 364 | 373 | 356 | 371 | 377 | 378 | 376 | 383 | 384 | 384 | 393 | 389 | 377 |
| 662 | 5 | M | 365 | 376 | 379 | 382 | 392 | 396 | 397 | 399 | 408 | 393 | 399 | 408 | 420 | 416 | 420 | 415 | 419 | 423 | 419 | 421 |
| 663 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 664 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 665 | 5 | M | 326 | 335 | 339 | 348 | 354 | 365 | 358 | 360 | 368 | 344 | 324 | 353 | 365 | 363 | 362 | 363 | 370 | 370 | 372 | 373 |
| 666 | 5 | M | 338 | 343 | 348 | 361 | 365 | 366 | 369 | 370 | 369 | 354 | 373 | 379 | 383 | --- | --- | --- | --- | --- | --- | --- |
| 667 | 5 | M | 362 | 372 | 382 | 389 | 394 | 400 | 403 | 398 | 406 | 368 | 391 | 406 | 410 | 401 | 411 | 418 | 418 | 423 | 424 | 422 |
| 668 | 5 | M | 342 | 354 | 363 | 362 | 367 | 372 | 372 | 373 | 380 | 356 | 367 | 382 | 385 | 383 | --- | --- | --- | --- | --- | --- |
| 669 | 5 | M | 331 | 338 | 340 | 350 | 352 | 353 | 355 | 352 | 366 | 337 | 348 | 369 | 374 | 366 | 370 | 373 | 379 | 377 | 379 | 374 |
| 670 | 5 | M | 356 | 351 | 373 | 378 | 378 | 385 | 385 | 383 | 382 | 365 | 379 | 381 | 389 | 388 | 394 | 401 | 397 | 398 | 397 | 398 |
| 671 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 672 | 5 | M | 321 | 317 | 335 | 338 | 343 | 350 | 353 | 351 | 361 | 339 | 346 | 354 | 350 | 357 | 363 | 361 | 361 | 363 | 367 | 361 |
| 673 | 5 | M | 349 | 332 | 347 | 360 | 362 | 369 | 369 | 374 | 376 | 329 | 361 | 380 | 380 | 378 | 383 | 386 | 385 | 388 | 389 | 387 |
| 674 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 675 | 5 | M | 405 | 412 | 414 | 417 | 427 | 432 | 431 | 430 | 436 | 387 | 408 | 437 | 440 | 436 | 437 | 439 | 437 | 444 | 440 | 434 |
| 676 | 5 | F | 192 | 195 | 197 | 198 | 200 | 205 | 206 | 205 | 208 | 211 | 206 | 213 | 211 | 215 | 213 | 218 | 214 | 222 | 223 | 230 |
| 677 | 5 | F | 183 | 190 | 193 | 188 | 188 | 193 | 199 | 197 | 197 | 201 | 193 | 210 | 207 | 203 | 205 | 204 | 207 | 208 | 213 | 206 |
| 678 | 5 | F | 180 | 181 | 183 | 182 | 185 | 188 | 190 | 194 | 196 | 215 | 201 | 206 | 196 | 205 | 210 | 213 | 214 | 219 | 220 | 217 |
| 679 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 680 | 5 | F | 194 | 198 | 202 | 203 | 198 | 206 | 209 | 212 | 212 | 216 | 197 | 212 | 214 | 218 | 218 | 217 | 216 | 222 | 223 | 223 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 681 | 5 | F | 185 | 185 | 191 | 195 | 191 | 196 | 207 | 207 | 207 | 206 | 198 | 207 | 210 | 209 | 206 | 213 | 213 | 218 | 217 | 220 |
| 682 | 5 | F | 182 | 183 | 185 | 185 | 186 | 194 | 192 | 192 | 185 | 198 | 194 | 202 | 205 | 202 | 198 | 201 | 204 | 206 | 206 | 202 |
| 683 | 5 | F | 166 | 175 | 172 | 172 | 173 | 179 | 178 | 181 | 177 | 180 | 174 | 184 | 184 | 182 | 186 | 187 | 190 | 192 | 195 | 194 |
| 684 | 5 | F | 178 | 181 | 192 | 180 | 181 | 186 | 185 | 187 | 182 | 188 | 179 | 188 | 189 | 191 | 191 | 193 | 195 | 199 | 202 | 200 |
| 685 | 5 | F | 189 | 192 | 199 | 201 | 202 | 202 | 205 | 201 | 207 | 211 | 183 | 214 | 214 | 215 | 212 | 211 | 219 | 219 | 219 | 221 |
| 686 | 5 | F | 184 | 192 | 193 | 194 | 196 | 196 | 201 | 200 | 205 | 201 | 187 | 202 | 204 | 206 | 205 | 211 | 208 | 212 | 212 | 216 |
| 687 | 5 | F | 194 | 197 | 199 | 201 | 203 | 209 | 211 | 212 | 215 | 214 | 210 | 216 | 214 | --- | --- | --- | --- | --- | --- | --- |
| 688 | 5 | F | 180 | 182 | 185 | 185 | 183 | 179 | 193 | 193 | 195 | 195 | 186 | 201 | 200 | 199 | 198 | 197 | 201 | 209 | 212 | 216 |
| 689 | 5 | F | 173 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 690 | 5 | F | 198 | 201 | 203 | 204 | 207 | 194 | 208 | 212 | 218 | 212 | 209 | 228 | 225 | --- | --- | --- | --- | --- | --- | --- |
| 691 | 5 | F | 194 | 195 | 198 | 198 | 196 | 202 | 203 | 199 | 206 | 206 | 211 | 210 | 205 | 206 | 208 | 212 | 215 | 218 | 216 | 215 |
| 692 | 5 | F | 215 | 221 | 221 | 219 | 223 | 229 | 229 | 229 | 237 | 235 | 236 | 240 | 245 | 238 | 238 | 243 | 246 | 248 | 245 | 246 |
| 693 | 5 | F | 190 | 190 | 194 | 197 | 200 | 204 | 203 | 202 | 209 | 204 | 211 | 213 | 216 | 226 | 227 | 235 | 243 | 250 | 249 | 252 |
| 694 | 5 | F | 189 | 194 | 199 | 199 | 199 | 202 | 208 | 205 | 211 | 207 | 199 | 216 | 211 | 209 | 213 | 215 | 218 | 228 | 225 | 220 |
| 695 | 5 | F | 186 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 696 | 5 | F | 172 | 188 | 191 | 195 | 192 | 195 | 195 | 201 | 202 | 202 | 189 | 207 | 206 | 201 | 204 | 206 | 206 | 208 | 212 | 200 |
| 697 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 698 | 5 | F | 194 | 194 | 199 | 198 | 200 | 205 | 208 | 209 | 211 | 206 | 196 | 216 | 214 | 214 | 215 | 226 | 221 | 226 | 233 | 239 |
| 699 | 5 | F | 198 | 201 | 204 | 204 | 204 | 210 | 210 | 212 | 213 | 214 | 210 | 226 | 222 | 216 | 222 | 224 | 224 | 228 | 229 | 234 |
| 700 | 5 | F | 192 | 197 | 201 | 203 | 201 | 202 | 203 | 205 | 209 | 212 | 193 | 212 | 215 | 214 | 216 | 220 | 220 | 224 | 226 | 225 |
| 701 | 5 | F | 187 | 191 | 189 | 191 | 196 | 197 | 198 | 194 | 201 | 199 | 193 | 212 | 205 | 203 | 206 | 213 | 212 | 210 | 214 | 227 |
| 702 | 5 | F | 182 | 184 | 184 | 186 | 191 | 195 | 193 | 192 | 195 | 200 | 177 | 206 | 206 | 203 | 207 | 208 | 207 | 209 | 212 | 215 |
| 703 | 5 | F | 183 | 193 | 193 | 194 | 197 | 199 | 203 | 202 | 204 | 205 | 191 | 216 | 213 | 213 | 216 | 212 | 220 | 218 | 226 | 222 |
| 704 | 5 | F | 169 | 171 | 170 | 172 | 174 | 179 | 178 | 179 | 184 | 184 | 182 | 183 | 187 | 185 | 187 | 190 | 189 | 193 | 192 | 192 |
| 705 | 5 | F | 180 | 181 | 182 | 181 | 183 | 188 | 187 | 189 | 194 | 196 | 191 | 194 | 200 | 200 | 198 | 202 | 202 | 207 | 208 | 208 |
| 706 | 5 | F | 154 | 158 | 156 | 159 | 160 | 162 | 163 | 164 | 166 | 166 | 168 | 172 | 170 | 171 | 175 | 175 | 180 | 189 | 180 | 188 |
| 707 | 5 | F | 179 | 188 | 186 | 185 | 191 | 191 | 198 | 197 | 198 | 194 | 201 | 202 | 202 | 198 | 201 | 199 | 203 | 203 | 203 | 201 |
| 708 | 5 | F | 189 | 188 | 191 | 193 | 197 | 197 | 193 | 198 | 203 | 196 | 203 | 204 | 207 | 205 | 206 | 212 | 213 | 213 | 216 | 218 |
| 709 | 5 | F | 179 | 184 | 187 | 189 | 193 | 196 | 195 | 194 | 195 | 185 | 196 | 201 | 199 | 210 | 206 | 205 | 208 | 212 | 211 | 214 |
| 710 | 5 | F | 187 | 185 | 194 | 195 | 197 | 199 | 196 | 200 | 202 | 192 | 196 | 202 | 207 | 212 | 208 | 208 | 212 | 213 | 210 | 217 |
| 711 | 5 | F | 190 | 195 | 199 | 197 | 201 | 197 | 205 | 204 | 212 | 204 | 219 | 212 | 214 | 213 | 219 | 225 | 226 | 236 | 231 | 231 |
| 712 | 5 | F | 174 | 175 | 171 | 174 | 178 | 183 | 183 | 183 | 185 | 183 | 189 | 190 | 190 | 191 | 194 | 194 | 193 | 199 | 194 | 202 |
| 713 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 714 | 5 | F | 185 | 184 | 193 | 192 | 195 | 197 | 199 | 201 | 205 | 199 | 204 | 204 | 207 | 206 | 206 | 211 | 212 | 214 | 212 | 213 |
| 715 | 5 | F | 185 | 172 | 184 | 189 | 196 | 201 | 200 | 197 | 204 | 193 | 201 | 202 | 205 | 207 | 206 | 211 | 218 | 222 | 225 | 231 |
| 716 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 717 | 5 | F | 193 | 182 | 195 | 202 | 202 | 208 | 207 | 208 | 208 | 204 | 216 | 213 | 216 | 219 | --- | --- | --- | --- | --- | --- |
| 718 | 5 | F | 180 | 182 | 185 | 184 | 189 | 192 | 193 | 190 | 196 | 188 | 195 | 202 | 198 | 200 | --- | --- | --- | --- | --- | --- |
| 719 | 5 | F | 187 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 720 | 5 | F | 187 | 182 | 187 | 191 | 192 | 195 | 196 | 196 | 196 | 193 | 193 | 187 | 191 | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TRT GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 721 | 5 | F | 199 | 205 | 208 | 209 | 214 | 219 | 218 | 218 | 220 | 219 | 223 | 209 | 226 | 227 | 230 | 228 | 232 | 239 | 234 | 240 |
| 722 | 5 | F | 200 | 204 | 209 | 207 | 216 | 217 | 220 | 220 | 222 | 208 | 226 | 209 | 226 | 227 | 236 | 240 | 24 | 248 | 248 | 254 |
| 723 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 724 | 5 | F | 189 | 189 | 190 | 196 | 198 | 197 | 198 | 201 | 209 | 192 | 200 | 205 | 204 | 207 | 211 | 213 | 216 | 227 | 222 | 224 |
| 725 | 5 | F | 184 | 187 | 190 | 187 | 192 | 188 | 191 | 189 | 193 | 192 | 199 | 199 | 200 | --- | --- | --- | --- | --- | --- | --- |
| 726 | 5 | F | 179 | 182 | 186 | 187 | 191 | 194 | 197 | 195 | 203 | 192 | 204 | 204 | 201 | 207 | 203 | 212 | 211 | 218 | 216 | 217 |
| 727 | 5 | F | 184 | 185 | 186 | 189 | 196 | 191 | 196 | 194 | 193 | 193 | 198 | 204 | 199 | --- | --- | --- | --- | --- | --- | --- |
| 728 | 5 | F | 195 | 193 | 201 | 198 | 207 | 200 | 203 | 202 | 205 | 186 | 204 | 205 | 205 | 212 | 211 | 215 | 218 | 221 | 221 | 225 |
| 729 | 5 | F | 190 | 184 | 195 | 196 | 199 | 201 | 203 | 202 | 204 | 199 | 200 | 208 | 210 | 210 | 212 | 219 | 215 | 217 | 219 | 220 |
| 730 | 5 | F | 175 | 178 | 179 | 180 | 181 | 185 | 188 | 187 | 190 | 175 | 188 | 191 | 193 | --- | --- | --- | --- | --- | --- | --- |
| 731 | 5 | F | 182 | 177 | 186 | 186 | 186 | 190 | 187 | 187 | 196 | 190 | 197 | 193 | 195 | 194 | 202 | 203 | 198 | 207 | 212 | 208 |
| 732 | 5 | F | 186 | 184 | 188 | 188 | 192 | 190 | 189 | 191 | 192 | 182 | 189 | 197 | 194 | 196 | 198 | 198 | 203 | 213 | 206 | 207 |
| 733 | 5 | F | 205 | 212 | 218 | 200 | 216 | 216 | 215 | 212 | 224 | 201 | 218 | 225 | 220 | 219 | 221 | 223 | 226 | 230 | 225 | 232 |
| 734 | 5 | F | 205 | 206 | 209 | 203 | 216 | 214 | 216 | 210 | 216 | 206 | 215 | 217 | 222 | 222 | 221 | 222 | 224 | 235 | 231 | 241 |
| 735 | 5 | F | 191 | 197 | 194 | 191 | 204 | 200 | 200 | 199 | 204 | 179 | 203 | 206 | 201 | 208 | --- | --- | --- | --- | --- | --- |
| 736 | 5 | F | 189 | 192 | 200 | 200 | 203 | 209 | 203 | 207 | 207 | 186 | 203 | 206 | 204 | 205 | 212 | 208 | 212 | 213 | 214 | 214 |
| 737 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 738 | 5 | F | 190 | 187 | 191 | 196 | 200 | 200 | 197 | 204 | 202 | 198 | 205 | 210 | 203 | 210 | 216 | 221 | 221 | 228 | 227 | 234 |
| 739 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 740 | 5 | F | 184 | 188 | 190 | 190 | 195 | 193 | 200 | 199 | 205 | 193 | 210 | 212 | 206 | 210 | 207 | 211 | 215 | 219 | 213 | 215 |
| 741 | 5 | F | 200 | 195 | 203 | 208 | 213 | 209 | 213 | 212 | 214 | 199 | 216 | 221 | 220 | 221 | 224 | 229 | 236 | 240 | 239 | 241 |
| 742 | 5 | F | 177 | 202 | 202 | 195 | 194 | 199 | 208 | 206 | 206 | 183 | 203 | 206 | 204 | 210 | 211 | 215 | 219 | 224 | 217 | 219 |
| 743 | 5 | F | 174 | 187 | 186 | 186 | 187 | 190 | 194 | 194 | 194 | 186 | 195 | 198 | 198 | 203 | 202 | 205 | 202 | 207 | 207 | 219 |
| 744 | 5 | F | 182 | 195 | 197 | 197 | 198 | 198 | 202 | 196 | 202 | 204 | 206 | 207 | 203 | 205 | 206 | 210 | 212 | 214 | 210 | 212 |
| 745 | 5 | F | 191 | 195 | 195 | 199 | 199 | 199 | 201 | 202 | 195 | 201 | 205 | 207 | 201 | 206 | 210 | 210 | 213 | 218 | 216 | 216 |
| 746 | 5 | F | 186 | 192 | 197 | 197 | 200 | 197 | 201 | 200 | 202 | 185 | 201 | 205 | 206 | 204 | 208 | 209 | 217 | 222 | 215 | 224 |
| 747 | 5 | F | 189 | 188 | 187 | 189 | 195 | 192 | 198 | 199 | 193 | 187 | 211 | 208 | 199 | --- | --- | --- | --- | --- | --- | --- |
| 748 | 5 | F | 191 | 187 | 194 | 196 | 200 | 200 | 200 | 201 | 207 | 205 | 211 | 211 | 211 | 209 | 221 | 218 | 222 | 229 | 226 | 229 |
| 749 | 5 | F | 202 | 204 | 203 | 207 | 211 | 211 | 215 | 215 | 220 | 203 | 225 | 228 | 223 | 230 | 233 | 236 | 234 | 238 | 233 | 240 |
| 750 | 5 | F | 179 | 174 | 178 | 183 | 185 | 180 | 184 | 182 | 190 | 182 | 190 | 186 | 184 | 184 | 192 | 193 | 194 | 196 | 195 | 198 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 1 | M | 478 | 489 | 482 | 480 | 478 | 485 | 476 | 471 | 481 | 470 | 481 | 467 | 475 | 462 | 477 | 471 | 470 | 458 | 452 | --- |
| 3 | 1 | M | 454 | 455 | 447 | 447 | 445 | 440 | 445 | 438 | 444 | 438 | 438 | 433 | 432 | 434 | 428 | 433 | 429 | 433 | 430 | 420 |
| 4 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 1 | M | 445 | 446 | 447 | 447 | 452 | 444 | 442 | 430 | 426 | 424 | 428 | 421 | 426 | 425 | 427 | 427 | 410 | 416 | 410 | 403 |
| 6 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 1 | M | 500 | 496 | 486 | 480 | 484 | 478 | 479 | 478 | 475 | 487 | 481 | 488 | 476 | 464 | 430 | --- | --- | --- | --- | --- |
| 8 | 1 | M | 520 | 520 | 523 | 512 | 518 | 503 | 503 | 510 | 507 | 507 | 516 | 510 | 522 | 513 | 512 | 506 | 487 | 448 | 356 | 288 |
| 9 | 1 | M | 505 | 505 | 507 | 506 | 503 | 487 | 462 | 443 | 406 | 381 | 370 | 342 | 330 | 325 | 319 | 318 | 319 | 285 | 282 | 272 |
| 10 | 1 | M | 453 | 452 | 453 | 459 | 461 | 457 | 456 | 454 | 462 | 457 | 458 | 460 | 458 | 459 | 462 | 458 | 450 | 452 | 450 | 447 |
| 11 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 1 | M | 491 | 495 | 487 | 488 | 484 | 481 | 476 | 479 | 482 | 487 | 481 | 480 | 482 | 469 | 454 | --- | --- | --- | --- | --- |
| 15 | 1 | M | 481 | 486 | 480 | 480 | 480 | 469 | 467 | 473 | 469 | 470 | 466 | 465 | 464 | 459 | 447 | 424 | 390 | 360 | 329 | 321 |
| 16 | 1 | M | 449 | 451 | 450 | 457 | 459 | 453 | 449 | 453 | 451 | 459 | 451 | 454 | 450 | 440 | 438 | 442 | 442 | 357 | 383 | 378 |
| 17 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 1 | M | 425 | 431 | 425 | 424 | 430 | 424 | 425 | 427 | 434 | 434 | 428 | 426 | 426 | 426 | 424 | 424 | 417 | 415 | 412 | 406 |
| 22 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 1 | M | 433 | 436 | 435 | 430 | 415 | 423 | 420 | 428 | 430 | 429 | 425 | 420 | 416 | 422 | 423 | 422 | 418 | 417 | 416 | 416 |
| 24 | 1 | M | 465 | 460 | 460 | 461 | 456 | 461 | 457 | 452 | 450 | 457 | 460 | 458 | 456 | 457 | 454 | 455 | 454 | 447 | 445 | 439 |
| 25 | 1 | M | 427 | 429 | 430 | 431 | 427 | 431 | 431 | 430 | 425 | 418 | 415 | 409 | 401 | 391 | 389 | 389 | 390 | 393 | 381 | 381 |
| 26 | 1 | M | 499 | 495 | 501 | 502 | 502 | 508 | 502 | 497 | 497 | 480 | 468 | 467 | 473 | 462 | 462 | 357 | 458 | 460 | 451 | 448 |
| 27 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 1 | M | 466 | 466 | 467 | 454 | 456 | 454 | 445 | 444 | 442 | 436 | 407 | 387 | 366 | --- | --- | --- | --- | --- | --- | --- |
| 29 | 1 | M | 460 | 459 | 454 | 450 | 450 | 443 | 442 | 440 | 452 | 451 | 451 | 450 | 458 | 455 | 455 | 452 | 431 | 321 | --- | --- |
| 30 | 1 | M | 479 | 473 | 468 | 468 | 473 | 460 | 456 | 464 | 466 | 461 | 463 | 472 | 472 | 460 | 460 | 452 | 443 | 421 | 412 | 404 |
| 31 | 1 | M | 413 | 421 | 413 | 412 | 413 | 408 | 409 | 411 | 412 | 418 | 415 | 420 | 420 | 418 | --- | --- | --- | --- | --- | --- |
| 32 | 1 | M | 531 | 535 | 533 | 524 | 525 | 523 | 511 | 465 | 344 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 33 | 1 | M | 461 | 472 | 455 | 454 | 454 | 453 | 443 | 443 | 442 | 447 | 444 | 441 | 435 | 436 | 437 | 426 | 415 | 414 | 413 | --- |
| 34 | 1 | M | 477 | 478 | 464 | 461 | 454 | 442 | 436 | 425 | 419 | 411 | 397 | 383 | 353 | 263 | --- | --- | --- | --- | --- | --- |
| 35 | 1 | M | 474 | 478 | 470 | 470 | 470 | 464 | 463 | 455 | 455 | 460 | 450 | 449 | 450 | 446 | 446 | 445 | 438 | 418 | 410 | 411 |
| 36 | 1 | M | 478 | 468 | 466 | 461 | 461 | 461 | 454 | 454 | 451 | 456 | 455 | 462 | 458 | 455 | 456 | 460 | 455 | 451 | 446 | 448 |
| 37 | 1 | M | 504 | 516 | 512 | 508 | 511 | 513 | 508 | 503 | 505 | 507 | 494 | 498 | 489 | 490 | 488 | 489 | 480 | 466 | 462 | 460 |
| 38 | 1 | M | 477 | 487 | 487 | 484 | 482 | 473 | 479 | 470 | 466 | 474 | 459 | 413 | 310 | --- | --- | --- | --- | --- | --- | --- |
| 39 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40 | 1 | M | 454 | 460 | 462 | 462 | 457 | 452 | 442 | 442 | 448 | 446 | 442 | 439 | 440 | 437 | 436 | 440 | 433 | 438 | 433 | 426 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 374 | 389 | 391 | 389 | 398 | 398 | 376 | 392 | 394 | 400 | 398 | 381 | 383 | 392 | 383 | 385 | 382 | 378 | 379 | 368 |
| 42 | 1 | M | 490 | 490 | 484 | 492 | 480 | 488 | 475 | 482 | 471 | 471 | 471 | 469 | 471 | 472 | 468 | 463 | 459 | 457 | 458 | 441 |
| 43 | 1 | M | 458 | 466 | 464 | 464 | 464 | 458 | 449 | 451 | 450 | 453 | 444 | 441 | 440 | 436 | 437 | 423 | 418 | 395 | 350 | --- |
| 44 | 1 | M | 445 | 452 | 449 | 448 | 450 | 437 | 438 | 439 | 421 | 434 | 434 | 438 | 436 | 442 | 429 | 429 | 425 | 422 | 416 | 410 |
| 45 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 46 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48 | 1 | M | 494 | 499 | 500 | 505 | 497 | 494 | 498 | 491 | 485 | 498 | 488 | 490 | 486 | 483 | 479 | 471 | 466 | 442 | 392 | 352 |
| 49 | 1 | M | 495 | 505 | 496 | 501 | 496 | 491 | 488 | 480 | 479 | 476 | 476 | 463 | 466 | 458 | 448 | 456 | 446 | 439 | 437 | 433 |
| 50 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 51 | 1 | M | 484 | 491 | 488 | 492 | 487 | 490 | 490 | 480 | 480 | 488 | 487 | 487 | 490 | 488 | 486 | 474 | 444 | 451 | 441 | 441 |
| 52 | 1 | M | 432 | 432 | 432 | 432 | 428 | 430 | 424 | 434 | 438 | 438 | 443 | 444 | 447 | 445 | 452 | 448 | 435 | 421 | 401 | 391 |
| 53 | 1 | M | 480 | 484 | 474 | 481 | 472 | 474 | 461 | 462 | 461 | 466 | 462 | 458 | 457 | 461 | 445 | 412 | 389 | 338 | --- | --- |
| 54 | 1 | M | 476 | 480 | 474 | 475 | 476 | 469 | 478 | 465 | 418 | 339 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55 | 1 | M | 448 | 436 | 441 | 445 | 445 | 444 | 433 | 440 | 438 | 44 | 441 | 434 | 446 | 446 | 451 | 439 | 440 | 440 | 435 | 442 |
| 56 | 1 | M | 459 | 446 | 454 | 436 | 438 | 432 | 435 | 427 | 425 | 428 | 418 | 414 | 416 | 414 | 412 | 413 | 408 | 418 | 394 | 402 |
| 57 | 1 | M | 467 | 459 | 468 | 467 | 468 | 465 | 456 | 453 | 460 | 465 | 399 | 433 | 381 | 406 | 440 | 446 | 447 | --- | --- | --- |
| 58 | 1 | M | 467 | 462 | 466 | 467 | 448 | 446 | 445 | 441 | 439 | 436 | 438 | 436 | 439 | 434 | 403 | 307 | --- | --- | --- | --- |
| 59 | 1 | M | 465 | 467 | 449 | 451 | 445 | 438 | 405 | 354 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 61 | 1 | M | 434 | 439 | 440 | 442 | 444 | 444 | 438 | 432 | 440 | 434 | 424 | 415 | 437 | 432 | 429 | 426 | 418 | 406 | 415 | 413 |
| 62 | 1 | M | 420 | 424 | 419 | 423 | 427 | 420 | 418 | 424 | 415 | 415 | 416 | 416 | 418 | 420 | 415 | 400 | 405 | 395 | 399 | 391 |
| 63 | 1 | M | 493 | 499 | 494 | 499 | 504 | 504 | 482 | 462 | 478 | 483 | 483 | 476 | 473 | 409 | --- | --- | --- | --- | --- | --- |
| 64 | 1 | M | 433 | 437 | 419 | 427 | 431 | 409 | 418 | 417 | 423 | 414 | 385 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65 | 1 | M | 496 | 503 | 493 | 485 | 489 | 486 | 472 | 468 | 464 | 467 | 460 | 454 | 451 | 453 | 437 | 436 | 431 | 420 | 409 | 408 |
| 66 | 1 | M | 405 | 403 | 399 | 411 | 409 | 411 | 412 | 412 | 417 | 416 | 422 | 424 | 420 | 414 | 419 | 418 | 416 | 422 | 420 | 411 |
| 67 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 68 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 69 | 1 | M | 494 | 498 | 498 | 502 | 504 | 493 | 494 | 486 | 488 | 494 | 487 | 485 | 469 | 464 | 441 | 324 | --- | --- | --- | --- |
| 70 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 71 | 1 | M | 493 | 490 | 484 | 484 | 494 | 479 | 475 | 466 | 466 | 477 | 465 | 461 | 447 | 448 | 409 | 312 | --- | --- | --- | --- |
| 72 | 1 | M | 450 | 434 | 440 | 445 | 448 | 439 | 442 | 436 | 439 | 442 | 447 | 442 | 439 | 455 | 417 | 416 | 298 | --- | --- | --- |
| 73 | 1 | M | 407 | 404 | 405 | 401 | 400 | 400 | 389 | 396 | 393 | 394 | 396 | 393 | 371 | 372 | 381 | 388 | 382 | 388 | 384 | 376 |
| 74 | 1 | M | 471 | 472 | 469 | 470 | 474 | 473 | 475 | 479 | 476 | 492 | 523 | 553 | 594 | 632 | 680 | 704 | --- | --- | --- | --- |
| 75 | 1 | M | 470 | 471 | 461 | 449 | 468 | 462 | 458 | 446 | 450 | 447 | 451 | 449 | 450 | 444 | 450 | 449 | 445 | 442 | 434 | 424 |
| 76 | 1 | F | 294 | 297 | 290 | 299 | 294 | 302 | 307 | 302 | 297 | 308 | 309 | 312 | 321 | 322 | 322 | 318 | 318 | 319 | 308 | 306 |
| 77 | 1 | F | 302 | 306 | 302 | 303 | 305 | 311 | 313 | 310 | 303 | 309 | 314 | 319 | 324 | 330 | 326 | 327 | 328 | 329 | 333 | 324 |
| 78 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 79 | 1 | F | 324 | 322 | 331 | 333 | 341 | 342 | 338 | 327 | 304 | 280 | 245 | 222 | --- | --- | --- | --- | --- | --- | --- | --- |
| 80 | 1 | F | 296 | 300 | 305 | 307 | 314 | 324 | 329 | 330 | 324 | 334 | 334 | 336 | 342 | 326 | 337 | 349 | 352 | 370 | 379 | 312 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 1 | F | 282 | 276 | 280 | 283 | 285 | 295 | 297 | 292 | 290 | 300 | 307 | 307 | 310 | 319 | 320 | 326 | 328 | 329 | 339 | 342 |
| 82 | 1 | F | 283 | 290 | 294 | 294 | 296 | 294 | 299 | 298 | 302 | 300 | 307 | 307 | 312 | 314 | 305 | 310 | 312 | 315 | 319 | 315 |
| 83 | 1 | F | 286 | 285 | 292 | 297 | 301 | 305 | 299 | 302 | 314 | 319 | 323 | 324 | 333 | 332 | 335 | 339 | 339 | 344 | 346 | --- |
| 84 | 1 | F | 293 | 296 | 299 | 300 | 310 | 312 | 311 | 311 | 315 | 326 | 324 | 330 | 327 | 337 | 332 | 341 | 337 | 348 | 345 | 341 |
| 85 | 1 | F | 231 | 235 | 242 | 241 | 245 | 250 | 248 | 252 | 260 | 258 | 259 | 262 | 267 | 274 | 271 | 271 | 274 | 273 | 269 | 262 |
| 86 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 87 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 88 | 1 | F | 223 | 235 | 227 | 234 | 244 | 253 | 247 | 248 | 252 | 263 | 246 | 242 | 246 | 235 | 217 | 210 | 206 | --- | --- | --- |
| 89 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 91 | 1 | F | 280 | 278 | 278 | 288 | 291 | 297 | 304 | 302 | 302 | 313 | 315 | 327 | 331 | 340 | 334 | 335 | 332 | 328 | 333 | 333 |
| 92 | 1 | F | 272 | 276 | 281 | 287 | 284 | 288 | 295 | 298 | 300 | 311 | 314 | 314 | 314 | 325 | 320 | 319 | 322 | 327 | 332 | 324 |
| 93 | 1 | F | 241 | 246 | 258 | 259 | 258 | 274 | 263 | 273 | 280 | 285 | 283 | 289 | 292 | 295 | 299 | 294 | 294 | 289 | 286 | 274 |
| 94 | 1 | F | 306 | 312 | 314 | 316 | 315 | 319 | 321 | 320 | 325 | 327 | 333 | 334 | 344 | 334 | 337 | 349 | 339 | 345 | 345 | 337 |
| 95 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 96 | 1 | F | 283 | 291 | 294 | 295 | 296 | 293 | 287 | 296 | 309 | 311 | 314 | 317 | 326 | 333 | 329 | 332 | 316 | 316 | 326 | --- |
| 97 | 1 | F | 295 | 302 | 308 | 304 | 271 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 98 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 99 | 1 | F | 268 | 278 | 276 | 279 | 276 | 274 | 275 | 274 | 277 | 279 | 275 | 275 | 276 | 291 | 290 | 289 | 294 | 294 | 297 | 299 |
| 100 | 1 | F | 271 | 277 | 280 | 278 | 282 | 294 | 289 | 297 | 296 | 306 | 278 | 225 | 196 | --- | --- | --- | --- | --- | --- | --- |
| 101 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 102 | 1 | F | 299 | 304 | 305 | 317 | 322 | 321 | 317 | 329 | 326 | 327 | 332 | 338 | 342 | 339 | 324 | 329 | 324 | 313 | 294 | 295 |
| 103 | 1 | F | 255 | 259 | 262 | 262 | 270 | 270 | 271 | 271 | 271 | 277 | 274 | 273 | 279 | 285 | 278 | 281 | 277 | 270 | 266 | --- |
| 104 | 1 | F | 268 | 271 | 272 | 274 | 275 | 287 | 280 | 286 | 292 | 297 | 295 | 298 | 308 | 308 | 306 | 310 | 316 | 318 | 320 | 306 |
| 105 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 106 | 1 | F | 304 | 315 | 311 | 312 | 315 | 323 | 319 | 301 | 273 | 256 | 244 | 202 | 236 | 236 | --- | --- | --- | --- | --- | --- |
| 107 | 1 | F | 242 | 257 | 252 | 250 | 259 | 261 | 259 | 261 | 266 | 264 | 272 | 267 | 270 | 275 | 267 | 274 | 276 | 276 | 280 | 284 |
| 108 | 1 | F | 262 | 259 | 259 | 248 | 249 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 109 | 1 | F | 318 | 330 | 333 | 334 | 334 | 345 | 348 | 344 | 354 | 352 | 357 | 364 | 368 | 338 | 328 | 316 | --- | --- | --- | --- |
| 110 | 1 | F | 296 | 303 | 306 | 314 | 316 | 320 | 319 | 321 | 320 | 318 | 318 | 325 | 327 | 323 | 316 | 305 | 298 | 280 | 298 | --- |
| 111 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 112 | 1 | F | 271 | 266 | 274 | 266 | 274 | 270 | 276 | 272 | 278 | 278 | 275 | 285 | 279 | 285 | 286 | 286 | 291 | 292 | 292 | 288 |
| 113 | 1 | F | 261 | 256 | 262 | 261 | 270 | 275 | 281 | 285 | 290 | 288 | 297 | 305 | 307 | 314 | 316 | 315 | 314 | 316 | 318 | 313 |
| 114 | 1 | F | 305 | 295 | 307 | 299 | 311 | 311 | 317 | 319 | 318 | 328 | 329 | 325 | 320 | 329 | 317 | 309 | 308 | 306 | 305 | 294 |
| 115 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 116 | 1 | F | 234 | 234 | 240 | 245 | 250 | 260 | 255 | 253 | 264 | 264 | 253 | 257 | 256 | 264 | 265 | 273 | 272 | 274 | 272 | 269 |
| 117 | 1 | F | 266 | 269 | 272 | 284 | 288 | 297 | 297 | 298 | 301 | 302 | 310 | 312 | 318 | 320 | 324 | 328 | 328 | 326 | 339 | 326 |
| 118 | 1 | F | 286 | 291 | 285 | 292 | 302 | 299 | 306 | 307 | 302 | 309 | 305 | 318 | 316 | 318 | 313 | 301 | 281 | 231 | --- | --- |
| 119 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 120 | 1 | F | 290 | 302 | 299 | 302 | 305 | 312 | 312 | 308 | 316 | 321 | 318 | 327 | 326 | 320 | 323 | 324 | 327 | 327 | 322 | 321 |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TRGROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
| 121 | 1 | F | 269 | 273 | 271 | 274 | 277 | 278 | 281 | 284 | 284 | 287 | 293 | 291 | 293 | 292 | 287 | 280 | 276 | 269 | 268 | 272 |
| 122 | 1 | F | 256 | 264 | 263 | 271 | 272 | 282 | 278 | 283 | 288 | 291 | 293 | 296 | 300 | 300 | 299 | 298 | 301 | 302 | 295 | 297 |
| 123 | 1 | F | 295 | 300 | 295 | 302 | 306 | 309 | 307 | 305 | 310 | 318 | 313 | 312 | 320 | 316 | 326 | 323 | 325 | 328 | 320 | 324 |
| 124 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 125 | 1 | F | 293 | 300 | 300 | 303 | 306 | 316 | 317 | 319 | 319 | 320 | 319 | 326 | 328 | 330 | 328 | 341 | 342 | 347 | 329 | 288 |
| 126 | 1 | F | 292 | 311 | 305 | 321 | 313 | 318 | 329 | 329 | 332 | 339 | 347 | 350 | 352 | 362 | 359 | 354 | 367 | 356 | 344 | 336 |
| 127 | 1 | F | 270 | 277 | 259 | 256 | 245 | 257 | 256 | 266 | 273 | 281 | 282 | 295 | 304 | 307 | 309 | 316 | 314 | 316 | 320 | --- |
| 128 | 1 | F | 287 | 292 | 285 | 289 | 287 | 291 | 295 | 294 | 298 | 295 | 299 | 306 | 308 | 311 | 307 | 307 | 312 | 312 | 336 | 313 |
| 129 | 1 | F | 296 | 304 | 297 | 299 | 296 | 303 | 304 | 300 | 302 | 303 | 305 | 306 | 316 | 323 | 327 | 322 | 320 | 335 | 330 | 328 |
| 130 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 131 | 1 | F | 298 | 306 | 305 | 306 | 316 | 310 | 314 | 317 | 316 | 324 | 323 | 324 | 324 | 321 | 325 | 326 | 316 | 299 | 287 | 286 |
| 132 | 1 | F | 270 | 277 | 275 | 277 | 281 | 280 | 283 | 283 | 282 | 286 | 282 | 284 | 291 | 292 | 298 | 298 | 290 | 245 | 223 | --- |
| 133 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 134 | 1 | F | 274 | 275 | 273 | 287 | 296 | 297 | 308 | 293 | 287 | 276 | 290 | 285 | 275 | 284 | 261 | 242 | 228 | 233 | --- | --- |
| 135 | 1 | F | 308 | 316 | 306 | 310 | 323 | 336 | 330 | 327 | 332 | 308 | 324 | 323 | 323 | 344 | 344 | 328 | 326 | 322 | 325 | 296 |
| 136 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 137 | 1 | F | 314 | 322 | 329 | 334 | 342 | 342 | 347 | 347 | 350 | 349 | 350 | 349 | 351 | 348 | 351 | 331 | 296 | --- | --- | --- |
| 138 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 139 | 1 | F | 290 | 295 | 294 | 303 | 307 | 304 | 308 | 310 | 311 | 313 | 317 | 309 | 306 | 298 | 286 | 243 | --- | --- | --- | --- |
| 140 | 1 | F | 256 | 263 | 261 | 267 | 270 | 276 | 281 | 279 | 280 | 283 | 288 | 290 | 288 | 290 | 293 | 297 | 289 | 292 | 290 | 282 |
| 141 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 142 | 1 | F | 301 | 286 | 258 | 219 | 182 | 236 | 225 | 223 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 143 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 144 | 1 | F | 292 | 302 | 298 | 305 | 305 | 311 | 305 | 300 | 291 | 281 | 262 | 257 | 255 | 282 | 290 | 305 | 299 | 283 | 276 | 271 |
| 145 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 146 | 1 | F | 266 | 264 | 275 | 278 | 290 | 290 | 282 | 288 | 289 | 296 | 298 | 300 | 300 | 295 | 294 | 302 | 294 | 303 | 303 | --- |
| 147 | 1 | F | 274 | 285 | 277 | 289 | 295 | 296 | 282 | 284 | 299 | 313 | 331 | 337 | 329 | 350 | 345 | 375 | 400 | 418 | 412 | --- |
| 148 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 149 | 1 | F | 287 | 296 | 298 | 303 | 308 | 305 | 309 | 311 | 300 | 295 | 291 | 302 | 304 | 316 | 316 | 323 | 315 | 312 | 311 | 310 |
| 150 | 1 | F | 285 | 289 | 295 | 305 | 305 | 303 | 301 | 304 | 306 | 310 | 310 | 310 | 320 | 318 | 318 | 321 | 317 | 319 | 318 | 316 |
| 151 | 2 | M | 468 | 470 | 469 | 479 | 477 | 477 | 469 | 468 | 471 | 466 | 469 | 470 | 476 | 472 | 468 | 470 | 468 | 477 | 475 | 466 |
| 152 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 153 | 2 | M | 429 | 427 | 421 | 414 | 414 | 411 | 412 | 399 | 406 | 406 | 412 | 400 | 419 | 410 | 414 | 416 | 404 | 400 | 372 | 357 |
| 154 | 2 | M | 466 | 472 | 460 | 460 | 451 | 444 | 442 | 412 | 375 | 311 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 155 | 2 | M | 493 | 487 | 487 | 488 | 484 | 481 | 477 | 476 | 476 | 480 | 471 | 474 | 475 | 464 | 464 | 460 | 455 | 452 | 446 | 434 |
| 156 | 2 | M | 480 | 477 | 468 | 452 | 448 | 417 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 157 | 2 | M | 431 | 434 | 441 | 442 | 448 | 440 | 434 | 431 | 431 | 440 | 436 | 429 | 430 | 425 | 426 | 425 | 425 | 427 | 398 | 365 |
| 158 | 2 | M | 442 | 431 | 443 | 442 | 429 | 436 | 444 | 428 | 439 | 430 | 435 | 428 | 424 | 426 | 429 | 437 | 427 | 425 | 405 | 407 |
| 159 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 160 | 2 | M | 459 | 451 | 456 | 448 | 456 | 449 | 434 | 437 | 454 | 444 | 444 | 408 | 359 | 336 | 305 | 255 | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 161 | 2 | M | 477 | 485 | 485 | 491 | 488 | 482 | 474 | 478 | 480 | 477 | 469 | 439 | 414 | 289 | --- | --- | --- | --- | --- | --- |
| 162 | 2 | M | 449 | 444 | 435 | 425 | 446 | 442 | 435 | 430 | 443 | 438 | 435 | 423 | 408 | 407 | 404 | 411 | 408 | 408 | 401 | 401 |
| 163 | 2 | M | 503 | 510 | 507 | 509 | 506 | 499 | 500 | 491 | 499 | 498 | 491 | 493 | 482 | 479 | 465 | 459 | 454 | 437 | 423 | 412 |
| 164 | 2 | M | 462 | 466 | 460 | 455 | 455 | 449 | 454 | 452 | 456 | 459 | 446 | 442 | 457 | 481 | 477 | --- | --- | --- | --- | --- |
| 165 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 166 | 2 | M | 464 | 462 | 465 | 466 | 467 | 459 | 459 | 466 | 459 | 466 | 459 | 461 | 461 | 465 | 461 | 456 | 445 | 441 | 431 | 427 |
| 167 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 168 | 2 | M | 447 | 452 | 455 | 461 | 453 | 452 | 449 | 456 | 453 | 445 | 450 | 442 | 443 | 440 | 434 | 388 | 320 | 260 | --- | --- |
| 169 | 2 | M | 488 | 487 | 481 | 481 | 477 | 472 | 476 | 472 | 472 | 467 | 470 | 463 | 449 | 401 | 423 | 356 | --- | --- | --- | --- |
| 170 | 2 | M | 436 | 432 | 429 | 430 | 434 | 433 | 415 | 419 | 421 | 425 | 432 | 419 | 428 | 420 | 425 | 422 | 417 | 416 | 412 | --- |
| 171 | 2 | M | 437 | 436 | 429 | 424 | 422 | 413 | 407 | 407 | 410 | 410 | 404 | 411 | 404 | 405 | 401 | 398 | 392 | 390 | 381 | 341 |
| 172 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 173 | 2 | M | 463 | 467 | 462 | 465 | 461 | 458 | 461 | 462 | 452 | 454 | 445 | 447 | 451 | 445 | 446 | 446 | 446 | 442 | 365 | 312 |
| 174 | 2 | M | 513 | 516 | 516 | 519 | 521 | 522 | 518 | 514 | 510 | 508 | 498 | 492 | 487 | 482 | 480 | 481 | 480 | 482 | 475 | 467 |
| 175 | 2 | M | 463 | 467 | 465 | 461 | 455 | 455 | 444 | 443 | 441 | 437 | 435 | 430 | 434 | 436 | 420 | 411 | 398 | 393 | 378 | 369 |
| 176 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 177 | 2 | M | 434 | 440 | 437 | 443 | 441 | 446 | 428 | 420 | 424 | 428 | 425 | 420 | 420 | 421 | 416 | 416 | 417 | 417 | 404 | 402 |
| 178 | 2 | M | 441 | 445 | 440 | 447 | 444 | 447 | 443 | 446 | 445 | 445 | 448 | 444 | 451 | 441 | 442 | 439 | 430 | 417 | 363 | --- |
| 179 | 2 | M | 479 | 473 | 473 | 472 | 472 | 471 | 463 | 470 | 465 | 455 | 455 | 456 | 456 | 454 | 453 | 457 | 456 | 449 | 446 | 432 |
| 180 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 181 | 2 | M | 448 | 452 | 454 | 451 | 448 | 444 | 440 | 438 | 420 | 385 | 350 | 303 | --- | --- | --- | --- | --- | --- | --- | --- |
| 182 | 2 | M | 456 | 445 | 451 | 450 | 451 | 456 | 454 | 454 | 452 | 446 | 447 | 445 | 445 | 435 | 432 | 432 | 430 | 434 | 422 | 412 |
| 183 | 2 | M | 439 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 184 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 185 | 2 | M | 492 | 493 | 484 | 482 | 476 | 477 | 463 | 452 | 450 | 420 | 412 | 398 | 387 | 373 | 374 | 364 | 363 | 354 | 341 | 328 |
| 186 | 2 | M | 468 | 470 | 463 | 470 | 467 | 464 | 462 | 465 | 466 | 462 | 465 | 461 | 449 | 438 | 441 | 428 | 426 | 418 | 412 | 409 |
| 187 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 188 | 2 | M | 468 | 472 | 464 | 472 | 463 | 448 | 394 | 403 | 386 | 415 | 431 | 420 | 356 | --- | --- | --- | --- | --- | --- | --- |
| 189 | 2 | M | 473 | 475 | 464 | 475 | 482 | 464 | 430 | 404 | 387 | 242 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 190 | 2 | M | 432 | 444 | 438 | 445 | 447 | 444 | 445 | 443 | 441 | 442 | 432 | 428 | 419 | 422 | 415 | 422 | 422 | 421 | 415 | 409 |
| 191 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 192 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 193 | 2 | M | 421 | 410 | 399 | 408 | 392 | 380 | 326 | 290 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 194 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 195 | 2 | M | 442 | 445 | 446 | 445 | 452 | 446 | 439 | 440 | 437 | 435 | 425 | 419 | 427 | 418 | 420 | 411 | 408 | 400 | 392 | 391 |
| 196 | 2 | M | 423 | 428 | 429 | 430 | 429 | 420 | 422 | 424 | 420 | 420 | 422 | 413 | 420 | 418 | 414 | 414 | 410 | 396 | 306 | 263 |
| 197 | 2 | M | 410 | 408 | 409 | 413 | 412 | 406 | 413 | 404 | 409 | 407 | 411 | 392 | 401 | 406 | 400 | 396 | 382 | 385 | 377 | 359 |
| 198 | 2 | M | 470 | 471 | 462 | 465 | 466 | 464 | 466 | 461 | 460 | 462 | 469 | 460 | 462 | 472 | 471 | 474 | 468 | 466 | 460 | --- |
| 199 | 2 | M | 497 | 494 | 499 | 496 | 486 | 485 | 479 | 482 | 478 | 469 | 454 | 446 | 440 | 435 | 431 | 430 | 425 | 422 | 419 | 412 |
| 200 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 477 | 473 | 480 | 480 | 476 | 454 | 427 | 403 | 378 | 349 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 202 | 2 | M | 441 | 447 | 453 | 440 | 438 | 439 | 444 | 450 | 445 | 433 | 429 | 426 | 429 | 425 | 421 | 416 | 413 | 419 | 413 | 406 |
| 203 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 204 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 205 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 206 | 2 | M | 500 | 502 | 502 | 499 | 496 | 492 | 460 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 207 | 2 | M | 467 | 469 | 472 | 467 | 471 | 468 | 468 | 452 | 455 | 436 | 437 | 441 | 445 | 440 | 347 | 276 | --- | --- | --- | --- |
| 208 | 2 | M | 509 | 507 | 508 | 509 | 508 | 511 | 509 | 497 | 503 | 498 | 501 | 495 | 492 | 476 | 475 | 476 | 459 | 440 | 416 | 385 |
| 209 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 210 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 211 | 2 | M | 476 | 474 | 468 | 470 | 468 | 451 | 453 | 437 | 407 | 325 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 212 | 2 | M | 456 | 456 | 461 | 462 | 457 | 461 | 452 | 453 | 446 | 428 | 413 | 410 | 418 | 387 | 385 | 386 | 388 | 364 | 349 | --- |
| 213 | 2 | M | 417 | 412 | 401 | 409 | 350 | 369 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 214 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 215 | 2 | M | 457 | 469 | 466 | 473 | 473 | 469 | 465 | 462 | 467 | 465 | 456 | 441 | 403 | 362 | 328 | 309 | 371 | 394 | 396 | 387 |
| 216 | 2 | M | 466 | 474 | 469 | 471 | 476 | 465 | 464 | 464 | 460 | 462 | 464 | 454 | 455 | 467 | 475 | 497 | 525 | 564 | 597 | 595 |
| 217 | 2 | M | 519 | 524 | 520 | 520 | 522 | 520 | 506 | 520 | 514 | 522 | 517 | 510 | 512 | 512 | 506 | 508 | 492 | 490 | 470 | 460 |
| 218 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 219 | 2 | M | 457 | 465 | 471 | 471 | 473 | 469 | 462 | 462 | 455 | 458 | 459 | 455 | 450 | 450 | 442 | 444 | 436 | 435 | 426 | 421 |
| 220 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 221 | 2 | M | 477 | 472 | 471 | 477 | 472 | 468 | 473 | 478 | 473 | 464 | 466 | 456 | 449 | 442 | 435 | 435 | 438 | 435 | 429 | --- |
| 222 | 2 | M | 476 | 472 | 466 | 476 | 472 | 470 | 468 | 457 | 415 | 307 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 223 | 2 | M | 450 | 451 | 441 | 458 | 453 | 446 | 438 | 431 | 434 | 432 | 436 | 433 | 430 | 426 | 425 | 423 | 415 | 417 | 409 | 399 |
| 224 | 2 | M | 464 | 468 | 464 | 473 | 476 | 473 | 473 | 476 | 475 | 472 | 465 | 445 | 355 | 315 | --- | --- | --- | --- | --- | --- |
| 225 | 2 | M | 426 | 402 | 361 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 226 | 2 | F | 261 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 227 | 2 | F | 263 | 253 | 279 | 275 | 286 | 288 | 289 | 297 | 302 | 277 | 291 | 292 | 295 | 286 | 283 | 287 | 289 | 301 | 300 | 297 |
| 228 | 2 | F | 271 | 271 | 272 | 275 | 276 | 272 | 270 | 272 | 270 | 257 | 252 | 234 | 209 | 171 | --- | --- | --- | --- | --- | --- |
| 229 | 2 | F | 306 | 313 | 322 | 328 | 323 | 326 | 321 | 327 | 324 | 325 | 322 | 319 | 322 | 327 | 338 | 337 | 336 | 344 | 318 | 330 |
| 230 | 2 | F | 258 | 249 | 258 | 265 | 265 | 272 | 271 | 271 | 263 | 243 | 238 | 199 | 217 | 234 | 248 | 210 | --- | --- | --- | --- |
| 231 | 2 | F | 304 | 307 | 310 | 314 | 315 | 317 | 311 | 312 | 304 | 314 | 310 | 276 | --- | --- | --- | --- | --- | --- | --- | --- |
| 232 | 2 | F | 239 | 245 | 240 | 245 | 249 | 251 | 259 | 255 | 253 | 257 | 263 | 265 | 273 | 271 | 276 | 277 | 277 | 281 | 274 | 277 |
| 233 | 2 | F | 328 | 329 | 324 | 323 | 313 | 326 | 319 | 316 | 324 | 319 | 316 | 326 | 326 | 330 | 332 | 333 | 336 | 338 | 331 | 313 |
| 234 | 2 | F | 290 | 290 | 289 | 292 | 293 | 293 | 299 | 304 | 309 | 307 | 310 | 307 | 316 | 324 | 316 | 333 | 331 | 327 | 328 | 334 |
| 235 | 2 | F | 264 | 270 | 266 | 273 | 270 | 280 | 276 | 276 | 278 | 275 | 284 | 286 | 289 | 293 | 288 | 291 | 282 | 284 | 284 | 279 |
| 236 | 2 | F | 309 | 312 | 312 | 317 | 326 | 326 | 326 | 331 | 332 | 331 | 344 | 337 | 336 | 338 | 340 | 332 | 332 | 327 | 328 | 326 |
| 237 | 2 | F | 282 | 279 | 284 | 278 | 287 | 292 | 290 | 295 | 297 | 295 | 299 | 298 | 308 | 306 | 315 | 313 | 315 | 308 | 310 | 319 |
| 238 | 2 | F | 298 | 304 | 301 | 313 | 317 | 321 | 323 | 314 | 320 | 318 | 321 | 322 | 334 | 333 | 332 | 329 | 328 | 330 | 334 | 325 |
| 239 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 240 | 2 | F | 282 | 296 | 295 | 302 | 306 | 309 | 315 | 307 | 303 | 310 | 320 | 319 | 319 | 322 | 325 | 325 | 324 | 327 | 322 | 325 |

--- - NO AVAILABLE DATA

Table VI.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 241 | 2 | F | 283 | 280 | 280 | 273 | 285 | 285 | 275 | 283 | 283 | 284 | 291 | 294 | 296 | 297 | 299 | 301 | 305 | 304 | 302 | 299 |
| 242 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 243 | 2 | F | 299 | 265 | 241 | 220 | 182 | 164 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 244 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 245 | 2 | F | 266 | 271 | 279 | 281 | 280 | 293 | 293 | 290 | 299 | 294 | 300 | 307 | 306 | 307 | 314 | 317 | 315 | 316 | 309 | 303 |
| 246 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 247 | 2 | F | 282 | 291 | 299 | 302 | 302 | 302 | 301 | 301 | 302 | 298 | 299 | 310 | 315 | 312 | 306 | 318 | 314 | 315 | 304 | 300 |
| 248 | 2 | F | 279 | 290 | 288 | 292 | 297 | 298 | 291 | 289 | 298 | 299 | 300 | 301 | 303 | 306 | 314 | 305 | 277 | --- | --- | --- |
| 249 | 2 | F | 234 | 235 | 236 | 236 | 248 | 254 | 243 | 245 | 259 | 262 | 260 | 260 | 272 | 277 | 274 | 282 | 292 | 300 | 308 | --- |
| 250 | 2 | F | 295 | 305 | 306 | 302 | 302 | 303 | 299 | 306 | 297 | 298 | 296 | 294 | 285 | 279 | 256 | 221 | 163 | --- | --- | --- |
| 251 | 2 | F | 289 | 301 | 299 | 301 | 304 | 312 | 310 | 310 | 308 | 314 | 315 | 329 | 318 | 328 | 329 | 321 | 307 | 307 | 308 | 313 |
| 252 | 2 | F | 253 | 255 | 257 | 250 | 255 | 260 | 254 | 260 | 262 | 275 | 269 | 278 | 286 | 288 | 291 | 292 | 297 | 299 | 300 | 280 |
| 253 | 2 | F | 325 | 335 | 337 | 343 | 346 | 346 | 349 | 350 | 354 | 350 | 352 | 361 | 357 | 363 | 360 | 373 | 370 | 374 | 359 | 353 |
| 254 | 2 | F | 302 | 307 | 315 | 324 | 325 | 326 | 322 | 326 | 325 | 330 | 335 | 336 | 331 | 337 | 330 | 334 | 345 | 338 | 340 | 335 |
| 255 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 256 | 2 | F | 296 | 302 | 303 | 310 | 314 | 313 | 321 | 320 | 313 | 317 | 326 | 316 | 330 | 320 | 314 | 303 | 318 | 330 | 316 | 318 |
| 257 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 258 | 2 | F | 285 | 290 | 282 | 288 | 292 | 298 | 295 | 310 | 296 | 290 | 296 | 270 | --- | --- | --- | --- | --- | --- | --- | --- |
| 259 | 2 | F | 310 | 319 | 313 | 316 | 320 | 322 | 334 | 341 | 338 | 318 | 303 | 294 | 291 | 297 | 296 | 291 | 287 | 291 | 291 | 289 |
| 260 | 2 | F | 256 | 264 | 266 | 265 | 265 | 268 | 264 | 270 | 269 | 271 | 275 | 284 | 287 | 286 | 286 | 285 | 293 | 297 | 293 | 293 |
| 261 | 2 | F | 284 | 293 | 291 | 283 | 294 | 295 | 292 | 296 | 297 | 302 | 303 | 309 | 318 | 320 | 319 | 320 | 325 | 326 | 324 | 315 |
| 262 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 263 | 2 | F | 261 | 250 | 263 | 271 | 272 | 274 | 280 | 272 | 277 | 278 | 281 | 282 | 285 | 288 | 286 | 288 | 286 | 286 | 286 | 282 |
| 264 | 2 | F | 280 | 280 | 286 | 289 | 220 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 265 | 2 | F | 273 | 281 | 284 | 294 | 298 | 300 | 307 | 314 | 302 | 306 | 298 | 304 | 314 | 316 | 311 | 313 | 312 | 310 | 307 | 308 |
| 266 | 2 | F | 235 | 248 | 248 | 246 | 256 | 262 | 260 | 269 | 270 | 271 | 266 | 271 | 278 | 284 | 284 | 284 | 275 | 283 | 284 | --- |
| 267 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 268 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 269 | 2 | F | 314 | 327 | 327 | 329 | 333 | 327 | 328 | 329 | 336 | 343 | 344 | 338 | 346 | 352 | 348 | 347 | 337 | 342 | 338 | 334 |
| 270 | 2 | F | 308 | 316 | 322 | 326 | 330 | 324 | 328 | 339 | 332 | 332 | 336 | 331 | 328 | 330 | 326 | 252 | --- | --- | --- | --- |
| 271 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 272 | 2 | F | 298 | 304 | 311 | 309 | 319 | 319 | 314 | 313 | 319 | 320 | 324 | 325 | 333 | 340 | 336 | 336 | 334 | 339 | 337 | --- |
| 273 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 274 | 2 | F | 294 | 313 | 305 | 305 | 313 | 309 | 311 | 316 | 310 | 309 | 310 | 306 | 312 | 318 | 324 | 326 | 328 | 324 | 318 | 320 |
| 275 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 276 | 2 | F | 290 | 302 | 297 | 302 | 312 | 314 | 309 | 304 | 303 | 302 | 302 | 308 | 312 | 324 | 315 | 317 | 299 | 309 | 297 | 307 |
| 277 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 278 | 2 | F | 267 | 274 | 277 | 284 | 284 | 285 | 291 | 288 | 292 | 292 | 299 | 301 | 305 | 308 | 312 | 314 | 312 | 316 | 336 | 350 |
| 279 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 280 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 281 | 2 | F | 297 | 285 | 310 | 318 | 323 | 324 | 326 | 301 | 314 | 301 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 282 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 283 | 2 | F | 272 | 277 | 270 | 280 | 283 | 280 | 290 | 295 | 288 | 288 | 294 | 296 | 302 | 310 | 312 | 305 | 308 | 317 | 312 | 312 |
| 284 | 2 | F | 288 | 284 | 290 | 305 | 306 | 306 | 306 | 307 | 314 | 309 | 310 | 315 | 309 | 316 | 323 | 320 | 317 | 320 | 309 | 309 |
| 285 | 2 | F | 244 | 257 | 246 | 262 | 270 | 264 | 269 | 271 | 270 | 265 | 264 | 260 | 268 | 275 | 272 | 287 | 282 | 288 | 271 | 277 |
| 286 | 2 | F | 307 | 309 | 311 | 313 | 316 | 316 | 322 | 321 | 320 | 325 | 320 | 302 | 297 | 286 | 261 | 181 | --- | --- | --- | --- |
| 287 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 288 | 2 | F | 272 | 276 | 280 | 283 | 283 | 285 | 287 | 282 | 284 | 285 | 289 | 286 | 287 | 294 | 291 | 287 | 285 | 287 | 286 | 281 |
| 289 | 2 | F | 313 | 316 | 312 | 323 | 321 | 328 | 325 | 322 | 324 | 311 | 285 | 242 | 198 | 163 | 123 | --- | --- | --- | --- | --- |
| 290 | 2 | F | 258 | 263 | 266 | 272 | 275 | 281 | 278 | 281 | 280 | 288 | 292 | 288 | 293 | 297 | 296 | 306 | 302 | 302 | 304 | 300 |
| 291 | 2 | F | 266 | 272 | 274 | 278 | 280 | 284 | 284 | 285 | 290 | 298 | 295 | 297 | 293 | 297 | 291 | 286 | 287 | 279 | 261 | 274 |
| 292 | 2 | F | 288 | 284 | 294 | 302 | 304 | 304 | 306 | 304 | 305 | 313 | 311 | 324 | 317 | 324 | 338 | 352 | 340 | 330 | 334 | 338 |
| 293 | 2 | F | 273 | 275 | 285 | 287 | 292 | 287 | 296 | 289 | 298 | 299 | 304 | 301 | 304 | 312 | 298 | 294 | 306 | 287 | 288 | --- |
| 294 | 2 | F | 262 | 266 | 262 | 268 | 269 | 268 | 271 | 270 | 270 | 278 | 280 | 278 | 288 | 288 | 281 | 286 | 283 | 273 | --- | --- |
| 295 | 2 | F | 264 | 277 | 280 | 280 | 293 | 295 | 298 | 299 | 300 | 301 | 312 | 310 | 317 | 313 | 314 | 319 | 325 | 328 | 326 | 329 |
| 296 | 2 | F | 271 | 284 | 291 | 300 | 306 | 314 | 309 | 317 | 317 | 321 | 322 | 327 | 324 | 326 | 327 | 327 | 321 | 317 | 309 | 300 |
| 297 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 298 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 299 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 300 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 301 | 3 | M | 476 | 437 | 471 | 454 | 456 | 468 | 462 | 457 | 452 | 452 | 456 | 444 | 451 | 448 | 443 | 443 | 444 | 442 | 431 | 435 |
| 302 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 303 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 304 | 3 | M | 444 | 443 | 444 | 437 | 433 | 424 | 427 | 425 | 412 | 390 | 401 | 367 | 386 | 387 | 388 | 386 | 371 | 345 | 289 | --- |
| 305 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 306 | 3 | M | 464 | 464 | 463 | 464 | 459 | 455 | 451 | 455 | 455 | 456 | 458 | 452 | 449 | 448 | 417 | 436 | 429 | 410 | 388 | 369 |
| 307 | 3 | M | 452 | 447 | 442 | 439 | 437 | 441 | 431 | 432 | 428 | 425 | 425 | 422 | 422 | 426 | 428 | 428 | 420 | 422 | 424 | 416 |
| 308 | 3 | M | 479 | 479 | 473 | 471 | 473 | 471 | 465 | 468 | 459 | 456 | 458 | 452 | 453 | 453 | 446 | 450 | 437 | 444 | 439 | --- |
| 309 | 3 | M | 476 | 476 | 482 | 477 | 478 | 475 | 470 | 464 | 476 | 436 | 367 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 310 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 311 | 3 | M | 435 | 432 | 439 | 438 | 428 | 427 | 425 | 429 | 431 | 431 | 428 | 426 | 428 | 425 | 422 | 405 | --- | --- | --- | --- |
| 312 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 313 | 3 | M | 453 | 460 | 462 | 457 | 464 | 456 | 460 | 458 | 454 | 451 | 456 | 450 | 450 | 449 | 462 | 451 | 454 | 453 | 442 | 437 |
| 314 | 3 | M | 415 | 419 | 418 | 415 | 408 | 405 | 403 | 407 | 412 | 417 | 407 | 407 | 413 | 411 | 398 | 393 | 390 | 390 | --- | --- |
| 315 | 3 | M | 506 | 514 | 502 | 502 | 501 | 509 | 506 | 514 | 510 | 512 | 518 | 520 | 521 | 510 | 518 | 514 | 504 | 484 | 472 | 449 |
| 316 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 317 | 3 | M | 509 | 516 | 513 | 516 | 510 | 505 | 498 | 492 | 492 | 482 | 419 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 318 | 3 | M | 482 | 477 | 472 | 481 | 478 | 479 | 465 | 467 | 474 | 471 | 477 | 468 | 462 | 459 | 454 | 450 | 450 | 436 | 427 | 421 |
| 319 | 3 | M | 488 | 482 | 479 | 477 | 476 | 472 | 471 | 466 | 460 | 446 | 448 | 445 | 444 | 440 | 433 | 436 | 433 | 420 | 422 | 413 |
| 320 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 321 | 3 | M | 503 | 501 | 508 | 508 | 508 | 507 | 504 | 497 | 496 | 496 | 503 | 500 | 492 | 484 | 480 | 482 | 477 | 478 | 467 | 458 |
| 322 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 323 | 3 | M | 479 | 472 | 470 | 455 | 459 | 461 | 464 | 461 | 466 | 470 | 466 | 458 | 470 | 445 | 442 | 446 | 429 | 387 | 268 | --- |
| 324 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 325 | 3 | M | 458 | 452 | 452 | 454 | 456 | 453 | 448 | 447 | 443 | 447 | 422 | 368 | 316 | --- | --- | --- | --- | --- | --- | --- |
| 326 | 3 | M | 463 | 472 | 465 | 464 | 466 | 460 | 448 | 444 | 445 | 442 | 442 | 433 | 421 | 395 | 359 | 321 | 288 | 232 | --- | --- |
| 327 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 328 | 3 | M | 463 | 457 | 460 | 459 | 462 | 453 | 452 | 456 | 451 | 459 | 450 | 450 | 449 | 449 | 444 | 440 | 429 | 418 | 411 | 403 |
| 329 | 3 | M | 473 | 480 | 472 | 471 | 475 | 470 | 471 | 470 | 474 | 477 | 481 | 476 | 474 | 479 | 478 | 473 | 465 | 455 | 355 | --- |
| 330 | 3 | M | 486 | 468 | 466 | 464 | 468 | 458 | 440 | 450 | 454 | 450 | 460 | 460 | 454 | 456 | 443 | --- | --- | --- | --- | --- |
| 331 | 3 | M | 437 | 439 | 441 | 443 | 445 | 438 | 439 | 436 | 434 | 405 | 402 | 404 | 397 | --- | --- | --- | --- | --- | --- | --- |
| 332 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 333 | 3 | M | 504 | 510 | 500 | 501 | 494 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 334 | 3 | M | 482 | 473 | 471 | 473 | 467 | 459 | 453 | 438 | 308 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 335 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 336 | 3 | M | 472 | 466 | 461 | 470 | 459 | 456 | 455 | 445 | 442 | 435 | 435 | 426 | 436 | 432 | 429 | 427 | 418 | 420 | 414 | 410 |
| 337 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 338 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 339 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 340 | 3 | M | 433 | 432 | 428 | 434 | 429 | 406 | 418 | 424 | 421 | 422 | 425 | 425 | 426 | 424 | 428 | 424 | 419 | 422 | 414 | 411 |
| 341 | 3 | M | 476 | 477 | 478 | 479 | 472 | 473 | 478 | 478 | 486 | 472 | 480 | 476 | 468 | 466 | 461 | 459 | 441 | 441 | 438 | 428 |
| 342 | 3 | M | 505 | 501 | 501 | 502 | 501 | 494 | 501 | 485 | 488 | 484 | 486 | 479 | 484 | 481 | 475 | 469 | 458 | 456 | 452 | 447 |
| 343 | 3 | M | 460 | 460 | 468 | 476 | 474 | 471 | 466 | 463 | 462 | 460 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 344 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 345 | 3 | M | 474 | 478 | 481 | 496 | 450 | 383 | 352 | 350 | 338 | 333 | 300 | 295 | 296 | 302 | 300 | 286 | 287 | 274 | 269 | 256 |
| 346 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 347 | 3 | M | 478 | 473 | 467 | 474 | 472 | 470 | 457 | 458 | 454 | 458 | 451 | 450 | 444 | 444 | 440 | 432 | 425 | 423 | 424 | 406 |
| 348 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 349 | 3 | M | 464 | 470 | 470 | 471 | 472 | 473 | 472 | 467 | 464 | 456 | 459 | 450 | 446 | 441 | 449 | 462 | --- | --- | --- | --- |
| 350 | 3 | M | 458 | 457 | 459 | 464 | 462 | 464 | 460 | 465 | 464 | 463 | 465 | 457 | 443 | --- | --- | --- | --- | --- | --- | --- |
| 351 | 3 | M | 460 | 452 | 444 | 422 | 385 | 325 | 280 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 352 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 353 | 3 | M | 485 | 491 | 485 | 494 | 494 | 497 | 487 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 354 | 3 | M | 486 | 488 | 489 | 492 | 486 | 486 | 486 | 478 | 474 | 473 | 473 | 464 | 462 | 469 | 461 | 457 | 450 | 444 | 439 | 433 |
| 355 | 3 | M | 450 | 449 | 437 | 449 | 442 | 443 | 438 | 436 | 447 | 442 | 439 | 437 | 445 | 439 | 439 | 435 | 438 | 440 | 433 | 425 |
| 356 | 3 | M | 455 | 454 | 451 | 456 | 457 | 447 | 450 | 440 | 443 | 439 | 438 | 434 | 434 | 433 | 429 | 432 | 421 | 420 | 397 | 392 |
| 357 | 3 | M | 416 | 412 | 409 | 411 | 414 | 409 | 412 | 407 | 411 | 415 | 410 | 405 | 405 | 403 | 402 | 401 | 400 | 400 | 390 | 384 |
| 358 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 359 | 3 | M | 492 | 500 | 500 | 508 | 506 | 501 | 502 | 497 | 497 | 496 | 493 | 489 | 490 | 492 | 493 | 489 | 486 | 478 | 475 | 465 |
| 360 | 3 | M | 454 | 456 | 453 | 453 | 453 | 446 | 444 | 448 | 448 | 438 | 441 | 443 | 437 | 441 | 436 | 440 | 429 | 430 | 426 | 424 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 361 | 3 | M | 445 | 436 | 434 | 436 | 426 | 418 | [illegible] | 429 | 426 | 426 | 427 | 420 | 407 | 390 | 368 | --- | --- | --- | --- | --- |
| 362 | 3 | M | 454 | 450 | 445 | 451 | 457 | 441 | 438 | [illegible] | 423 | 415 | 386 | 354 | 267 | --- | --- | --- | --- | --- | --- | --- |
| 363 | 3 | M | 460 | 463 | 457 | 463 | 461 | [illegible] | 432 | 432 | 418 | 316 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 364 | 3 | M | 428 | 430 | 430 | 433 | 433 | 436 | 438 | 426 | 418 | 418 | 421 | 423 | 419 | 418 | 421 | 415 | 401 | 404 | 397 | 357 |
| 365 | 3 | M | 452 | 456 | 448 | 447 | 447 | 418 | 433 | 431 | 441 | 437 | 440 | 429 | 425 | 416 | 418 | 413 | 404 | 409 | 400 | --- |
| 366 | 3 | M | --- | --- | --- | --- | | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 367 | 3 | M | 396 | 401 | 395 | 394 | 401 | 388 | 381 | 381 | 383 | 366 | 279 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 368 | 3 | M | 461 | 464 | 458 | 466 | 460 | 459 | [illegible] | 459 | 459 | 453 | 452 | 456 | 453 | 453 | 454 | 451 | 448 | 445 | 427 | --- |
| 369 | 3 | M | 439 | 440 | 438 | 439 | 442 | 439 | 445 | 443 | 440 | 443 | 441 | 439 | 437 | 432 | 430 | 418 | 400 | --- | --- | --- |
| 370 | 3 | M | 452 | 447 | 440 | 433 | 439 | 428 | 432 | 432 | 424 | 427 | 428 | 428 | 432 | 428 | 426 | 431 | 409 | 412 | 397 | 395 |
| 371 | 3 | M | 429 | 426 | 420 | 428 | 426 | 421 | 416 | 413 | 407 | 402 | 401 | 374 | 297 | --- | --- | --- | --- | --- | --- | --- |
| 372 | 3 | M | 466 | 456 | 451 | 450 | 460 | 416 | 414 | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 373 | 3 | M | 412 | 412 | 409 | 395 | 403 | 397 | 388 | 397 | 392 | 391 | 388 | 386 | 345 | --- | --- | --- | --- | --- | --- | --- |
| 374 | 3 | M | --- | --- | --- | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 375 | 3 | M | 441 | 439 | 433 | 440 | 444 | 441 | 444 | 437 | 444 | 442 | 436 | 434 | 434 | 432 | 422 | 423 | 421 | 424 | 400 | 394 |
| 376 | 3 | F | 252 | 260 | 265 | 263 | 264 | 273 | 270 | 272 | 271 | 271 | 269 | 272 | 278 | 283 | 290 | 289 | 286 | 289 | 286 | 281 |
| 377 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 378 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 379 | 3 | F | 297 | 299 | 296 | 296 | 299 | 299 | 306 | 308 | 300 | 311 | 312 | 317 | 320 | 320 | 323 | 324 | 321 | 318 | 316 | 317 |
| 380 | 3 | F | 258 | 271 | 269 | 266 | 270 | 280 | 277 | 273 | 282 | 283 | 281 | 289 | 288 | 294 | 289 | 298 | 287 | 289 | 284 | 279 |
| 381 | 3 | F | 232 | 240 | 242 | 250 | 240 | 248 | 242 | 246 | 258 | 256 | 268 | 270 | 280 | 284 | 286 | 292 | 287 | 295 | 298 | 288 |
| 382 | 3 | F | 287 | 294 | 299 | 301 | 298 | 300 | 303 | 300 | 302 | 305 | 307 | 312 | 315 | 323 | 323 | 328 | 327 | 331 | 330 | 322 |
| 383 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 384 | 3 | F | 276 | 282 | 281 | 282 | 284 | 281 | 270 | 266 | 270 | 265 | 253 | 278 | 286 | 290 | 292 | 289 | 280 | 303 | 297 | 288 |
| 385 | 3 | F | 255 | 260 | 255 | 258 | 256 | 263 | 260 | 264 | 272 | 281 | 276 | 285 | 283 | 281 | 273 | 279 | 278 | 276 | 278 | 266 |
| 386 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 387 | 3 | F | 265 | 275 | 273 | 267 | 272 | 281 | 284 | 287 | 288 | 292 | 294 | 307 | 313 | 321 | 307 | 276 | --- | --- | --- | --- |
| 388 | 3 | F | 290 | 297 | 294 | 293 | 297 | 289 | 292 | 293 | 305 | 307 | 299 | 308 | 307 | 307 | 300 | 263 | 269 | 252 | 203 | 173 |
| 389 | 3 | F | 268 | 275 | 279 | 279 | 279 | 279 | 280 | 279 | 287 | 282 | 286 | 283 | 287 | 270 | 274 | 281 | 292 | 290 | 292 | 284 |
| 390 | 3 | F | 258 | 260 | 258 | 269 | 275 | 278 | 276 | 277 | 287 | 281 | 284 | 289 | 295 | 299 | 300 | 301 | 300 | 306 | 304 | --- |
| 391 | 3 | F | 268 | 276 | 275 | 273 | 283 | 287 | 287 | 281 | 299 | 296 | 297 | 304 | 302 | 305 | 305 | 321 | 317 | 318 | 319 | 314 |
| 392 | 3 | F | 266 | 268 | 271 | 268 | 274 | 274 | 277 | 279 | 280 | 283 | 283 | 287 | 284 | 285 | 288 | 294 | 294 | 292 | 294 | 290 |
| 393 | 3 | F | 310 | 301 | 270 | 262 | 234 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 394 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 395 | 3 | F | 283 | 295 | 297 | 301 | 308 | 317 | 322 | 331 | 330 | 326 | 333 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 396 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 397 | 3 | F | 299 | 308 | 311 | 314 | 317 | 321 | 315 | 322 | 330 | 260 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 398 | 3 | F | 291 | 293 | 299 | 302 | 301 | 311 | 300 | 306 | 309 | 314 | 319 | 317 | 324 | 324 | 315 | 318 | 317 | 313 | 313 | 309 |
| 399 | 3 | F | 280 | 291 | 288 | 293 | 291 | 289 | 289 | 288 | 313 | 319 | 315 | 311 | 308 | 308 | 236 | --- | --- | | --- | --- |
| 400 | 3 | F | 239 | 243 | 246 | 249 | 250 | 255 | 258 | 256 | 260 | 260 | 268 | 271 | 272 | 273 | 272 | 276 | 274 | 281 | 279 | 274 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
| 401 | 3 | F | 262 | 266 | 267 | 270 | 284 | 290 | 292 | 297 | 299 | 303 | 301 | 304 | 311 | 315 | 312 | 316 | 319 | 318 | 320 | 314 |
| 402 | 3 | F | 314 | 320 | 321 | 321 | 330 | 333 | 332 | 335 | 331 | 344 | 348 | 351 | 351 | 35[illegible] | 348 | 351 | 340 | 344 | 344 | 339 |
| 403 | 3 | F | 268 | 270 | 277 | 274 | 281 | 281 | 285 | 287 | 288 | 293 | 295 | 297 | 305 | 304 | 310 | 314 | 311 | 314 | 312 | 308 |
| 404 | 3 | F | 297 | 299 | 300 | 297 | 301 | 306 | 302 | 310 | 310 | 307 | 310 | 308 | 301 | 295 | 268 | 204 | --- | --- | --- | --- |
| 405 | 3 | F | 292 | 302 | 299 | 304 | 310 | 316 | 316 | 312 | 319 | 323 | 329 | 338 | 335 | 335 | 346 | 344 | 338 | 339 | 343 | 334 |
| 406 | 3 | F | --- | --- | --- | --- | --- | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 407 | 3 | F | 306 | 312 | 314 | 318 | 319 | 322 | 324 | 325 | 328 | 328 | 335 | 338 | 344 | 339 | 341 | 346 | 345 | 343 | 341 | 340 |
| 408 | 3 | F | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 409 | 3 | F | 307 | 319 | 315 | 317 | 326 | 330 | 331 | 334 | 338 | 341 | 341 | 340 | 347 | 349 | 345 | 355 | 358 | 354 | 351 | 340 |
| 410 | 3 | F | 258 | 264 | 271 | 274 | 277 | 279 | 278 | 284 | 293 | 291 | 293 | 294 | 294 | 298 | 294 | 301 | 295 | 288 | 282 | 284 |
| 411 | 3 | F | 241 | 248 | 250 | 250 | 255 | 254 | 248 | 248 | 250 | 235 | 243 | 245 | 240 | 228 | 216 | 184 | --- | --- | --- | --- |
| 412 | 3 | F | 266 | 245 | 216 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 413 | 3 | F | 281 | 284 | 283 | 288 | 295 | 300 | 301 | 298 | 303 | 307 | 304 | 311 | 320 | 319 | 322 | 323 | 321 | 325 | 328 | 312 |
| 414 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 415 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 416 | 3 | F | 303 | 310 | 311 | 308 | 316 | 325 | 328 | 327 | 327 | 334 | 336 | 337 | 334 | 332 | 328 | 331 | 332 | 334 | 335 | 328 |
| 417 | 3 | F | 286 | 288 | 292 | 290 | 294 | 298 | 306 | 304 | 300 | 301 | 301 | 290 | 255 | 188 | --- | --- | --- | --- | --- | --- |
| 418 | 3 | F | 287 | 286 | 285 | 287 | 292 | 301 | 300 | 302 | 303 | 300 | 301 | 314 | 312 | 315 | 310 | 320 | 315 | 317 | 328 | 324 |
| 419 | 3 | F | 285 | 289 | 293 | 299 | 304 | 316 | 312 | 312 | 312 | 317 | 320 | 325 | 328 | 326 | 336 | 336 | 337 | 344 | 346 | 338 |
| 420 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 421 | 3 | F | 265 | 265 | 262 | 268 | 264 | 264 | 270 | 281 | 285 | 282 | 298 | 287 | 296 | 291 | 298 | 306 | 310 | 305 | 310 | 303 |
| 422 | 3 | F | 266 | 274 | 280 | 284 | 281 | 281 | 290 | 283 | 288 | 288 | 294 | 289 | 303 | 298 | 301 | 301 | 300 | 305 | 309 | 303 |
| 423 | 3 | F | 296 | 299 | 302 | 300 | 305 | 300 | 309 | 313 | 313 | 320 | 326 | 326 | 331 | 329 | 335 | 339 | 339 | 342 | 348 | 342 |
| 424 | 3 | F | 329 | 332 | 340 | 340 | 346 | 354 | 357 | 356 | 358 | 352 | 358 | 351 | 356 | 364 | 367 | 376 | 379 | 380 | 380 | 380 |
| 425 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 426 | 3 | F | 303 | 305 | 311 | 314 | 316 | 320 | 321 | 335 | 330 | 332 | 334 | 342 | 339 | 344 | 349 | 348 | 355 | 358 | 358 | 355 |
| 427 | 3 | F | 265 | 269 | 264 | 276 | 273 | 274 | 279 | 279 | 280 | 278 | 280 | 283 | 287 | 287 | 289 | 287 | 286 | 292 | 288 | 285 |
| 428 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 429 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 430 | 3 | F | 261 | 262 | 264 | 259 | 261 | 270 | 256 | 265 | 271 | 271 | 274 | 276 | 272 | 272 | 275 | 284 | 277 | 283 | 281 | --- |
| 431 | 3 | F | 290 | 294 | 293 | 298 | 296 | 297 | 299 | 295 | 296 | 305 | 302 | 304 | 314 | 312 | 318 | 324 | 317 | 318 | 321 | 327 |
| 432 | 3 | F | 294 | 300 | 294 | 297 | 295 | 303 | 303 | 310 | 305 | 313 | 311 | 317 | 323 | 327 | 329 | 334 | 328 | 333 | 320 | 312 |
| 433 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 434 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 435 | 3 | F | 302 | 309 | 310 | 315 | 310 | 302 | 316 | 302 | 314 | 290 | 300 | 304 | 310 | 309 | --- | --- | --- | --- | --- | --- |
| 436 | 3 | F | 259 | 269 | 264 | 266 | 267 | 286 | 280 | 287 | 295 | 297 | 298 | 295 | 291 | 301 | 301 | 297 | 304 | 302 | 300 | 298 |
| 437 | 3 | F | 292 | 296 | 292 | 289 | 295 | 295 | 294 | 297 | 286 | 280 | 289 | 299 | 292 | 288 | 278 | 270 | 258 | 205 | --- | --- |
| 438 | 3 | F | 284 | 287 | 284 | 292 | 292 | 299 | 302 | 303 | 304 | 304 | 242 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 439 | 3 | F | 277 | 281 | 279 | 278 | 281 | 289 | 289 | 289 | 296 | 304 | 313 | 330 | 332 | 349 | 353 | 376 | 396 | 449 | 462 | --- |
| 440 | 3 | F | 261 | 268 | 267 | 262 | 266 | 274 | 272 | 276 | 282 | 282 | 287 | 289 | 292 | 293 | 286 | 290 | 283 | 285 | 279 | --- |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

TEST WEEK

| ANIMAL NO | GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 4 | F | 271 | 279 | 276 | 276 | 285 | 289 | 291 | 283 | 292 | 293 | 298 | 300 | 307 | 316 | 299 | 295 | 293 | 293 | 282 | 266 |
| 442 | 4 | F | | | | | | | | | | | | | | | | | | | | |
| 443 | 4 | F | 264 | 266 | 268 | 269 | 267 | 273 | 278 | 275 | 279 | 282 | 289 | 279 | 289 | 283 | 291 | 296 | 292 | 289 | 293 | 291 |
| 444 | 4 | F | | | | | | | | | | | | | | | | | | | | |
| 445 | 4 | F | 284 | 289 | 291 | 294 | 302 | 303 | 304 | 305 | 309 | 312 | 310 | 307 | 311 | 322 | 318 | 325 | 318 | 326 | 325 | 322 |
| 446 | 4 | F | 292 | 296 | 293 | 295 | 298 | 299 | 303 | 302 | 305 | 310 | 314 | 314 | 320 | 322 | 323 | 324 | 325 | 326 | 332 | 332 |
| 447 | 4 | F | 277 | 285 | 286 | 289 | 290 | 295 | 294 | 293 | 303 | 310 | 309 | 314 | 318 | 326 | 321 | 329 | 330 | 332 | 314 | 309 |
| 448 | 4 | F | | | | | | | | | | | | | | | | | | | | |
| 449 | 4 | F | 276 | 275 | 276 | 282 | 275 | 269 | 279 | 275 | 263 | 266 | 264 | 235 | 270 | 265 | 249 | | | | | |
| 450 | 4 | F | | | | | | | | | | | | | | | | | | | | |
| 451 | 4 | M | 411 | 414 | 413 | 410 | 404 | 403 | 400 | 399 | 401 | 403 | 402 | 398 | 404 | 391 | 394 | 387 | 388 | 391 | 389 | 374 |
| 452 | 4 | M | 445 | 446 | 446 | 441 | 440 | 439 | 440 | 446 | 450 | 439 | 441 | 442 | 438 | 442 | 436 | 446 | 434 | 432 | 427 | 419 |
| 453 | 4 | M | 404 | 400 | 403 | 397 | 390 | 388 | 382 | 393 | 390 | 392 | 396 | 394 | 394 | 389 | 396 | 399 | 400 | 406 | 417 | 411 |
| 454 | 4 | M | 444 | 453 | 447 | 450 | 447 | 442 | 442 | 422 | 408 | 402 | 396 | 415 | 412 | 411 | 410 | 409 | 414 | 409 | 410 | 408 |
| 455 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 456 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 457 | 4 | M | 428 | 432 | 439 | 429 | 433 | 428 | 422 | 428 | 423 | | | | | | | | | | | |
| 458 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 459 | 4 | M | 429 | 434 | 423 | 419 | 423 | 413 | 405 | 404 | 402 | 397 | 392 | 382 | 390 | 382 | 380 | 377 | 371 | 372 | 369 | 369 |
| 460 | 4 | M | 439 | 437 | 436 | 435 | 431 | 437 | 423 | 434 | 440 | 431 | 421 | 365 | | | | | | | | |
| 461 | 4 | M | [illegible] | 456 | 442 | 436 | 439 | 437 | 430 | 426 | 432 | 429 | 426 | 419 | 417 | 413 | 403 | 395 | 379 | 336 | 272 | |
| 462 | 4 | M | 423 | 429 | 429 | 410 | 431 | 431 | 429 | 424 | 428 | 426 | 429 | 432 | 430 | 418 | 412 | 407 | 395 | 379 | 285 | 232 |
| 463 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 464 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 465 | 4 | M | 384 | 380 | 379 | 380 | 377 | 372 | 370 | 368 | 364 | 358 | 348 | 343 | 336 | 329 | 298 | 240 | | | | |
| 466 | 4 | M | 419 | 416 | 419 | 410 | 414 | 408 | 407 | 411 | 410 | 411 | 403 | 391 | 364 | 312 | | | | | | |
| 467 | 4 | M | 435 | 431 | 432 | 438 | 427 | 432 | 429 | 427 | 424 | 425 | 419 | 418 | 414 | 413 | 402 | 408 | 399 | 399 | 394 | 386 |
| 468 | 4 | M | 452 | 445 | 434 | 431 | 438 | 442 | 428 | 422 | 417 | 416 | 417 | 414 | 417 | 397 | 290 | 322 | 299 | | | |
| 469 | 4 | M | 477 | 469 | 469 | 467 | 466 | 460 | 456 | 455 | 458 | 461 | 469 | 459 | 451 | 440 | 410 | 336 | 335 | 336 | | |
| 470 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 471 | 4 | M | 407 | 416 | 419 | 416 | 395 | 402 | 398 | | | | | | | | | | | | | |
| 472 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 473 | 4 | M | 480 | 483 | 467 | 469 | 465 | 449 | 346 | 317 | | | | | | | | | | | | |
| 474 | 4 | M | 444 | 449 | 442 | 444 | 439 | 432 | 431 | 427 | 429 | 423 | 421 | 412 | 408 | 410 | 404 | 405 | 408 | 409 | 413 | 408 |
| 475 | 4 | M | 451 | 460 | 456 | 456 | 452 | 447 | 445 | 437 | 438 | 436 | 431 | 425 | 426 | 423 | 419 | 423 | 410 | 411 | 415 | 410 |
| 476 | 4 | M | | | | | | | | | | | | | | | | | | | | |
| 477 | 4 | M | 488 | 486 | 486 | 480 | 479 | 473 | 474 | 468 | 462 | 464 | 458 | 452 | 448 | 444 | 439 | 434 | 430 | 422 | 418 | 411 |
| 478 | 4 | M | 445 | 445 | 445 | 442 | 440 | 434 | 438 | 427 | 423 | 422 | 419 | 418 | 409 | 410 | 413 | 411 | 406 | 409 | 390 | 379 |
| 479 | 4 | M | 447 | 418 | 418 | 413 | 406 | 398 | 390 | 400 | 394 | 391 | 384 | 373 | 366 | 366 | 361 | 347 | 261 | | | |
| 480 | 4 | M | 468 | 473 | 473 | 467 | 464 | 465 | 465 | 464 | 456 | 461 | 440 | 446 | 436 | 429 | 414 | 378 | 284 | 280 | | |

--- NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TRT GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 481 | 4 | M | 469 | 471 | 470 | 478 | 477 | 471 | 465 | 462 | 472 | 492 | 410 | 453 | | | | | | | | |
| 482 | 4 | M | 517 | 519 | 512 | 510 | 505 | 504 | 496 | 491 | 485 | 477 | 473 | 469 | 435 | 328 | --- | | | --- | --- | --- |
| 483 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 484 | 4 | M | 416 | 408 | 416 | 424 | 418 | 411 | 416 | 416 | 411 | 408 | 409 | 404 | 403 | 404 | 394 | 399 | 392 | 393 | 390 | 377 |
| 485 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 486 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 487 | 4 | M | 466 | 465 | 461 | 458 | 460 | 456 | 450 | 445 | 446 | 441 | 446 | 442 | 447 | 440 | 446 | 442 | 437 | 429 | 414 | 406 |
| 488 | 4 | M | 408 | 408 | 402 | 408 | 408 | 407 | 404 | 399 | 394 | 396 | 392 | 390 | 389 | 382 | 377 | 374 | 375 | 380 | 372 | 371 |
| 489 | 4 | M | 432 | 417 | 413 | 413 | 412 | 429 | 419 | 425 | 423 | 430 | 430 | 431 | 436 | 429 | 431 | 436 | 411 | 459 | 471 | 476 |
| 490 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 491 | 4 | M | 407 | 412 | 415 | 421 | 415 | 409 | 409 | 412 | 403 | 404 | 406 | 396 | 400 | 395 | 402 | 394 | 349 | | --- | --- |
| 492 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 493 | 4 | M | 402 | 409 | 397 | 403 | 400 | 398 | 397 | 392 | 395 | 397 | 394 | 391 | 386 | 382 | 380 | 384 | 377 | 374 | 369 | 362 |
| 494 | 4 | M | 473 | 475 | 480 | 482 | 483 | 482 | 480 | 468 | 474 | 480 | 476 | 479 | 469 | 472 | 467 | 457 | 444 | 347 | 286 | 327 |
| 495 | 4 | M | 432 | 436 | 432 | 432 | 422 | 429 | 426 | 436 | 419 | 416 | 412 | 408 | 378 | 316 | 284 | --- | --- | --- | --- | --- |
| 496 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 497 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 498 | 4 | M | 443 | 444 | 443 | 444 | 446 | 441 | 434 | 428 | 425 | 428 | 423 | 413 | 418 | 413 | 405 | 410 | 400 | 396 | 386 | 383 |
| 499 | 4 | M | 495 | 491 | 485 | 479 | 478 | 484 | 473 | 469 | 473 | 472 | 472 | 474 | 473 | 476 | 480 | 482 | 490 | 498 | 509 | 504 |
| 500 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 501 | 4 | M | 447 | 452 | 453 | 456 | 452 | 454 | 448 | 446 | 442 | 442 | 440 | 437 | 429 | 425 | 421 | 402 | 379 | 350 | 321 | --- |
| 502 | 4 | M | 463 | 451 | 451 | 451 | 454 | 444 | 441 | 450 | 453 | 447 | 446 | 452 | 444 | 448 | 442 | 434 | 431 | 421 | 414 | 404 |
| 503 | 4 | M | 465 | 463 | 454 | 458 | 461 | 457 | 455 | 454 | 445 | 451 | 446 | 447 | 437 | 434 | 429 | 414 | 376 | --- | --- | --- |
| 504 | 4 | M | 450 | 447 | 446 | 439 | 444 | 438 | 443 | 441 | 442 | 442 | 436 | 431 | 427 | 428 | 433 | 430 | 422 | 419 | 410 | 395 |
| 505 | 4 | M | 428 | 434 | 428 | 432 | 426 | 419 | 415 | 415 | 415 | 413 | 408 | 407 | 398 | 402 | 406 | 397 | 338 | --- | --- | --- |
| 506 | 4 | M | 415 | 410 | 409 | 410 | 406 | 404 | 406 | 399 | 398 | 395 | 396 | 386 | 326 | --- | --- | --- | --- | --- | --- | --- |
| 507 | 4 | M | 405 | 408 | 406 | 398 | 398 | 394 | 394 | 383 | 383 | 383 | 378 | 379 | 376 | 376 | 377 | 368 | 365 | 362 | 362 | 356 |
| 508 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 509 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 510 | 4 | M | 420 | 415 | 416 | 421 | 421 | 419 | 413 | 406 | 401 | 402 | 401 | 395 | 387 | 368 | 372 | 373 | 371 | 368 | 381 | 365 |
| 511 | 4 | M | 427 | 424 | 402 | 400 | 400 | 399 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 512 | 4 | M | 472 | 470 | 461 | 459 | 457 | 451 | 448 | 446 | 445 | 438 | 432 | 430 | 427 | 431 | 422 | 412 | 415 | 410 | 395 | 385 |
| 513 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 514 | 4 | M | 429 | 435 | 427 | 434 | 434 | 435 | 427 | 422 | 427 | 421 | 420 | 406 | 411 | 407 | 398 | 391 | 377 | 379 | 297 | 263 |
| 515 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 516 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 517 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 518 | 4 | M | 457 | 463 | 459 | 464 | 467 | 451 | 447 | 453 | 460 | 459 | 465 | 458 | 456 | 446 | 444 | 438 | 429 | 417 | 413 | 403 |
| 519 | 4 | M | 461 | 452 | 454 | 456 | 460 | 454 | 439 | 446 | 452 | 448 | 450 | 445 | 442 | 428 | 429 | 421 | 411 | 400 | 328 | --- |
| 520 | 4 | M | 472 | 484 | 481 | 482 | 487 | 488 | 483 | 484 | 484 | 486 | 478 | 474 | 468 | 461 | 462 | 457 | 446 | 433 | 429 | 421 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 4 | M | 397 | 404 | 400 | 395 | 398 | 389 | 377 | 378 | 377 | 372 | 371 | 366 | 364 | 367 | 360 | 366 | 359 | 358 | 353 | 347 |
| 522 | 4 | M | 411 | 405 | 400 | 402 | 403 | 392 | 398 | 398 | 403 | 399 | 404 | 402 | 390 | 336 | --- | --- | --- | --- | --- | --- |
| 523 | 4 | M | 421 | 416 | 406 | 411 | 409 | 403 | 387 | 399 | 396 | 394 | 397 | 402 | 392 | 398 | 399 | 389 | 392 | 384 | 368 | 362 |
| 524 | 4 | M | 424 | 422 | 418 | 420 | 420 | 416 | 408 | 408 | 408 | 408 | 403 | 405 | 401 | 400 | 400 | 398 | 394 | 391 | 385 | --- |
| 525 | 4 | M | 435 | 433 | 427 | 430 | 429 | 421 | 405 | 400 | 392 | 396 | 398 | 398 | 393 | 379 | 377 | 366 | 355 | 351 | 279 | --- |
| 526 | 4 | F | 180 | 175 | 176 | 182 | 183 | 186 | 188 | 193 | 196 | 196 | 195 | 197 | 183 | 131 | --- | --- | --- | --- | --- | --- |
| 527 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 528 | 4 | F | 245 | 252 | 250 | 251 | 253 | 260 | 253 | 256 | 257 | 262 | 261 | 267 | 264 | 266 | 261 | 261 | 258 | 268 | 268 | 266 |
| 529 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 530 | 4 | F | 289 | 296 | 307 | 309 | 312 | 305 | 320 | 322 | 327 | 318 | 322 | 327 | 328 | 337 | 329 | 328 | 320 | 275 | 220 | 200 |
| 531 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 532 | 4 | F | 268 | 278 | 277 | 276 | 279 | 282 | 279 | 288 | 286 | 294 | 288 | 295 | 294 | 297 | 300 | 301 | 291 | 287 | 279 | 271 |
| 533 | 4 | F | 240 | 248 | 246 | 241 | 244 | 252 | 246 | 249 | 253 | 258 | 266 | 266 | 267 | 272 | 276 | 279 | 277 | 281 | 280 | 269 |
| 534 | 4 | F | 259 | 262 | 266 | 261 | 267 | 273 | 269 | 274 | 285 | 290 | 293 | 288 | 300 | 304 | 295 | --- | --- | --- | --- | --- |
| 535 | 4 | F | 304 | 309 | 313 | 314 | 318 | 312 | 316 | 322 | 323 | 317 | 323 | 323 | 327 | 326 | 328 | 330 | 329 | 325 | 327 | 327 |
| 536 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 537 | 4 | F | 259 | 270 | 270 | 274 | 277 | 283 | 291 | 288 | 290 | 290 | 292 | 299 | 306 | 303 | 302 | 309 | 304 | 306 | 306 | 305 |
| 538 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 539 | 4 | F | 306 | 313 | 307 | 311 | 310 | 321 | 319 | 320 | 322 | 328 | 334 | 330 | 332 | 340 | 334 | 344 | 337 | 343 | 327 | 293 |
| 540 | 4 | F | 252 | 259 | 252 | 254 | 266 | 272 | 268 | 271 | 275 | 277 | 287 | 282 | 284 | 291 | 297 | 297 | 299 | 302 | 293 | 290 |
| 541 | 4 | F | 261 | 266 | 277 | 277 | 283 | 282 | 285 | 287 | 288 | 289 | 298 | 302 | 290 | 292 | 290 | 293 | 290 | 298 | 293 | 294 |
| 542 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 543 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 544 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 545 | 4 | F | 286 | 294 | 302 | 305 | 305 | 311 | 314 | 316 | 316 | 312 | 313 | 311 | 309 | 297 | 245 | 194 | 206 | 179 | 179 | 187 |
| 546 | 4 | F | 229 | 230 | 228 | 231 | 236 | 236 | 238 | 235 | 229 | 218 | 222 | 214 | 233 | 231 | 229 | 228 | 233 | 229 | 236 | 227 |
| 547 | 4 | F | 262 | 265 | 264 | 262 | 264 | 267 | 266 | 271 | 278 | 271 | 280 | 273 | 288 | 278 | 284 | 289 | 292 | 289 | 291 | 284 |
| 548 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 549 | 4 | F | 314 | 321 | 315 | 317 | 326 | 325 | 329 | 327 | 331 | 324 | 331 | 332 | 330 | 331 | 319 | 315 | 292 | 297 | 280 | 261 |
| 550 | 4 | F | 295 | 301 | 297 | 298 | 297 | 306 | 293 | 297 | 301 | 299 | 302 | 311 | 312 | 316 | 315 | 313 | 329 | 329 | 329 | --- |
| 551 | 4 | F | 237 | 239 | 252 | 250 | 243 | 256 | 257 | 259 | 253 | 251 | 230 | 211 | 161 | --- | --- | --- | --- | --- | --- | --- |
| 552 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 553 | 4 | F | 257 | 256 | 259 | 266 | 271 | 278 | 278 | 281 | 280 | 284 | 280 | 287 | 293 | 296 | 302 | 301 | 300 | 304 | 300 | 299 |
| 554 | 4 | F | 244 | 246 | 248 | 260 | 263 | 267 | 273 | 273 | 277 | 277 | 285 | 290 | 288 | 289 | 292 | 297 | 292 | 291 | 287 | 288 |
| 555 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 556 | 4 | F | 257 | 262 | 270 | 274 | 282 | 282 | 279 | 283 | 283 | 289 | 294 | 298 | 291 | 298 | 300 | 306 | 304 | 300 | 298 | 303 |
| 557 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 558 | 4 | F | 248 | 254 | 245 | 250 | 261 | 260 | 269 | 268 | 269 | 270 | 276 | 271 | 275 | 275 | 286 | 288 | 280 | 287 | 286 | 284 |
| 559 | 4 | F | 256 | 261 | 262 | 270 | 267 | 270 | 274 | 275 | 277 | 279 | 282 | 279 | 280 | 285 | 288 | 287 | 294 | 297 | 296 | 291 |
| 560 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 561 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 562 | 4 | F | 242 | 245 | 251 | 256 | 257 | 258 | 259 | 262 | 263 | 263 | 269 | 264 | 273 | 273 | 278 | 285 | 283 | 288 | 289 | 282 |
| 563 | 4 | F | 264 | 269 | 274 | 272 | 277 | 279 | 274 | 282 | 283 | 281 | 285 | 285 | 293 | 294 | 297 | 300 | 298 | 303 | 297 | 299 |
| 564 | 4 | F | 270 | 273 | 273 | 281 | 283 | 278 | 283 | 281 | 285 | 285 | 284 | 293 | 294 | 294 | 298 | 307 | 302 | 304 | 305 | 304 |
| 565 | 4 | F | 255 | 259 | 255 | 263 | 269 | 254 | 270 | 273 | 268 | 265 | 274 | 277 | 279 | 272 | 282 | 291 | 298 | 296 | 292 | 293 |
| 566 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 567 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 568 | 4 | F | 276 | 283 | 288 | 289 | 301 | 302 | 308 | 310 | 324 | 327 | 344 | 348 | 360 | 367 | 378 | 398 | 383 | 386 | 366 | 347 |
| 569 | 4 | F | 216 | 223 | 226 | 233 | 226 | 227 | 222 | 231 | 234 | 234 | 237 | 243 | 243 | 248 | 246 | 247 | 247 | 251 | 246 | 245 |
| 570 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 571 | 4 | F | 269 | 278 | 277 | 277 | 282 | 288 | 293 | 291 | 298 | 298 | 302 | 309 | 312 | 309 | 319 | 320 | 324 | 329 | 333 | 328 |
| 572 | 4 | F | 284 | 284 | 282 | 291 | 294 | 295 | 295 | 303 | 304 | 302 | 301 | 305 | 306 | 303 | 312 | 312 | 313 | 313 | 304 | 298 |
| 573 | 4 | F | 266 | 271 | 270 | 270 | 269 | 280 | 286 | 282 | 282 | 278 | 291 | 288 | 287 | 295 | 298 | 309 | 296 | 302 | 302 | 298 |
| 574 | 4 | F | 236 | 233 | 228 | 225 | 223 | 224 | 227 | 235 | 238 | 233 | 239 | 245 | 250 | 255 | 252 | 250 | 227 | 236 | 228 | 228 |
| 575 | 4 | F | 246 | 251 | 243 | 248 | 250 | 252 | 257 | 258 | 251 | 257 | 257 | 266 | 264 | 276 | 272 | 267 | 275 | 278 | 274 | 275 |
| 576 | 4 | F | 267 | 276 | 276 | 280 | 277 | 277 | 284 | 280 | 274 | 272 | 278 | 277 | 283 | 283 | 287 | 294 | 305 | 327 | 361 | 229 |
| 577 | 4 | F | 278 | 284 | 279 | 282 | 288 | 283 | 289 | 288 | 294 | 296 | 302 | 298 | 294 | 302 | 302 | 304 | 306 | 311 | 303 | 301 |
| 578 | 4 | F | 240 | 240 | 242 | 243 | 250 | 254 | 246 | 252 | 258 | 260 | 256 | 263 | 271 | 276 | 271 | 276 | 278 | 280 | 279 | 268 |
| 579 | 4 | F | 269 | 272 | 267 | 269 | 265 | 272 | 264 | 265 | 266 | 252 | 242 | 246 | 244 | 233 | 223 | 217 | 229 | 219 | 173 | 168 |
| 580 | 4 | F | 266 | 274 | 280 | 282 | 279 | 261 | 267 | 268 | 268 | 263 | 256 | 254 | 244 | 246 | 247 | 245 | 251 | --- | --- | --- |
| 581 | 4 | F | 256 | 259 | 260 | 270 | 267 | 276 | 262 | 273 | 277 | 271 | 274 | 280 | 285 | 288 | 288 | 296 | 306 | 330 | 344 | 331 |
| 582 | 4 | F | 278 | 284 | 284 | 281 | 285 | 283 | 287 | 286 | 281 | 278 | 278 | 274 | 279 | 276 | 270 | 264 | 212 | 158 | --- | --- |
| 583 | 4 | F | 274 | 278 | 278 | 280 | 290 | 289 | 290 | 269 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 584 | 4 | F | 233 | 239 | 237 | 233 | 240 | 244 | 244 | 241 | 242 | 238 | 240 | 239 | 237 | 240 | 236 | 247 | 231 | 241 | 240 | 234 |
| 585 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 586 | 4 | F | 232 | 227 | 229 | 234 | 242 | 248 | 227 | 229 | 236 | 244 | 248 | 248 | 247 | 252 | 253 | 256 | 251 | 253 | 250 | --- |
| 587 | 4 | F | 289 | 299 | 301 | 306 | 311 | 312 | 309 | 307 | 307 | 317 | 312 | 326 | 328 | 320 | 323 | 319 | 323 | 320 | 327 | 316 |
| 588 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 589 | 4 | F | 263 | 262 | 263 | 269 | 272 | 277 | 279 | 281 | 284 | 280 | 284 | 290 | 294 | 300 | 301 | 306 | 314 | 310 | 309 | 312 |
| 590 | 4 | F | 271 | 280 | 271 | 275 | 285 | 273 | 278 | 284 | 284 | 285 | 293 | 294 | 301 | 304 | 307 | 310 | 300 | 308 | 310 | 304 |
| 591 | 4 | F | 252 | 260 | 257 | 263 | 266 | 268 | 270 | 274 | 274 | 279 | 281 | 281 | 285 | 286 | 293 | 298 | 294 | 291 | 293 | 287 |
| 592 | 4 | F | 263 | 263 | 273 | 277 | 283 | 274 | 279 | 285 | 282 | 289 | 289 | 288 | 290 | 299 | 297 | 302 | 304 | 298 | 291 | 292 |
| 593 | 4 | F | 248 | 262 | 258 | 263 | 269 | 258 | 258 | 270 | 255 | 261 | 264 | 274 | 280 | 289 | 294 | 291 | 292 | 293 | 285 | --- |
| 594 | 4 | F | 254 | 263 | 256 | 266 | 266 | 262 | 263 | 265 | 260 | 263 | 268 | 271 | 274 | 279 | 283 | 284 | 285 | 286 | 284 | 296 |
| 595 | 4 | F | 255 | 274 | 272 | 279 | 284 | 280 | 284 | 294 | 294 | 289 | 299 | 300 | 298 | 305 | 313 | 316 | 327 | 343 | --- | --- |
| 596 | 4 | F | 290 | 294 | 299 | 300 | 305 | 298 | 303 | 304 | 309 | 311 | 323 | 322 | 324 | 329 | 334 | 332 | 330 | 330 | 333 | 321 |
| 597 | 4 | F | 227 | 235 | 236 | 240 | 240 | 244 | 251 | 254 | 254 | 249 | 260 | 257 | 269 | 265 | 269 | 268 | 272 | 274 | 263 | 267 |
| 598 | 4 | F | 256 | 267 | 264 | 270 | 270 | 271 | 273 | 278 | 271 | 280 | 275 | 279 | 283 | 286 | 285 | 284 | 284 | 285 | 287 | 283 |
| 599 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 600 | 4 | F | 292 | 296 | 294 | 304 | 304 | 307 | 308 | 312 | 308 | 310 | 311 | 314 | 311 | 309 | 319 | 327 | 324 | 320 | 323 | 320 |

--- NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 449 | 440 | 432 | 425 | 423 | 423 | 418 | 414 | 414 | 409 | 409 | 404 | 398 | 393 | 390 | 387 | 380 | 365 | 354 | 328 |
| 602 | 5 | M | 408 | 400 | 395 | 393 | 397 | 397 | 393 | 379 | 389 | 369 | 368 | 362 | 376 | 373 | 371 | 365 | 367 | 371 | 364 | 360 |
| 603 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 604 | 5 | M | 366 | 372 | 367 | 367 | 360 | 351 | 353 | 355 | 357 | 346 | 345 | 341 | 340 | 340 | 333 | 331 | 329 | 339 | 327 | 318 |
| 605 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 606 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 607 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 608 | 5 | M | 418 | 415 | 413 | 401 | 397 | 397 | 394 | 385 | 392 | 385 | 387 | 375 | 384 | 381 | 372 | 364 | 355 | 348 | 324 | 317 |
| 609 | 5 | M | 408 | 407 | 403 | 396 | 389 | 385 | 381 | 387 | 387 | 381 | 378 | 376 | 379 | 374 | 368 | 365 | 361 | 359 | 360 | 347 |
| 610 | 5 | M | 359 | 362 | 357 | 352 | 351 | 342 | 344 | 346 | 342 | 342 | 342 | 344 | 343 | 340 | 332 | 336 | 334 | 334 | 325 | 335 |
| 611 | 5 | M | 429 | 423 | 414 | 406 | 408 | 402 | 399 | 391 | 391 | 392 | 387 | 389 | 387 | 381 | 380 | 374 | 370 | 371 | 353 | 357 |
| 612 | 5 | M | 408 | 403 | 401 | 398 | 395 | 386 | 383 | 396 | 380 | 392 | 392 | 382 | 380 | 380 | 367 | 366 | 371 | 360 | 348 | 349 |
| 613 | 5 | M | 394 | 399 | 398 | 391 | 383 | 386 | 370 | 383 | 382 | 371 | 369 | 358 | 359 | 356 | 358 | 364 | 319 | 332 | 321 | 290 |
| 614 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 615 | 5 | M | 405 | 403 | 406 | 401 | 402 | 396 | 390 | 390 | 383 | 382 | 375 | 345 | 372 | 369 | 358 | 359 | 357 | 319 | 293 | 296 |
| 616 | 5 | M | 412 | 410 | 404 | 398 | 391 | 390 | 381 | 385 | 380 | 377 | 374 | 370 | 366 | 364 | 342 | 343 | 330 | 318 | 252 | 226 |
| 617 | 5 | M | 395 | 394 | 383 | 369 | 371 | 370 | 374 | 373 | 374 | 366 | 373 | 357 | 365 | 368 | 367 | 359 | 346 | 351 | 354 | 346 |
| 618 | 5 | M | 386 | 390 | 383 | 381 | 384 | 377 | 368 | 371 | 380 | 367 | 370 | 364 | 361 | 363 | 358 | 352 | 348 | 330 | 301 | 247 |
| 619 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 620 | 5 | M | 412 | 404 | 403 | 397 | 396 | 396 | 394 | 398 | 394 | 391 | 387 | 382 | 378 | 375 | 369 | 364 | 364 | 360 | 356 | 338 |
| 621 | 5 | M | 374 | 379 | 380 | 380 | 378 | 375 | 369 | 365 | 370 | 359 | 355 | 349 | 347 | 348 | 345 | 334 | 329 | 329 | 314 | 291 |
| 622 | 5 | M | 374 | 375 | 368 | 371 | 369 | 372 | 355 | 358 | 360 | 351 | 350 | 350 | 349 | 348 | 340 | 344 | 345 | 337 | 334 | 290 |
| 623 | 5 | M | 412 | 413 | 400 | 389 | 381 | 374 | 375 | 373 | 372 | 370 | 377 | 370 | 374 | 371 | 370 | 371 | 356 | 358 | 347 | 329 |
| 624 | 5 | M | 396 | 385 | 380 | 381 | 379 | 378 | 375 | 377 | 372 | 368 | 366 | 362 | 366 | 355 | 353 | 351 | 349 | 339 | 339 | 335 |
| 625 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 626 | 5 | M | 399 | 390 | 386 | 387 | 382 | 361 | 376 | 373 | 372 | 370 | 360 | 362 | 364 | 357 | 342 | 336 | 331 | 303 | 230 | 221 |
| 627 | 5 | M | 392 | 398 | 392 | 389 | 386 | 382 | 381 | 383 | 376 | 374 | 381 | 387 | 392 | 383 | 353 | 226 | --- | --- | --- | --- |
| 628 | 5 | M | 301 | 286 | 248 | 208 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 629 | 5 | M | 401 | 398 | 397 | 388 | 387 | 386 | 377 | 380 | 385 | 377 | 378 | 380 | 387 | 373 | 371 | 352 | 348 | 324 | 332 | 331 |
| 630 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 631 | 5 | M | 398 | 401 | 389 | 392 | 384 | 382 | 382 | 373 | 374 | 360 | 355 | 348 | 346 | 318 | 274 | 235 | 226 | --- | --- | --- |
| 632 | 5 | M | 379 | 380 | 371 | 365 | 362 | 352 | 354 | 354 | 352 | 346 | 343 | 341 | 347 | 335 | 344 | 342 | 348 | 352 | 352 | --- |
| 633 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 634 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 635 | 5 | M | 371 | 366 | 357 | 355 | 353 | 353 | 349 | 345 | 342 | 343 | 344 | 343 | 349 | 341 | 334 | 326 | 320 | 320 | 311 | 309 |
| 636 | 5 | M | 344 | 346 | 341 | 338 | 342 | 344 | 334 | 333 | 324 | 322 | 302 | 265 | 224 | --- | --- | --- | --- | --- | --- | --- |
| 637 | 5 | M | 384 | 382 | 380 | 374 | 382 | 382 | 376 | 385 | 379 | 375 | 376 | 374 | 375 | 371 | 372 | 376 | 368 | 361 | 356 | 358 |
| 638 | 5 | M | 377 | 383 | 376 | 373 | 372 | 365 | 367 | 365 | 366 | 355 | 352 | 359 | 359 | 356 | 351 | 353 | 355 | 349 | 335 | 336 |
| 639 | 5 | M | 401 | 398 | 394 | 394 | 398 | 391 | 386 | 379 | 381 | 376 | 378 | 374 | 367 | 371 | 341 | 355 | 347 | 340 | 340 | 339 |
| 640 | 5 | M | 381 | 387 | 383 | 377 | 381 | 370 | 367 | 374 | 372 | 370 | 364 | 369 | 364 | 357 | 350 | 335 | 309 | 270 | 243 | 231 |

--- - NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
| 641 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 642 | 5 | M | 395 | 409 | 407 | 400 | 403 | 408 | 403 | 395 | 382 | 398 | 394 | 389 | 388 | 380 | 376 | 369 | 376 | 340 | 348 | --- |
| 643 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 644 | 5 | M | 389 | 391 | 383 | 386 | 385 | 382 | 374 | 376 | 380 | 373 | 368 | 357 | 370 | 373 | 346 | 348 | 343 | 335 | 319 | --- |
| 645 | 5 | M | 398 | 397 | 389 | 386 | 391 | 381 | 374 | 376 | 375 | 368 | 368 | 357 | 362 | 355 | 348 | 345 | 330 | 322 | 300 | 292 |
| 646 | 5 | M | 387 | 386 | 378 | 381 | 375 | 373 | 364 | 364 | 364 | 362 | 360 | 359 | 357 | 356 | 354 | 350 | 346 | 342 | 342 | 337 |
| 647 | 5 | M | 365 | 365 | 364 | 365 | 363 | 361 | 360 | 357 | 364 | 359 | 358 | 349 | 346 | 344 | 350 | 343 | 355 | 346 | 343 | 340 |
| 648 | 5 | M | 422 | 418 | 411 | 408 | 412 | 408 | 402 | 398 | 405 | 395 | 395 | 390 | 385 | 378 | 375 | 378 | 368 | 359 | 344 | 326 |
| 649 | 5 | M | 417 | 410 | 402 | 391 | 392 | 381 | 381 | 371 | 360 | 323 | 260 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 650 | 5 | M | 345 | 349 | 347 | 349 | 349 | 355 | 353 | 356 | 360 | 354 | 352 | 336 | 326 | 297 | 188 | --- | --- | --- | --- | --- |
| 651 | 5 | M | 412 | 412 | 402 | 403 | 396 | 396 | 392 | 399 | 402 | 388 | 389 | 385 | 381 | 375 | 364 | 367 | 360 | 352 | 349 | 345 |
| 652 | 5 | M | 383 | 381 | 376 | 378 | 378 | 373 | 369 | 371 | 370 | 373 | 369 | 366 | 365 | 359 | 358 | 355 | 351 | 359 | 347 | 344 |
| 653 | 5 | M | 393 | 393 | 383 | 381 | 387 | 376 | 370 | 370 | 369 | 368 | 366 | 365 | 368 | 361 | 359 | 355 | 355 | 348 | 278 | 258 |
| 654 | 5 | M | 377 | 376 | 369 | 368 | 369 | 367 | 365 | 362 | 366 | 361 | 355 | 358 | 356 | 350 | 349 | 310 | 247 | --- | --- | --- |
| 655 | 5 | M | 411 | 412 | 405 | 405 | 398 | 399 | 389 | 381 | 383 | 364 | 369 | 368 | 358 | 355 | 341 | 337 | 330 | 289 | --- | --- |
| 656 | 5 | M | 320 | 321 | 315 | 310 | 314 | 308 | 309 | 312 | 307 | 286 | 296 | 300 | 291 | 291 | 290 | 255 | 275 | 265 | 233 | 211 |
| 657 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 658 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 659 | 5 | M | 396 | 390 | 388 | 388 | 375 | 374 | 378 | 371 | 365 | 358 | 360 | 357 | 349 | 351 | 347 | 344 | 342 | 340 | 341 | 334 |
| 660 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 661 | 5 | M | 384 | 385 | 380 | 378 | 379 | 378 | 368 | 379 | 371 | 371 | 367 | 362 | 364 | 360 | 346 | 336 | 342 | 343 | 332 | 319 |
| 662 | 5 | M | 423 | 423 | 421 | 422 | 417 | 415 | 411 | 409 | 406 | 403 | 391 | 388 | 384 | 378 | 371 | 367 | 358 | 350 | 333 | 319 |
| 663 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 664 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 665 | 5 | M | 377 | 377 | 371 | 369 | 372 | 371 | 363 | 366 | 362 | 354 | 354 | 347 | 353 | 332 | 336 | 330 | 328 | 320 | 313 | 298 |
| 666 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 667 | 5 | M | 427 | 434 | 414 | 418 | 422 | 424 | 408 | 407 | 393 | 387 | 383 | 385 | 374 | 369 | 374 | 366 | 361 | 350 | 340 | 320 |
| 668 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 669 | 5 | M | 373 | 373 | 376 | 365 | 368 | 367 | 362 | 363 | 360 | 359 | 352 | 354 | 360 | 349 | 348 | 351 | 341 | 341 | 336 | 329 |
| 670 | 5 | M | 394 | 398 | 391 | 389 | 385 | 372 | 370 | 366 | 365 | 356 | 355 | 352 | 338 | 335 | 327 | 331 | --- | --- | --- | --- |
| 671 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 672 | 5 | M | 368 | 364 | 359 | 357 | 353 | 350 | 353 | 357 | 348 | 348 | 346 | 350 | 337 | 332 | 320 | --- | --- | --- | --- | --- |
| 673 | 5 | M | 384 | 381 | 381 | 375 | 372 | 369 | 370 | 370 | 368 | 369 | 369 | 368 | 368 | 365 | 363 | 361 | 363 | 352 | 350 | 358 |
| 674 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 675 | 5 | M | 435 | 438 | 424 | 420 | 419 | 408 | 407 | 403 | 410 | 401 | 400 | 400 | 398 | 388 | 385 | 382 | 364 | 361 | --- | --- |
| 676 | 5 | F | 227 | 234 | 234 | 239 | 244 | 245 | 241 | 249 | 252 | 254 | 253 | 261 | 263 | 262 | 264 | 273 | 268 | 276 | 268 | 269 |
| 677 | 5 | F | 210 | 223 | 224 | 221 | 215 | 217 | 221 | 226 | 228 | 225 | 227 | 230 | 228 | 232 | 237 | 234 | 233 | 232 | 230 | 236 |
| 678 | 5 | F | 218 | 235 | 234 | 238 | 229 | 236 | 241 | 238 | 240 | 239 | 232 | 216 | 215 | 220 | 197 | --- | --- | --- | --- | --- |
| 679 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 680 | 5 | F | 225 | 227 | 228 | 232 | 233 | 233 | 239 | 240 | 245 | 242 | 250 | 258 | 262 | 264 | 266 | 276 | 288 | 291 | 313 | 323 |

--- = NO AVAILABLE DATA

Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO | TRT GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 681 | 5 | F | 222 | 223 | 226 | 222 | 227 | 226 | 226 | 228 | 231 | 233 | 237 | 232 | 231 | 210 | 230 | 236 | 235 | 239 | 231 | 227 |
| 682 | 5 | F | 206 | 208 | 209 | 207 | 213 | 212 | 206 | 217 | 213 | 216 | 218 | 222 | 220 | 223 | 222 | 224 | 227 | 227 | 227 | 223 |
| 683 | 5 | F | 196 | 201 | 201 | 201 | 202 | 205 | 202 | 215 | 214 | 224 | 225 | 227 | 231 | 230 | 229 | 232 | 231 | 235 | 235 | 219 |
| 684 | 5 | F | 203 | 207 | 199 | 203 | 201 | 201 | 209 | 207 | 219 | 221 | 222 | 229 | 229 | 232 | 231 | 231 | 239 | 245 | 255 | 261 |
| 685 | 5 | F | 222 | 228 | 227 | 227 | 235 | 227 | 233 | 239 | 249 | 248 | 238 | 239 | 232 | 227 | 234 | 220 | 222 | --- | --- | --- |
| 686 | 5 | F | 216 | 220 | 223 | 222 | 228 | 226 | 223 | 232 | 239 | 238 | 236 | 237 | 244 | 249 | 245 | 246 | 245 | 248 | 244 | --- |
| 687 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 688 | 5 | F | 229 | 230 | 233 | 232 | 237 | 239 | 244 | 248 | 250 | 250 | 248 | 250 | 252 | 256 | 251 | 252 | 250 | 260 | 255 | 255 |
| 689 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 690 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 691 | 5 | F | 221 | 223 | 223 | 219 | 219 | 228 | 225 | 218 | 235 | 234 | 236 | 242 | 246 | 241 | 241 | 245 | 241 | 248 | 244 | 237 |
| 692 | 5 | F | 250 | 248 | 247 | 251 | 260 | 254 | 254 | 257 | 262 | 258 | 256 | 253 | 264 | 266 | 273 | 265 | 222 | 239 | 252 | 237 |
| 693 | 5 | F | 252 | 259 | 256 | 247 | 246 | 237 | 224 | 224 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 694 | 5 | F | 227 | 229 | 231 | 227 | 230 | 228 | 238 | 239 | 242 | 237 | 242 | 241 | 243 | 239 | 239 | 238 | 236 | 240 | 237 | 238 |
| 695 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 696 | 5 | F | 209 | 211 | 219 | 212 | 217 | 221 | 222 | 226 | 213 | 206 | 222 | 212 | 212 | 208 | 218 | 224 | 216 | 229 | 229 | 218 |
| 697 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 698 | 5 | F | 233 | 241 | 235 | 236 | 240 | 243 | 244 | 249 | 254 | 256 | 264 | 265 | 267 | 277 | 276 | 279 | 274 | 278 | 278 | 280 |
| 699 | 5 | F | 242 | 247 | 249 | 251 | 262 | 271 | 283 | 287 | 304 | 310 | 313 | 315 | 301 | 339 | 361 | 361 | 382 | 391 | 389 | 398 |
| 700 | 5 | F | 223 | 227 | 221 | 226 | 227 | 230 | 230 | 234 | 233 | 235 | 238 | 238 | 243 | 247 | 244 | 246 | 239 | 246 | 244 | 247 |
| 701 | 5 | F | 220 | 218 | 209 | 218 | 217 | 219 | 216 | 227 | 227 | 224 | 222 | 220 | 222 | 228 | 225 | 224 | 222 | 222 | 226 | 228 |
| 702 | 5 | F | 210 | 212 | 215 | 207 | 214 | 213 | 220 | 227 | 223 | 223 | 224 | 220 | 223 | 230 | 228 | 231 | 228 | 227 | 232 | 234 |
| 703 | 5 | F | 229 | 236 | 235 | 235 | 239 | 242 | 236 | 244 | 245 | 248 | 251 | 258 | 263 | 257 | 263 | 257 | 261 | 260 | 254 | 254 |
| 704 | 5 | F | 192 | 194 | 196 | 195 | 197 | 195 | 199 | 195 | 200 | 204 | 206 | 214 | 215 | 215 | 212 | 214 | 216 | 220 | 218 | 219 |
| 705 | 5 | F | 208 | 207 | 205 | 210 | 210 | 206 | 211 | 213 | 215 | 218 | 221 | 220 | 226 | 231 | 227 | 231 | 226 | 229 | 232 | 229 |
| 706 | 5 | F | 194 | 202 | 196 | 193 | 196 | 198 | 203 | 204 | 209 | 200 | 212 | 195 | 190 | 195 | 193 | 190 | 170 | 170 | --- | --- |
| 707 | 5 | F | 204 | 210 | 203 | 207 | 209 | 210 | 205 | 207 | 211 | 195 | 214 | 206 | 213 | 217 | 215 | 216 | 214 | 206 | 186 | 185 |
| 708 | 5 | F | 218 | 228 | 224 | 224 | 227 | 232 | 226 | 230 | 229 | 227 | 235 | 234 | 230 | 241 | 239 | 239 | 233 | 226 | --- | --- |
| 709 | 5 | F | 216 | 223 | 223 | 227 | 229 | 222 | 224 | 232 | 234 | 233 | 235 | 238 | 236 | 238 | 241 | 247 | 243 | 243 | 240 | 243 |
| 710 | 5 | F | 222 | 228 | 224 | 224 | 229 | 230 | 232 | 242 | 242 | 248 | 250 | 249 | 247 | 248 | 247 | 251 | 242 | 256 | 256 | 245 |
| 711 | 5 | F | 228 | 238 | 232 | 236 | 234 | 230 | 237 | 229 | 236 | 236 | 238 | 241 | 234 | 242 | 244 | 240 | 228 | 232 | 234 | 227 |
| 712 | 5 | F | 196 | 203 | 204 | 202 | 204 | 212 | 210 | 208 | 206 | 208 | 214 | 217 | 221 | 220 | 204 | 207 | 195 | 191 | 176 | 201 |
| 713 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 714 | 5 | F | 213 | 220 | 220 | 224 | 220 | 223 | 230 | 231 | 235 | 237 | 243 | 244 | 247 | 249 | 244 | 243 | 244 | 245 | 246 | 242 |
| 715 | 5 | F | 236 | 241 | 244 | 244 | 243 | 246 | 247 | 240 | 247 | 246 | 251 | 248 | 247 | 248 | 248 | 250 | 240 | 230 | 228 | 223 |
| 716 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 717 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 718 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 719 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 720 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

# Table VI.2 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL BODY WEIGHT MEASUREMENTS (grams)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 721 | 5 | F | 239 | 246 | 243 | 252 | 250 | 258 | 267 | 274 | 286 | 298 | 304 | 310 | 332 | --- | --- | --- | --- | --- | --- | --- |
| 722 | 5 | F | 260 | 264 | 264 | 266 | 270 | 272 | 269 | 275 | 277 | 277 | 278 | 271 | 278 | 281 | 279 | 278 | 262 | 272 | 275 | 275 |
| 723 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 724 | 5 | F | 228 | 237 | 240 | 236 | 232 | 235 | 235 | 242 | 241 | 246 | 246 | 245 | 247 | 243 | 252 | 249 | 256 | 253 | 253 | 251 |
| 725 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 726 | 5 | F | 223 | 232 | 224 | 222 | 223 | 218 | 218 | 228 | 228 | 230 | 227 | 230 | 229 | 233 | 238 | 242 | 236 | 242 | 232 | 232 |
| 727 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 728 | 5 | F | 233 | 242 | 239 | 240 | 244 | 246 | 255 | 258 | 252 | 253 | 264 | 262 | 261 | 260 | 263 | 270 | 269 | 268 | 267 | 263 |
| 729 | 5 | F | 222 | 228 | 226 | 228 | 230 | 231 | 230 | 231 | 232 | 237 | 240 | 233 | 232 | 228 | 229 | 238 | 230 | 236 | 228 | 206 |
| 730 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 731 | 5 | F | 210 | 216 | 219 | 225 | 223 | 222 | 219 | 221 | 228 | 223 | 229 | 222 | 225 | 233 | 233 | 222 | 230 | 228 | 235 | --- |
| 732 | 5 | F | 206 | 211 | 209 | 210 | 209 | 212 | 217 | 216 | 214 | 215 | 217 | 216 | 217 | 221 | 218 | 216 | 217 | 221 | 222 | 219 |
| 733 | 5 | F | 223 | 232 | 232 | 230 | 231 | 227 | 228 | 230 | 236 | 231 | 232 | 239 | 238 | 245 | 240 | 238 | 240 | 241 | 244 | 242 |
| 734 | 5 | F | 236 | 245 | 247 | 255 | 255 | 255 | 254 | 259 | 257 | 256 | 262 | 261 | 262 | 266 | 260 | 254 | 204 | --- | --- | --- |
| 735 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 736 | 5 | F | 212 | 222 | 217 | 221 | 218 | 214 | 217 | 221 | 220 | 224 | 228 | 230 | 236 | 237 | 237 | 241 | 240 | 235 | 240 | 237 |
| 737 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 738 | 5 | F | 234 | 244 | 237 | 242 | 243 | 243 | 249 | 252 | 249 | 249 | 255 | 249 | 258 | 266 | 264 | 271 | 267 | 265 | 255 | 254 |
| 739 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 740 | 5 | F | 216 | 226 | 223 | 225 | 229 | 231 | 230 | 239 | 237 | 236 | 239 | 238 | 240 | 241 | 236 | 231 | 231 | 230 | 226 | 232 |
| 741 | 5 | F | 239 | 249 | 252 | 251 | 254 | 256 | 261 | 260 | 261 | 257 | 250 | 255 | 261 | 261 | 267 | 274 | 265 | 268 | 256 | 264 |
| 742 | 5 | F | 218 | 222 | 226 | 231 | 231 | 235 | 238 | 244 | 241 | 252 | 251 | 254 | 255 | 253 | 254 | 254 | 255 | 257 | 259 | 251 |
| 743 | 5 | F | 213 | 216 | 214 | 220 | 226 | 234 | 232 | 224 | 225 | 230 | 230 | 232 | 231 | 237 | 232 | 233 | 238 | 234 | 234 | 233 |
| 744 | 5 | F | 209 | 217 | 214 | 217 | 219 | 224 | 223 | 223 | 230 | 234 | 237 | 233 | 235 | 245 | 241 | 242 | 242 | 246 | 240 | 273 |
| 745 | 5 | F | 215 | 222 | 220 | 222 | 228 | 229 | 232 | 226 | 228 | 225 | 228 | 232 | 225 | 227 | 223 | 228 | 219 | 216 | 221 | 211 |
| 746 | 5 | F | 227 | 232 | 227 | 233 | 236 | 234 | 234 | 239 | 241 | 238 | 243 | 249 | 246 | 244 | 243 | 244 | 241 | 247 | 244 | 239 |
| 747 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 748 | 5 | F | 231 | 234 | 242 | 242 | 245 | 244 | 248 | 252 | 255 | 256 | 263 | 268 | 270 | 271 | 267 | 267 | 267 | 258 | 255 | --- |
| 749 | 5 | F | 238 | 246 | 241 | 236 | 245 | 245 | 245 | 254 | 258 | 261 | 264 | 265 | 270 | 274 | 269 | 266 | 271 | 273 | 269 | 269 |
| 750 | 5 | F | 201 | 205 | 203 | 204 | 205 | 209 | 205 | 211 | 213 | 221 | 221 | 223 | 224 | 228 | 224 | 223 | 226 | 230 | 231 | 228 |

--- = NO AVAILABLE DATA

## Table VI.3

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | M | 14.8 | 15.5 | 16.8 | 17.3 | 17.9 | 17.0 | 17.1 | 17.5 | 16.2 | 17.6 | 16.8 | 15.9 | 15.3 | 16.0 | 15.3 | 15.7 | 15.4 | 15.9 | 16.0 | 16.5 | 16.3 |
| 2 | 1 | M | 14.8 | 15.5 | 16.8 | 17.3 | 17.9 | 17.0 | 17.1 | 17.5 | 16.2 | 17.6 | 16.8 | 15.9 | 15.3 | 16.0 | 15.3 | 15.7 | 15.4 | 15.9 | 16.0 | 16.5 | 16.3 |
| 3 | 1 | M | 14.8 | 15.5 | 16.8 | 17.3 | 17.9 | 17.0 | 17.1 | 17.5 | 16.2 | 17.6 | 16.8 | 15.9 | 15.3 | 16.0 | 15.3 | 15.7 | 15.4 | 15.9 | 16.0 | 16.5 | 16.3 |
| 4 | 1 | M | 13.6 | 14.6 | 16.3 | 16.5 | 17.2 | 17.3 | 17.1 | 17.2 | 15.9 | 17.3 | 16.7 | 16.5 | 16.8 | 17.3 | 16.0 | 16.6 | 15.9 | 16.1 | 16.0 | 16.1 | 16.3 |
| 5 | 1 | M | 13.6 | 14.6 | 16.3 | 16.5 | 17.2 | 17.3 | 17.1 | 17.2 | 15.9 | 17.3 | 16.7 | 16.5 | 16.8 | 17.3 | 16.0 | 16.6 | 15.9 | 16.1 | 16.0 | 16.1 | 16.3 |
| 6 | 1 | M | 13.6 | 14.6 | 16.3 | 16.5 | 17.2 | 17.3 | 17.1 | 17.2 | 15.9 | 17.3 | 16.7 | 16.5 | 16.8 | 17.3 | 16.0 | 16.6 | 15.9 | 16.1 | 16.0 | 16.1 | 16.3 |
| 7 | 1 | M | 13.7 | 10.5 | 16.6 | 16.4 | 17.7 | 17.8 | 17.4 | 17.0 | 16.8 | 17.4 | 16.9 | 16.8 | 17.5 | 17.0 | 17.0 | 17.3 | 16.3 | 16.6 | 16.8 | 16.6 | 17.0 |
| 8 | 1 | M | 13.7 | 10.5 | 16.6 | 16.4 | 17.7 | 17.8 | 17.4 | 17.0 | 16.8 | 17.4 | 16.9 | 16.8 | 17.5 | 17.0 | 17.0 | 17.3 | 16.3 | 16.6 | 16.8 | 16.6 | 17.0 |
| 9 | 1 | M | 13.7 | 10.5 | 16.6 | 16.4 | 17.7 | 17.8 | 17.4 | 17.0 | 16.8 | 17.4 | 16.9 | 16.8 | 17.5 | 17.0 | 17.0 | 17.3 | 16.3 | 16.6 | 16.8 | 16.6 | 17.0 |
| 10 | 1 | M | 13.9 | 15.2 | 15.7 | 15.9 | 16.9 | 15.4 | 16.2 | 15.6 | 15.3 | 16.1 | 16.1 | 15.7 | 15.6 | 16.2 | 15.4 | 16.0 | 16.1 | 15.6 | 15.3 | 15.8 | 16.6 |
| 11 | 1 | M | 13.9 | 15.2 | 15.7 | 15.9 | 16.9 | 15.4 | 16.2 | 15.6 | 15.3 | 16.1 | 16.1 | 15.7 | 15.6 | 16.2 | 15.4 | 16.0 | 16.1 | 15.6 | 15.3 | 15.8 | 16.6 |
| 12 | 1 | M | 13.9 | 15.2 | 15.7 | 15.9 | 16.9 | 15.4 | 16.2 | 15.6 | 15.3 | 16.1 | 16.1 | 15.7 | 15.6 | 16.2 | 15.4 | 16.0 | 16.1 | 15.6 | 15.3 | 15.8 | 16.6 |
| 13 | 1 | M | 14.2 | 15.0 | 16.1 | 15.3 | 16.6 | 16.4 | 16.7 | 16.1 | 15.6 | 16.5 | 16.9 | 16.6 | 16.6 | 16.5 | 15.7 | 16.2 | 16.0 | 15.7 | 16.1 | 16.3 | 16.3 |
| 14 | 1 | M | 14.2 | 15.0 | 16.1 | 15.3 | 16.6 | 16.4 | 16.7 | 16.1 | 15.6 | 16.5 | 16.9 | 16.6 | 16.6 | 16.5 | 15.7 | 16.2 | 16.0 | 15.7 | 16.1 | 16.3 | 16.3 |
| 15 | 1 | M | 14.2 | 15.0 | 16.1 | 15.3 | 16.6 | 16.4 | 16.7 | 16.1 | 15.6 | 16.5 | 16.9 | 16.6 | 16.6 | 16.5 | 15.7 | 16.2 | 16.0 | 15.7 | 16.1 | 16.3 | 16.3 |
| 16 | 1 | M | 13.7 | 15.1 | 16.4 | 15.6 | 18.1 | 16.5 | 17.8 | 17.8 | 17.6 | 16.8 | 16.0 | 16.4 | 16.9 | 16.5 | 16.0 | 16.4 | 16.0 | 16.4 | 16.3 | 17.1 | 16.2 |
| 17 | 1 | M | 13.7 | 15.1 | 16.4 | 15.6 | 18.1 | 16.5 | 17.8 | 17.8 | 17.6 | 16.8 | 16.0 | 16.4 | 16.9 | 16.5 | 16.0 | 16.4 | 16.0 | 16.4 | 16.3 | 17.1 | 16.2 |
| 18 | 1 | M | 13.7 | 15.1 | 16.4 | 15.6 | 18.1 | 16.5 | 17.8 | 17.8 | 17.6 | 16.8 | 16.0 | 16.4 | 16.9 | 16.5 | 16.0 | 16.4 | 16.0 | 16.4 | 16.3 | 17.1 | 16.2 |
| 19 | 1 | M | 13.5 | 14.1 | 16.1 | 16.6 | 16.3 | 15.8 | 16.1 | 16.4 | 18.7 | 16.7 | 16.7 | 17.0 | 15.8 | 15.8 | 15.8 | 16.2 | 15.7 | 17.0 | 16.0 | 15.5 | 15.7 |
| 20 | 1 | M | 13.5 | 14.1 | 16.1 | 16.6 | 16.3 | 15.8 | 16.1 | 16.4 | 18.7 | 16.7 | 16.7 | 17.0 | 15.8 | 15.8 | 15.8 | 16.2 | 15.7 | 17.0 | 16.0 | 15.5 | 15.7 |
| 21 | 1 | M | 13.5 | 14.1 | 16.1 | 16.6 | 16.3 | 15.8 | 16.1 | 16.4 | 18.7 | 16.7 | 16.7 | 17.0 | 15.8 | 15.8 | 15.8 | 16.2 | 15.7 | 17.0 | 16.0 | 15.5 | 15.7 |
| 22 | 1 | M | 12.3 | 13.8 | 15.0 | 15.0 | 16.0 | 16.2 | 16.7 | 17.1 | 14.7 | 16.0 | 16.5 | 16.7 | 16.2 | 16.7 | 16.5 | 16.1 | 15.3 | 14.7 | 14.5 | 15.1 | 14.7 |
| 23 | 1 | M | 12.3 | 13.8 | 15.0 | 15.0 | 16.0 | 16.2 | 16.7 | 17.1 | 14.7 | 16.0 | 16.5 | 16.7 | 16.2 | 16.7 | 16.5 | 16.1 | 15.3 | 14.7 | 14.5 | 15.1 | 14.7 |
| 24 | 1 | M | 12.3 | 13.8 | 15.0 | 15.0 | 16.0 | 16.2 | 16.7 | 17.1 | 14.7 | 16.0 | 16.5 | 16.7 | 16.2 | 16.7 | 16.5 | 16.1 | 15.3 | 14.7 | 14.5 | 15.1 | 14.7 |
| 25 | 1 | M | 14.0 | 15.9 | 16.8 | 16.7 | 17.2 | 16.8 | 17.0 | 17.1 | 15.6 | 16.1 | 15.7 | 15.4 | 15.3 | 15.5 | 15.4 | 15.5 | 14.9 | 15.0 | 15.2 | 15.7 | 15.2 |
| 26 | 1 | M | 14.0 | 15.9 | 16.8 | 16.7 | 17.2 | 16.8 | 17.0 | 17.1 | 15.6 | 16.1 | 15.7 | 15.4 | 15.3 | 15.5 | 15.4 | 15.5 | 14.9 | 15.0 | 15.2 | 15.7 | 15.2 |
| 27 | 1 | M | 14.0 | 15.9 | 16.8 | 16.7 | 17.2 | 16.8 | 17.0 | 17.1 | 15.6 | 16.1 | 15.7 | 15.4 | 15.3 | 15.5 | 15.4 | 15.5 | 14.9 | 15.0 | 15.2 | 15.7 | 15.2 |
| 28 | 1 | M | 13.6 | 15.8 | 16.5 | 16.5 | 16.9 | 16.4 | 17.0 | 17.5 | 16.5 | 16.7 | 16.4 | 16.3 | 15.3 | 16.2 | 16.0 | 16.4 | 15.9 | 14.1 | 15.9 | 16.0 | 15.1 |
| 29 | 1 | M | 13.6 | 15.8 | 16.5 | 16.5 | 16.9 | 16.4 | 17.0 | 17.5 | 16.5 | 16.7 | 16.4 | 16.3 | 15.3 | 16.2 | 16.0 | 16.4 | 15.9 | 14.1 | 15.9 | 16.0 | 15.1 |
| 30 | 1 | M | 13.6 | 15.8 | 16.5 | 16.5 | 16.9 | 16.4 | 17.0 | 17.5 | 16.5 | 16.7 | 16.4 | 16.3 | 15.3 | 16.2 | 16.0 | 16.4 | 15.9 | 14.1 | 15.9 | 16.0 | 15.1 |
| 31 | 1 | M | 14.0 | 15.7 | 15.1 | 15.6 | 15.2 | 15.4 | 15.8 | 16.1 | 15.2 | 16.0 | 16.1 | 16.1 | 15.9 | 16.0 | 16.2 | 16.0 | 16.1 | 17.3 | 16.0 | 16.0 | 15.6 |
| 32 | 1 | M | 14.0 | 15.7 | 15.1 | 15.6 | 15.2 | 15.4 | 15.8 | 16.1 | 15.2 | 16.0 | 16.1 | 16.1 | 15.9 | 16.0 | 16.2 | 16.0 | 16.1 | 17.3 | 16.0 | 16.0 | 15.6 |
| 33 | 1 | M | 14.0 | 15.7 | 15.1 | 15.6 | 15.2 | 15.4 | 15.8 | 16.1 | 15.2 | 16.0 | 16.1 | 16.1 | 15.9 | 16.0 | 16.2 | 16.0 | 16.1 | 17.3 | 16.0 | 16.0 | 15.6 |
| 34 | 1 | M | 14.5 | 15.7 | 16.4 | 16.6 | 17.1 | 17.6 | 17.1 | 17.1 | 16.8 | 16.9 | 16.6 | 16.8 | 16.4 | 17.0 | 16.7 | 16.3 | 16.3 | 16.5 | 16.4 | 16.5 | 16.1 |
| 35 | 1 | M | 14.5 | 15.7 | 16.4 | 16.6 | 17.1 | 17.6 | 17.1 | 17.1 | 16.8 | 16.9 | 16.6 | 16.8 | 16.4 | 17.0 | 16.7 | 16.3 | 16.3 | 16.5 | 16.4 | 16.5 | 16.1 |
| 36 | 1 | M | 14.5 | 15.7 | 16.4 | 16.6 | 17.1 | 17.6 | 17.1 | 17.1 | 16.8 | 16.9 | 16.6 | 16.8 | 16.4 | 17.0 | 16.7 | 16.3 | 16.3 | 16.5 | 16.4 | 16.5 | 16.1 |
| 37 | 1 | M | 14.6 | 16.5 | 17.1 | 15.3 | 17.0 | 17.1 | 17.0 | 17.0 | 12.1 | 17.2 | 16.8 | 16.9 | 16.8 | 16.4 | 17.4 | 16.8 | 16.6 | 16.6 | 16.6 | 17.6 | 16.5 |
| 38 | 1 | M | 14.6 | 16.5 | 17.1 | 15.3 | 17.0 | 17.1 | 17.0 | 17.0 | 12.1 | 17.2 | 16.8 | 16.9 | 16.8 | 16.4 | 17.4 | 16.8 | 16.6 | 16.6 | 16.6 | 17.6 | 16.5 |
| 39 | 1 | M | 14.6 | 16.5 | 17.1 | 15.3 | 17.0 | 17.1 | 17.0 | 17.0 | 12.1 | 17.2 | 16.8 | 16.9 | 16.8 | 16.4 | 17.4 | 16.8 | 16.6 | 16.6 | 16.6 | 17.6 | 16.5 |
| 40 | 1 | M | 13.7 | 15.0 | 15.3 | 16.4 | 16.2 | 16.3 | 16.8 | 16.8 | 14.8 | 15.8 | 16.3 | 16.0 | 15.5 | 15.4 | 15.4 | 15.6 | 15.2 | 14.4 | 14.3 | 15.7 | 14.4 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 13.7 | 15.0 | 15.3 | 16.4 | 16.2 | 16.3 | 16.8 | 16.8 | 14.8 | 15.8 | 16.3 | 16.0 | 15.5 | 15.4 | 15.4 | 15.6 | 15.2 | 14.4 | 14.3 | 15.7 | 14.4 |
| 42 | 1 | M | 13.7 | 15.0 | 15.3 | 16.4 | 16.2 | 16.3 | 16.8 | 16.8 | 14.8 | 15.8 | 16.3 | 16.0 | 15.5 | 15.4 | 15.4 | 15.6 | 15.2 | 14.4 | 14.3 | 15.7 | 14.4 |
| 43 | 1 | M | 14.0 | 15.1 | 16.3 | 17.6 | 17.6 | 17.4 | 17.6 | 11.2 | --- | 19.7 | 16.8 | 18.0 | 17.7 | 17.0 | 16.6 | 15.5 | 18.7 | 14.8 | 16.0 | 16.6 | 16.8 |
| 44 | 1 | M | 14.0 | 15.1 | 16.3 | 17.6 | 17.6 | 17.4 | 17.6 | 11.2 | --- | 19.7 | 16.8 | 18.0 | 17.7 | 17.0 | 16.6 | 15.5 | 18.7 | 14.8 | 16.0 | 16.6 | 16.8 |
| 45 | 1 | M | 14.0 | 15.1 | 16.3 | 17.6 | 17.6 | 17.4 | 17.6 | 11.2 | --- | 19.7 | 16.8 | 18.0 | 17.7 | 17.0 | 16.6 | 15.5 | 18.7 | 14.8 | 16.0 | 16.6 | 16.8 |
| 46 | 1 | M | 13.2 | 14.1 | 14.8 | 15.2 | 15.0 | 14.5 | 15.1 | 15.2 | 13.9 | 15.1 | 15.0 | 15.8 | 15.1 | 15.1 | 14.9 | 14.6 | 15.3 | 14.9 | 14.8 | 15.4 | 15.0 |
| 47 | 1 | M | 13.2 | 14.1 | 14.8 | 15.2 | 15.0 | 14.5 | 15.1 | 15.2 | 13.9 | 15.1 | 15.0 | 15.8 | 15.1 | 15.1 | 14.9 | 14.6 | 15.3 | 14.9 | 14.8 | 15.4 | 15.0 |
| 48 | 1 | M | 13.2 | 14.1 | 14.8 | 15.2 | 15.0 | 14.5 | 15.1 | 15.2 | 13.9 | 15.1 | 15.0 | 15.8 | 15.1 | 15.1 | 14.9 | 14.6 | 15.3 | 14.9 | 14.8 | 15.4 | 15.0 |
| 49 | 1 | M | 14.0 | 14.9 | 15.3 | 16.2 | 16.2 | 16.3 | 16.3 | 15.8 | 16.3 | 16.6 | 17.4 | 17.5 | 16.0 | 15.7 | 16.2 | 15.6 | 16.4 | 16.8 | 17.0 | 19.1 | 15.0 |
| 50 | 1 | M | 14.0 | 14.9 | 15.3 | 16.2 | 16.2 | 16.3 | 16.3 | 15.8 | 16.3 | 16.6 | 17.4 | 17.5 | 16.0 | 15.7 | 16.2 | 15.6 | 16.4 | 16.8 | 17.0 | 19.1 | 15.0 |
| 51 | 1 | M | 14.0 | 14.9 | 15.3 | 16.2 | 16.2 | 16.3 | 16.3 | 15.8 | 16.3 | 16.6 | 17.4 | 17.5 | 16.0 | 15.7 | 16.2 | 15.6 | 16.4 | 16.8 | 17.0 | 19.1 | 15.0 |
| 52 | 1 | M | 11.0 | 15.6 | 15.5 | 16.3 | 16.3 | 16.5 | 16.9 | 16.7 | 16.0 | 17.7 | 17.1 | 17.1 | 16.6 | 16.2 | 16.1 | 15.3 | 16.4 | 15.5 | 16.0 | 18.7 | 16.1 |
| 53 | 1 | M | 11.0 | 15.6 | 15.5 | 16.3 | 16.3 | 16.5 | 16.9 | 16.7 | 16.0 | 17.7 | 17.1 | 17.1 | 16.6 | 16.2 | 16.1 | 15.3 | 16.4 | 15.5 | 16.0 | 18.7 | 16.1 |
| 54 | 1 | M | 11.0 | 15.6 | 15.5 | 16.3 | 16.3 | 16.5 | 16.9 | 16.7 | 16.0 | 17.7 | 17.1 | 17.1 | 16.6 | 16.2 | 16.1 | 15.3 | 16.4 | 15.5 | 16.0 | 18.7 | 16.1 |
| 55 | 1 | M | 14.0 | 15.6 | 16.3 | 16.2 | 15.8 | 15.7 | 16.1 | 16.7 | 15.8 | 16.8 | --- | 16.4 | 17.3 | 16.1 | 15.4 | 16.0 | 16.0 | 15.1 | 15.7 | 16.7 | 15.7 |
| 56 | 1 | M | 14.0 | 15.6 | 16.3 | 16.2 | 15.8 | 15.7 | 16.1 | 16.7 | 15.8 | 16.8 | --- | 16.4 | 17.3 | 16.1 | 15.4 | 16.0 | 16.0 | 15.1 | 15.7 | 16.7 | 15.7 |
| 57 | 1 | M | 14.0 | 15.6 | 16.3 | 16.2 | 15.8 | 15.7 | 16.1 | 16.7 | 15.8 | 16.8 | --- | 16.4 | 17.3 | 16.1 | 15.4 | 16.0 | 16.0 | 15.1 | 15.7 | 16.7 | 15.7 |
| 58 | 1 | M | 13.2 | 14.2 | 15.2 | 15.8 | 15.7 | 15.3 | 15.1 | 15.9 | 14.9 | 15.4 | 16.0 | 16.3 | 15.8 | 15.5 | 15.7 | 15.4 | 15.6 | 15.2 | 15.5 | 16.2 | 15.3 |
| 59 | 1 | M | 13.2 | 14.2 | 15.2 | 15.8 | 15.7 | 15.3 | 15.1 | 15.9 | 14.9 | 15.4 | 16.0 | 16.3 | 15.8 | 15.5 | 15.7 | 15.4 | 15.6 | 15.2 | 15.5 | 16.2 | 15.3 |
| 60 | 1 | M | 13.2 | 14.2 | 15.2 | 15.8 | 15.7 | 15.3 | 15.1 | 15.9 | 14.9 | 15.4 | 16.0 | 16.3 | 15.8 | 15.5 | 15.7 | 15.4 | 15.6 | 15.2 | 15.5 | 16.2 | 15.3 |
| 61 | 1 | M | 12.5 | 14.4 | 15.5 | 15.4 | 15.8 | 15.5 | 15.7 | 16.4 | 15.9 | 17.1 | 16.3 | 16.0 | 15.4 | 15.3 | 15.2 | 15.7 | 14.8 | 14.7 | 15.4 | 15.8 | 15.5 |
| 62 | 1 | M | 12.5 | 14.4 | 15.5 | 15.4 | 15.8 | 15.5 | 15.7 | 16.4 | 15.9 | 17.1 | 16.3 | 16.0 | 15.4 | 15.3 | 15.2 | 15.7 | 14.8 | 14.7 | 15.4 | 15.8 | 15.5 |
| 63 | 1 | M | 12.5 | 14.4 | 15.5 | 15.4 | 15.8 | 15.5 | 15.7 | 16.4 | 15.9 | 17.1 | 16.3 | 16.0 | 15.4 | 15.3 | 15.2 | 15.7 | 14.8 | 14.7 | 15.4 | 15.8 | 15.5 |
| 64 | 1 | M | 14.1 | 15.7 | 16.0 | 16.7 | 17.6 | 17.9 | 18.3 | 18.9 | 17.6 | 17.6 | 18.5 | 17.9 | 19.0 | 16.4 | 14.7 | 17.0 | 17.4 | 16.6 | 15.8 | 17.7 | 15.7 |
| 65 | 1 | M | 14.1 | 15.7 | 16.0 | 16.7 | 17.6 | 17.9 | 18.3 | 18.9 | 17.6 | 17.6 | 18.5 | 17.9 | 19.0 | 16.4 | 14.7 | 17.0 | 17.4 | 16.6 | 15.8 | 17.7 | 15.7 |
| 66 | 1 | M | 14.1 | 15.7 | 16.0 | 16.7 | 17.6 | 17.9 | 18.3 | 18.9 | 17.6 | 17.6 | 18.5 | 17.9 | 19.0 | 16.4 | 14.7 | 17.0 | 17.4 | 16.6 | 15.8 | 17.7 | 15.7 |
| 67 | 1 | M | 12.6 | 13.6 | 14.9 | 15.4 | 15.5 | 15.9 | 15.9 | 16.4 | 15.6 | 16.1 | 16.3 | 17.3 | 15.9 | 15.5 | 15.8 | 16.1 | 16.0 | 15.6 | 15.8 | 16.5 | 15.7 |
| 68 | 1 | M | 12.6 | 13.6 | 14.9 | 15.4 | 15.5 | 15.9 | 15.9 | 16.4 | 15.6 | 16.1 | 16.3 | 17.3 | 15.9 | 15.5 | 15.8 | 16.1 | 16.0 | 15.6 | 15.8 | 16.5 | 15.7 |
| 69 | 1 | M | 12.6 | 13.6 | 14.9 | 15.4 | 15.5 | 15.9 | 15.9 | 16.4 | 15.6 | 16.1 | 16.3 | 17.3 | 15.9 | 15.5 | 15.8 | 16.1 | 16.0 | 15.6 | 15.8 | 16.5 | 15.7 |
| 70 | 1 | M | 14.3 | 16.4 | 17.1 | 17.4 | 17.3 | 17.3 | 17.1 | 16.0 | 17.0 | 16.9 | 17.2 | 18.5 | 16.6 | 16.4 | 16.0 | 15.8 | 16.9 | 15.9 | 16.4 | 16.0 | 16.6 |
| 71 | 1 | M | 14.3 | 16.4 | 17.1 | 17.4 | 17.3 | 17.3 | 17.1 | 16.0 | 17.0 | 16.9 | 17.2 | 18.5 | 16.6 | 16.4 | 16.0 | 15.8 | 16.9 | 15.9 | 16.4 | 16.0 | 16.6 |
| 72 | 1 | M | 14.3 | 16.4 | 17.1 | 17.4 | 17.3 | 17.3 | 17.1 | 16.0 | 17.0 | 16.9 | 17.2 | 18.5 | 16.6 | 16.4 | 16.0 | 15.8 | 16.9 | 15.9 | 16.4 | 16.0 | 16.6 |
| 73 | 1 | M | 15.0 | 16.7 | 17.1 | 17.7 | 17.2 | 17.0 | 16.7 | 17.1 | 16.0 | 16.5 | 16.9 | 17.5 | 16.0 | 15.4 | 15.0 | 16.1 | 16.1 | 15.5 | 16.1 | 15.2 | 15.7 |
| 74 | 1 | M | 15.0 | 16.7 | 17.1 | 17.7 | 17.2 | 17.0 | 16.7 | 17.1 | 16.0 | 16.5 | 16.9 | 17.5 | 16.0 | 15.4 | 15.0 | 16.1 | 16.1 | 15.5 | 16.1 | 15.2 | 15.7 |
| 75 | 1 | M | 15.0 | 16.7 | 17.1 | 17.7 | 17.2 | 17.0 | 16.7 | 17.1 | 16.0 | 16.5 | 16.9 | 17.5 | 16.0 | 15.4 | 15.0 | 16.1 | 16.1 | 15.5 | 16.1 | 15.2 | 15.7 |
| 76 | 1 | F | 10.7 | 11.4 | 11.6 | 10.9 | 10.2 | 9.9 | 10.1 | 10.7 | 9.6 | 10.3 | 10.0 | 10.0 | 10.0 | 9.5 | 9.2 | 9.9 | 9.4 | 9.4 | 9.7 | 10.9 | 9.5 |
| 77 | 1 | F | 10.7 | 11.4 | 11.6 | 10.9 | 10.2 | 9.9 | 10.1 | 10.7 | 9.6 | 10.3 | 10.0 | 10.0 | 10.0 | 9.5 | 9.2 | 9.9 | 9.4 | 9.4 | 9.7 | 10.9 | 9.5 |
| 78 | 1 | F | 10.7 | 11.4 | 11.6 | 10.9 | 10.2 | 9.9 | 10.1 | 10.7 | 9.6 | 10.3 | 10.0 | 10.0 | 10.0 | 9.5 | 9.2 | 9.9 | 9.4 | 9.4 | 9.7 | 10.9 | 9.5 |
| 79 | 1 | F | 11.1 | 12.2 | 12.1 | 11.6 | 11.1 | 10.5 | 10.5 | 10.5 | 9.3 | 10.2 | 10.2 | 10.4 | 9.6 | 9.8 | 9.1 | 9.7 | 9.5 | 9.6 | 9.6 | 10.1 | 9.8 |
| 80 | 1 | F | 11.1 | 12.2 | 12.1 | 11.6 | 11.1 | 10.5 | 10.5 | 10.5 | 9.3 | 10.2 | 10.2 | 10.4 | 9.6 | 9.8 | 9.1 | 9.7 | 9.5 | 9.6 | 9.6 | 10.1 | 9.8 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 1 | F | 11.1 | 12.2 | 12.1 | 11.6 | 11.1 | 10.5 | 10.5 | 10.5 | 9.3 | 10.2 | 10.2 | 10.4 | 9.6 | 9.8 | 9.1 | 9.7 | 9.5 | 9.6 | 9.6 | 10.1 | 9.8 |
| 82 | 1 | F | 11.2 | 11.3 | 11.3 | 10.5 | 10.6 | 10.2 | 10.5 | 10.2 | 9.5 | 9.8 | 10.0 | 9.5 | 9.9 | 9.2 | 9.2 | 9.7 | 9.2 | 9.4 | 9.6 | 10.3 | 9.9 |
| 83 | 1 | F | 11.2 | 11.3 | 11.3 | 10.5 | 10.6 | 10.2 | 10.5 | 10.2 | 9.5 | 9.8 | 10.0 | 9.5 | 9.9 | 9.2 | 9.2 | 9.7 | 9.2 | 9.4 | 9.6 | 10.3 | 9.9 |
| 84 | 1 | F | 11.2 | 11.3 | 11.3 | 10.5 | 10.6 | 10.2 | 10.5 | 10.2 | 9.5 | 9.8 | 10.0 | 9.5 | 9.9 | 9.2 | 9.2 | 9.7 | 9.2 | 9.4 | 9.6 | 10.3 | 9.9 |
| 85 | 1 | F | 10.1 | 11.0 | 10.8 | 10.2 | 10.7 | 10.2 | 10.2 | 10.3 | 9.5 | 10.0 | 9.9 | 9.8 | 9.4 | 9.6 | 9.0 | 9.6 | 9.2 | 8.8 | 9.1 | 9.3 | 9.4 |
| 86 | 1 | F | 10.1 | 11.0 | 10.8 | 10.2 | 10.7 | 10.2 | 10.2 | 10.3 | 9.5 | 10.0 | 9.9 | 9.8 | 9.4 | 9.6 | 9.0 | 9.6 | 9.2 | 8.8 | 9.1 | 9.3 | 9.4 |
| 87 | 1 | F | 10.1 | 11.0 | 10.8 | 10.2 | 10.7 | 10.2 | 10.2 | 10.3 | 9.5 | 10.0 | 9.9 | 9.8 | 9.4 | 9.6 | 9.0 | 9.6 | 9.2 | 8.8 | 9.1 | 9.3 | 9.4 |
| 88 | 1 | F | 11.8 | 11.1 | 11.0 | 9.9 | 10.5 | 10.0 | 10.4 | 9.9 | 9.4 | 9.5 | 9.3 | 9.7 | 9.3 | 9.7 | 9.1 | 9.3 | 9.1 | 8.9 | 9.4 | 9.9 | 8.6 |
| 89 | 1 | F | 11.8 | 11.1 | 11.0 | 9.9 | 10.5 | 10.0 | 10.4 | 9.9 | 9.4 | 9.5 | 9.3 | 9.7 | 9.3 | 9.7 | 9.1 | 9.3 | 9.1 | 8.9 | 9.4 | 9.9 | 8.6 |
| 90 | 1 | F | 11.8 | 11.1 | 11.0 | 9.9 | 10.5 | 10.0 | 10.4 | 9.9 | 9.4 | 9.5 | 9.3 | 9.7 | 9.3 | 9.7 | 9.1 | 9.3 | 9.1 | 8.9 | 9.4 | 9.9 | 8.6 |
| 91 | 1 | F | 11.5 | 12.0 | 12.4 | 11.4 | 11.5 | 11.0 | 10.8 | 10.7 | 9.8 | 10.3 | 10.0 | 10.0 | 10.5 | 11.1 | 9.8 | 10.4 | 7.9 | 9.6 | 9.2 | 9.7 | 9.8 |
| 92 | 1 | F | 11.5 | 12.0 | 12.4 | 11.4 | 11.5 | 11.0 | 10.8 | 10.7 | 9.8 | 10.3 | 10.0 | 10.0 | 10.5 | 11.1 | 9.8 | 10.4 | 7.9 | 9.6 | 9.2 | 9.7 | 9.8 |
| 93 | 1 | F | 11.5 | 12.0 | 12.4 | 11.4 | 11.5 | 11.0 | 10.8 | 10.7 | 9.8 | 10.3 | 10.0 | 10.0 | 10.5 | 11.1 | 9.8 | 10.4 | 7.9 | 9.6 | 9.2 | 9.7 | 9.8 |
| 94 | 1 | F | 11.3 | 11.4 | 11.3 | 11.4 | 11.4 | 10.8 | 10.4 | 10.7 | 10.9 | 9.8 | 9.6 | 9.7 | 10.2 | 9.8 | 9.2 | 9.7 | 9.1 | 9.7 | 9.4 | 9.8 | 9.3 |
| 95 | 1 | F | 11.3 | 11.4 | 11.3 | 11.4 | 11.4 | 10.8 | 10.4 | 10.7 | 10.9 | 9.8 | 9.6 | 9.7 | 10.2 | 9.8 | 9.2 | 9.7 | 9.1 | 9.7 | 9.4 | 9.8 | 9.3 |
| 96 | 1 | F | 11.3 | 11.4 | 11.3 | 11.4 | 11.4 | 10.8 | 10.4 | 10.7 | 10.9 | 9.8 | 9.6 | 9.7 | 10.2 | 9.8 | 9.2 | 9.7 | 9.1 | 9.7 | 9.4 | 9.8 | 9.3 |
| 97 | 1 | F | 10.5 | 11.4 | 11.9 | 10.8 | 11.0 | 10.3 | 10.1 | 10.7 | 10.1 | 10.4 | 9.9 | 10.1 | 10.0 | 11.3 | 9.7 | 9.2 | 9.9 | 9.4 | 9.1 | 9.7 | 10.4 |
| 98 | 1 | F | 10.5 | 11.4 | 11.9 | 10.8 | 11.0 | 10.3 | 10.1 | 10.7 | 10.1 | 10.4 | 9.9 | 10.1 | 10.0 | 11.3 | 9.7 | 9.2 | 9.9 | 9.4 | 9.1 | 9.7 | 10.4 |
| 99 | 1 | F | 10.5 | 11.4 | 11.9 | 10.8 | 11.0 | 10.3 | 10.1 | 10.7 | 10.1 | 10.4 | 9.9 | 10.1 | 10.0 | 11.3 | 9.7 | 9.2 | 9.9 | 9.4 | 9.1 | 9.7 | 10.4 |
| 100 | 1 | F | 10.9 | 10.9 | 11.4 | 10.9 | 10.9 | 10.4 | 10.0 | 10.8 | 9.3 | 9.8 | 9.7 | 9.7 | 9.8 | 9.5 | 9.3 | 9.2 | 8.5 | 9.1 | 9.8 | 10.3 | 9.1 |
| 101 | 1 | F | 10.9 | 10.9 | 11.4 | 10.9 | 10.9 | 10.4 | 10.0 | 10.8 | 9.3 | 9.8 | 9.7 | 9.7 | 9.8 | 9.5 | 9.3 | 9.2 | 8.5 | 9.1 | 9.8 | 10.3 | 9.1 |
| 102 | 1 | F | 10.9 | 10.9 | 11.4 | 10.9 | 10.9 | 10.4 | 10.0 | 10.8 | 9.3 | 9.8 | 9.7 | 9.7 | 9.8 | 9.5 | 9.3 | 9.2 | 8.5 | 9.1 | 9.8 | 10.3 | 9.1 |
| 103 | 1 | F | 10.7 | 11.7 | 11.6 | 11.4 | 12.0 | 11.8 | 12.9 | 11.3 | 10.6 | 10.8 | 10.9 | 11.3 | 10.6 | 11.1 | 10.2 | 10.7 | 9.4 | 9.4 | 9.9 | 10.0 | 9.4 |
| 104 | 1 | F | 10.7 | 11.7 | 11.6 | 11.4 | 12.0 | 11.8 | 12.9 | 11.3 | 10.6 | 10.8 | 10.9 | 11.3 | 10.6 | 11.1 | 10.2 | 10.7 | 9.4 | 9.4 | 9.9 | 10.0 | 9.4 |
| 105 | 1 | F | 10.7 | 11.7 | 11.6 | 11.4 | 12.0 | 11.8 | 12.9 | 11.3 | 10.6 | 10.8 | 10.9 | 11.3 | 10.6 | 11.1 | 10.2 | 10.7 | 9.4 | 9.4 | 9.9 | 10.0 | 9.4 |
| 106 | 1 | F | 10.6 | 11.2 | 11.1 | 11.0 | 10.8 | 10.6 | 10.6 | 10.7 | 10.2 | 10.0 | 9.3 | 9.9 | 9.4 | 9.7 | 9.1 | 9.6 | 9.2 | 9.0 | 9.7 | 9.7 | 8.8 |
| 107 | 1 | F | 10.6 | 11.2 | 11.1 | 11.0 | 10.8 | 10.6 | 10.6 | 10.7 | 10.2 | 10.0 | 9.3 | 9.9 | 9.4 | 9.7 | 9.1 | 9.6 | 9.2 | 9.0 | 9.7 | 9.7 | 8.8 |
| 108 | 1 | F | 10.6 | 11.2 | 11.1 | 11.0 | 10.8 | 10.6 | 10.6 | 10.7 | 10.2 | 10.0 | 9.3 | 9.9 | 9.4 | 9.7 | 9.1 | 9.6 | 9.2 | 9.0 | 9.7 | 9.7 | 8.8 |
| 109 | 1 | F | 11.8 | 11.7 | 11.8 | 11.6 | 11.7 | 11.1 | 11.0 | 11.7 | 10.6 | 11.1 | 10.8 | 10.8 | 10.4 | 10.5 | 10.2 | 10.2 | 9.5 | 9.7 | 9.8 | 10.8 | 9.6 |
| 110 | 1 | F | 11.8 | 11.7 | 11.8 | 11.6 | 11.7 | 11.1 | 11.0 | 11.7 | 10.6 | 11.1 | 10.8 | 10.8 | 10.4 | 10.5 | 10.2 | 10.2 | 9.5 | 9.7 | 9.8 | 10.8 | 9.6 |
| 111 | 1 | F | 11.8 | 11.7 | 11.8 | 11.6 | 11.7 | 11.1 | 11.0 | 11.7 | 10.6 | 11.1 | 10.8 | 10.8 | 10.4 | 10.5 | 10.2 | 10.2 | 9.5 | 9.7 | 9.8 | 10.8 | 9.6 |
| 112 | 1 | F | 11.7 | 12.3 | 11.6 | 10.6 | 11.0 | 10.6 | 10.4 | 10.5 | 9.7 | 10.1 | 10.1 | 9.9 | 9.5 | 10.1 | 9.0 | 9.5 | 9.2 | 9.2 | 8.5 | 9.1 | 8.5 |
| 113 | 1 | F | 11.7 | 12.3 | 11.6 | 10.6 | 11.0 | 10.6 | 10.4 | 10.5 | 9.7 | 10.1 | 10.1 | 9.9 | 9.5 | 10.1 | 9.0 | 9.5 | 9.2 | 9.2 | 8.5 | 9.1 | 8.5 |
| 114 | 1 | F | 11.7 | 12.3 | 11.6 | 10.6 | 11.0 | 10.6 | 10.4 | 10.5 | 9.7 | 10.1 | 10.1 | 9.9 | 9.5 | 10.1 | 9.0 | 9.5 | 9.2 | 9.2 | 8.5 | 9.1 | 8.5 |
| 115 | 1 | F | 10.6 | 11.0 | 11.5 | 11.3 | 11.6 | 11.6 | 11.1 | 10.4 | 10.5 | 10.0 | 10.3 | 10.8 | 9.1 | 10.5 | 8.8 | 10.3 | 10.1 | 8.6 | 9.0 | 9.3 | 9.0 |
| 116 | 1 | F | 10.6 | 11.0 | 11.5 | 11.3 | 11.6 | 11.6 | 11.1 | 10.4 | 10.5 | 10.0 | 10.3 | 10.8 | 9.1 | 10.5 | 8.8 | 10.3 | 10.1 | 8.6 | 9.0 | 9.3 | 9.0 |
| 117 | 1 | F | 10.6 | 11.0 | 11.5 | 11.3 | 11.6 | 11.6 | 11.1 | 10.4 | 10.5 | 10.0 | 10.3 | 10.8 | 9.1 | 10.5 | 8.8 | 10.3 | 10.1 | 8.6 | 9.0 | 9.3 | 9.0 |
| 118 | 1 | F | 11.7 | 11.9 | 11.9 | 11.0 | 11.5 | 10.6 | 10.7 | 11.2 | 10.4 | 11.5 | 10.6 | 11.0 | 10.7 | 10.7 | 10.0 | 10.8 | 10.3 | 9.8 | 9.8 | 10.4 | 9.5 |
| 119 | 1 | F | 11.7 | 11.9 | 11.9 | 11.0 | 11.5 | 10.6 | 10.7 | 11.2 | 10.4 | 11.5 | 10.6 | 11.0 | 10.7 | 10.7 | 10.0 | 10.8 | 10.3 | 9.8 | 9.8 | 10.4 | 9.5 |
| 120 | 1 | F | 11.7 | 11.9 | 11.9 | 11.0 | 11.5 | 10.6 | 10.7 | 11.2 | 10.4 | 11.5 | 10.6 | 11.0 | 10.7 | 10.7 | 10.0 | 10.8 | 10.3 | 9.8 | 9.8 | 10.4 | 9.5 |

---- - NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 121 | 1 | F | 9.2 | 12.6 | --- | 11.2 | 10.6 | 9.8 | 9.9 | 9.8 | 8.9 | 9.3 | 9.8 | 9.5 | 9.4 | 9.6 | 9.0 | 9.8 | 9.2 | 8.9 | 9.1 | 10.0 | 8.8 |
| 122 | 1 | F | 9.2 | 12.6 | --- | 11.2 | 10.6 | 9.8 | 9.9 | 9.8 | 8.9 | 9.3 | 9.8 | 9.5 | 9.4 | 9.6 | 9.0 | 9.8 | 9.2 | 8.9 | 9.1 | 10.0 | 8.8 |
| 123 | 1 | F | 9.2 | 12.6 | --- | 11.2 | 10.6 | 9.8 | 9.9 | 9.8 | 8.9 | 9.3 | 9.8 | 9.5 | 9.4 | 9.6 | 9.0 | 9.8 | 9.2 | 8.9 | 9.1 | 10.0 | 8.8 |
| 124 | 1 | F | 11.7 | 12.5 | 12.7 | 12.0 | 11.9 | 11.2 | 11.4 | 11.8 | 7.2 | 11.6 | 11.2 | 11.5 | 11.3 | 11.7 | 11.6 | 11.9 | 10.9 | 9.7 | 10.0 | 12.3 | 11.0 |
| 125 | 1 | F | 11.7 | 12.5 | 12.7 | 12.0 | 11.9 | 11.2 | 11.4 | 11.8 | 7.2 | 11.6 | 11.2 | 11.5 | 11.3 | 11.7 | 11.6 | 11.9 | 10.9 | 9.7 | 10.0 | 12.3 | 11.0 |
| 126 | 1 | F | 11.7 | 12.5 | 12.7 | 12.0 | 11.9 | 11.2 | 11.4 | 11.8 | 7.2 | 11.6 | 11.2 | 11.5 | 11.3 | 11.7 | 11.6 | 11.9 | 10.9 | 9.7 | 10.0 | 12.3 | 11.0 |
| 127 | 1 | F | 10.8 | 11.7 | 11.5 | 11.4 | 11.0 | 11.7 | 11.6 | 11.9 | 11.0 | 11.2 | 11.6 | 11.0 | 11.3 | 11.8 | 10.7 | 10.7 | 10.9 | 10.2 | 9.8 | 10.2 | 10.0 |
| 128 | 1 | F | 10.8 | 11.7 | 11.5 | 11.4 | 11.0 | 11.7 | 11.6 | 11.9 | 11.0 | 11.2 | 11.6 | 11.0 | 11.3 | 11.8 | 10.7 | 10.7 | 10.9 | 10.2 | 9.8 | 10.2 | 10.0 |
| 129 | 1 | F | 10.8 | 11.7 | 11.5 | 11.4 | 11.0 | 11.7 | 11.6 | 11.9 | 11.0 | 11.2 | 11.6 | 11.0 | 11.3 | 11.8 | 10.7 | 10.7 | 10.9 | 10.2 | 9.8 | 10.2 | 10.0 |
| 130 | 1 | F | 10.2 | 11.3 | 11.3 | 11.9 | 12.0 | 11.9 | 10.8 | 11.3 | 11.0 | 11.2 | 11.6 | 11.3 | 10.8 | 11.2 | 10.2 | 10.9 | 9.6 | 9.8 | 9.5 | 10.7 | 10.2 |
| 131 | 1 | F | 10.2 | 11.3 | 11.3 | 11.9 | 12.0 | 11.9 | 10.8 | 11.3 | 11.0 | 11.2 | 11.6 | 11.3 | 10.8 | 11.2 | 10.2 | 10.9 | 9.6 | 9.8 | 9.5 | 10.7 | 10.2 |
| 132 | 1 | F | 10.2 | 11.3 | 11.3 | 11.9 | 12.0 | 11.9 | 10.8 | 11.3 | 11.0 | 11.2 | 11.6 | 11.3 | 10.8 | 11.2 | 10.2 | 10.9 | 9.6 | 9.8 | 9.5 | 10.7 | 10.2 |
| 133 | 1 | F | 11.9 | 12.1 | 12.4 | 13.0 | 11.9 | 11.8 | 11.6 | 11.6 | 11.4 | 11.6 | 11.7 | 11.8 | 11.4 | 11.7 | 10.3 | 10.7 | 12.6 | 10.8 | 10.6 | 9.1 | 9.2 |
| 134 | 1 | F | 11.9 | 12.1 | 12.4 | 13.0 | 11.9 | 11.8 | 11.6 | 11.6 | 11.4 | 11.6 | 11.7 | 11.8 | 11.4 | 11.7 | 10.3 | 10.7 | 12.6 | 10.8 | 10.6 | 9.1 | 9.2 |
| 135 | 1 | F | 11.9 | 12.1 | 12.4 | 13.0 | 11.9 | 11.8 | 11.6 | 11.6 | 11.4 | 11.6 | 11.7 | 11.8 | 11.4 | 11.7 | 10.3 | 10.7 | 12.6 | 10.8 | 10.6 | 9.1 | 9.2 |
| 136 | 1 | F | 11.2 | 11.5 | 11.7 | 11.4 | 10.9 | 10.6 | 10.4 | 10.5 | 10.4 | 11.0 | 11.1 | 10.6 | 10.0 | 10.0 | 9.9 | 10.1 | 9.7 | 9.8 | 9.8 | 10.6 | 9.9 |
| 137 | 1 | F | 11.2 | 11.5 | 11.7 | 11.4 | 10.9 | 10.6 | 10.4 | 10.5 | 10.4 | 11.0 | 11.1 | 10.6 | 10.0 | 10.0 | 9.9 | 10.1 | 9.7 | 9.8 | 9.8 | 10.6 | 9.9 |
| 138 | 1 | F | 11.2 | 11.5 | 11.7 | 11.4 | 10.9 | 10.6 | 10.4 | 10.5 | 10.4 | 11.0 | 11.1 | 10.6 | 10.0 | 10.0 | 9.9 | 10.1 | 9.7 | 9.8 | 9.8 | 10.6 | 9.9 |
| 139 | 1 | F | 10.8 | 10.9 | 10.9 | 11.0 | 10.9 | 10.0 | 9.4 | 10.3 | 9.0 | 10.2 | 10.2 | 10.1 | 9.4 | 9.7 | 8.9 | 9.4 | 8.8 | 8.9 | 9.1 | 9.9 | 9.3 |
| 140 | 1 | F | 10.8 | 10.9 | 10.9 | 11.0 | 10.9 | 10.0 | 9.4 | 10.3 | 9.0 | 10.2 | 10.2 | 10.1 | 9.4 | 9.7 | 8.9 | 9.4 | 8.8 | 8.9 | 9.1 | 9.9 | 9.3 |
| 141 | 1 | F | 10.8 | 10.9 | 10.9 | 11.0 | 10.9 | 10.0 | 9.4 | 10.3 | 9.0 | 10.2 | 10.2 | 10.1 | 9.4 | 9.7 | 8.9 | 9.4 | 8.8 | 8.9 | 9.1 | 9.9 | 9.3 |
| 142 | 1 | F | --- | 12.3 | 12.6 | 11.4 | 11.4 | 11.4 | 11.0 | 11.4 | 10.7 | 11.9 | 11.8 | 11.0 | 10.7 | 10.1 | 9.9 | 10.3 | 9.6 | 10.1 | 10.4 | 11.0 | 9.3 |
| 143 | 1 | F | --- | 12.3 | 12.6 | 11.4 | 11.4 | 11.4 | 11.0 | 11.4 | 10.7 | 11.9 | 11.8 | 11.0 | 10.7 | 10.1 | 9.9 | 10.3 | 9.6 | 10.1 | 10.4 | 11.0 | 9.3 |
| 144 | 1 | F | --- | 12.3 | 12.6 | 11.4 | 11.4 | 11.4 | 11.0 | 11.4 | 10.7 | 11.9 | 11.8 | 11.0 | 10.7 | 10.1 | 9.9 | 10.3 | 9.6 | 10.1 | 10.4 | 11.0 | 9.3 |
| 145 | 1 | F | 11.0 | 11.6 | 12.0 | 11.6 | 10.9 | 11.0 | 10.2 | 10.5 | 10.3 | 10.3 | 10.0 | 10.9 | 10.0 | 9.9 | 9.6 | 10.2 | 9.2 | 9.2 | 9.5 | 10.0 | 9.6 |
| 146 | 1 | F | 11.0 | 11.6 | 12.0 | 11.6 | 10.9 | 11.0 | 10.2 | 10.5 | 10.3 | 10.3 | 10.0 | 10.9 | 10.0 | 9.9 | 9.6 | 10.2 | 9.2 | 9.2 | 9.5 | 10.0 | 9.6 |
| 147 | 1 | F | 11.0 | 11.6 | 12.0 | 11.6 | 10.9 | 11.0 | 10.2 | 10.5 | 10.3 | 10.3 | 10.0 | 10.9 | 10.0 | 9.9 | 9.6 | 10.2 | 9.2 | 9.2 | 9.5 | 10.0 | 9.6 |
| 148 | 1 | F | 11.0 | 11.7 | 11.8 | 11.0 | 11.0 | 11.0 | 10.3 | 10.6 | 9.8 | 10.1 | 11.1 | 10.8 | 10.1 | 10.4 | 9.7 | 10.0 | 9.9 | 9.1 | 9.4 | 10.2 | 9.7 |
| 149 | 1 | F | 11.0 | 11.7 | 11.8 | 11.0 | 11.0 | 11.0 | 10.3 | 10.6 | 9.8 | 10.1 | 11.1 | 10.8 | 10.1 | 10.4 | 9.7 | 10.0 | 9.9 | 9.1 | 9.4 | 10.2 | 9.7 |
| 150 | 1 | F | 11.0 | 11.7 | 11.8 | 11.0 | 11.0 | 11.0 | 10.3 | 10.6 | 9.8 | 10.1 | 11.1 | 10.8 | 10.1 | 10.4 | 9.7 | 10.0 | 9.9 | 9.1 | 9.4 | 10.2 | 9.7 |
| 151 | 2 | M | 12.7 | 14.4 | 15.3 | 14.8 | 15.0 | 15.1 | 15.9 | 15.6 | 15.4 | 15.8 | 15.8 | 16.4 | 14.8 | 14.1 | 14.7 | 14.7 | 14.5 | 14.8 | 15.4 | 14.5 | 14.6 |
| 152 | 2 | M | 12.7 | 14.4 | 15.3 | 14.8 | 15.0 | 15.1 | 15.9 | 15.6 | 15.4 | 15.8 | 15.8 | 16.4 | 14.8 | 14.1 | 14.7 | 14.7 | 14.5 | 14.8 | 15.4 | 14.5 | 14.6 |
| 153 | 2 | M | 12.7 | 14.4 | 15.3 | 14.8 | 15.0 | 15.1 | 15.9 | 15.6 | 15.4 | 15.8 | 15.8 | 16.4 | 14.8 | 14.1 | 14.7 | 14.7 | 14.5 | 14.8 | 15.4 | 14.5 | 14.6 |
| 154 | 2 | M | 14.0 | 16.5 | 16.4 | 17.0 | 17.1 | 16.9 | 17.8 | 17.5 | 16.8 | 16.2 | 16.5 | 17.5 | 17.0 | 16.2 | 16.4 | 15.9 | 15.4 | 15.7 | 15.8 | 16.0 | 16.8 |
| 155 | 2 | M | 14.0 | 16.5 | 16.4 | 17.0 | 17.1 | 16.9 | 17.8 | 17.5 | 16.8 | 16.2 | 16.5 | 17.5 | 17.0 | 16.2 | 16.4 | 15.9 | 15.4 | 15.7 | 15.8 | 16.0 | 16.8 |
| 156 | 2 | M | 14.0 | 16.5 | 16.4 | 17.0 | 17.1 | 16.9 | 17.8 | 17.5 | 16.8 | 16.2 | 16.5 | 17.5 | 17.0 | 16.2 | 16.4 | 15.9 | 15.4 | 15.7 | 15.8 | 16.0 | 16.8 |
| 157 | 2 | M | 12.3 | 13.0 | 14.3 | 14.0 | 14.3 | 15.8 | 16.1 | 15.9 | 15.4 | 16.2 | 15.8 | 15.9 | 15.8 | 15.8 | 15.7 | 15.8 | 15.5 | 15.0 | 15.8 | 15.6 | 16.8 |
| 158 | 2 | M | 12.3 | 13.0 | 14.3 | 14.0 | 14.3 | 15.8 | 16.1 | 15.9 | 15.4 | 16.2 | 15.8 | 15.9 | 15.8 | 15.8 | 15.7 | 15.8 | 15.5 | 15.0 | 15.8 | 15.6 | 16.8 |
| 159 | 2 | M | 12.3 | 13.0 | 14.3 | 14.0 | 14.3 | 15.8 | 16.1 | 15.9 | 15.4 | 16.2 | 15.8 | 15.9 | 15.8 | 15.8 | 15.7 | 15.8 | 15.5 | 15.0 | 15.8 | 15.6 | 16.8 |
| 160 | 2 | M | 13.2 | 14.9 | 16.5 | 16.4 | 17.0 | 17.0 | 17.4 | 17.4 | 16.3 | 16.3 | 16.7 | 17.6 | 17.2 | 15.7 | 15.9 | 16.1 | 16.6 | 16.4 | 15.9 | 15.8 | 15.4 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 2 | M | 13.2 | 14.9 | 16.5 | 16.4 | 17.0 | 17.0 | 17.4 | 17.4 | 16.3 | 16.3 | 16.7 | 17.6 | 17.2 | 15.7 | 15.9 | 16.1 | 16.6 | 16.4 | 15.9 | 15.8 | 15.4 |
| 162 | 2 | M | 13.2 | 14.9 | 16.5 | 16.4 | 17.0 | 17.0 | 17.4 | 17.4 | 16.3 | 16.3 | 16.7 | 17.6 | 17.2 | 15.7 | 15.9 | 16.1 | 16.6 | 16.4 | 15.9 | 15.8 | 15.4 |
| 163 | 2 | M | 14.8 | 15.5 | 16.5 | 15.1 | 16.3 | 16.1 | 16.4 | 16.3 | 16.0 | 16.5 | 16.6 | 17.0 | 16.7 | 16.9 | 16.5 | 16.7 | 16.0 | 16.1 | 16.7 | 16.3 | 16.8 |
| 164 | 2 | M | 14.8 | 15.5 | 16.5 | 15.1 | 16.3 | 16.1 | 16.4 | 16.3 | 16.0 | 16.5 | 16.6 | 17.0 | 16.7 | 16.9 | 16.5 | 16.7 | 16.0 | 16.1 | 16.7 | 16.3 | 16.8 |
| 165 | 2 | M | 14.8 | 15.5 | 16.5 | 15.1 | 16.3 | 16.1 | 16.4 | 16.3 | 16.0 | 16.5 | 16.6 | 17.0 | 16.7 | 16.9 | 16.5 | 16.7 | 16.0 | 16.1 | 16.7 | 16.3 | 16.8 |
| 166 | 2 | M | 14.6 | 16.8 | 17.0 | 16.5 | 17.0 | 16.8 | 17.9 | 17.2 | 16.6 | 16.6 | 16.7 | 16.9 | 16.3 | 15.9 | 15.9 | 16.7 | 16.8 | 16.0 | 16.6 | 16.3 | 16.6 |
| 167 | 2 | M | 14.6 | 16.8 | 17.0 | 16.5 | 17.0 | 16.8 | 17.9 | 17.2 | 16.6 | 16.6 | 16.7 | 16.9 | 16.3 | 15.9 | 15.9 | 16.7 | 16.8 | 16.0 | 16.6 | 16.3 | 16.6 |
| 168 | 2 | M | 14.6 | 16.8 | 17.0 | 16.5 | 17.0 | 16.8 | 17.9 | 17.2 | 16.6 | 16.6 | 16.7 | 16.9 | 16.3 | 15.9 | 15.9 | 16.7 | 16.8 | 16.0 | 16.6 | 16.3 | 16.6 |
| 169 | 2 | M | 12.8 | 13.6 | 14.2 | 14.6 | 15.2 | 15.3 | 16.0 | 16.2 | 15.9 | 16.2 | 15.6 | 16.4 | 15.1 | 15.2 | 15.3 | 15.4 | 15.0 | 14.7 | 15.0 | 14.9 | 14.5 |
| 170 | 2 | M | 12.8 | 13.6 | 14.2 | 14.6 | 15.2 | 15.3 | 16.0 | 16.2 | 15.9 | 16.2 | 15.6 | 16.4 | 15.1 | 15.2 | 15.3 | 15.4 | 15.0 | 14.7 | 15.0 | 14.9 | 14.5 |
| 171 | 2 | M | 12.8 | 13.6 | 14.2 | 14.6 | 15.2 | 15.3 | 16.0 | 16.2 | 15.9 | 16.2 | 15.6 | 16.4 | 15.1 | 15.2 | 15.3 | 15.4 | 15.0 | 14.7 | 15.0 | 14.9 | 14.5 |
| 172 | 2 | M | 14.0 | 15.3 | 16.3 | 16.3 | 17.3 | 17.3 | 17.0 | 16.7 | 16.5 | 16.2 | 16.7 | 16.6 | 16.4 | 16.2 | 16.1 | 16.1 | 15.3 | 16.0 | 16.6 | 16.2 | 15.9 |
| 173 | 2 | M | 14.0 | 15.3 | 16.3 | 16.3 | 17.3 | 17.3 | 17.0 | 16.7 | 16.5 | 16.2 | 16.7 | 16.6 | 16.4 | 16.2 | 16.1 | 16.1 | 15.3 | 16.0 | 16.6 | 16.2 | 15.9 |
| 174 | 2 | M | 14.0 | 15.3 | 16.3 | 16.3 | 17.3 | 17.3 | 17.0 | 16.7 | 16.5 | 16.2 | 16.7 | 16.6 | 16.4 | 16.2 | 16.1 | 16.1 | 15.3 | 16.0 | 16.6 | 16.2 | 15.9 |
| 175 | 2 | M | 13.0 | 14.5 | 15.7 | 16.1 | 17.3 | 17.2 | 17.9 | 17.3 | 16.5 | 16.9 | 16.9 | 17.3 | 16.3 | 15.8 | 15.2 | 16.3 | 15.6 | 15.5 | 15.7 | 16.1 | 16.0 |
| 176 | 2 | M | 13.0 | 14.5 | 15.7 | 16.1 | 17.3 | 17.2 | 17.9 | 17.3 | 16.5 | 16.9 | 16.9 | 17.3 | 16.3 | 15.8 | 15.2 | 16.3 | 15.6 | 15.5 | 15.7 | 16.1 | 16.0 |
| 177 | 2 | M | 13.0 | 14.5 | 15.7 | 16.1 | 17.3 | 17.2 | 17.9 | 17.3 | 16.5 | 16.9 | 16.9 | 17.3 | 16.3 | 15.8 | 15.2 | 16.3 | 15.6 | 15.5 | 15.7 | 16.1 | 16.0 |
| 178 | 2 | M | 12.0 | 12.7 | 13.7 | 14.4 | 14.9 | 15.5 | 16.0 | 15.6 | 15.0 | 15.7 | 15.9 | 16.1 | 15.7 | 15.3 | 15.4 | 16.4 | 15.3 | 15.5 | 15.7 | 18.0 | 15.1 |
| 179 | 2 | M | 12.0 | 12.7 | 13.7 | 14.4 | 14.9 | 15.5 | 16.0 | 15.6 | 15.0 | 15.7 | 15.9 | 16.1 | 15.7 | 15.3 | 15.4 | 16.4 | 15.3 | 15.5 | 15.7 | 18.0 | 15.1 |
| 180 | 2 | M | 12.0 | 12.7 | 13.7 | 14.4 | 14.9 | 15.5 | 16.0 | 15.6 | 15.0 | 15.7 | 15.9 | 16.1 | 15.7 | 15.3 | 15.4 | 16.4 | 15.3 | 15.5 | 15.7 | 18.0 | 15.1 |
| 181 | 2 | M | 12.8 | 13.4 | 14.9 | 15.0 | 15.6 | 15.8 | 16.0 | 15.8 | 14.9 | 15.3 | 16.3 | 16.1 | 15.4 | 14.9 | 15.5 | 15.5 | 15.4 | 15.6 | 15.4 | 15.3 | 15.7 |
| 182 | 2 | M | 12.8 | 13.4 | 14.9 | 15.0 | 15.6 | 15.8 | 16.0 | 15.8 | 14.9 | 15.3 | 16.3 | 16.1 | 15.4 | 14.9 | 15.5 | 15.5 | 15.4 | 15.6 | 15.4 | 15.3 | 15.7 |
| 183 | 2 | M | 12.8 | 13.4 | 14.9 | 15.0 | 15.6 | 15.8 | 16.0 | 15.8 | 14.9 | 15.3 | 16.3 | 16.1 | 15.4 | 14.9 | 15.5 | 15.5 | 15.4 | 15.6 | 15.4 | 15.3 | 15.7 |
| 184 | 2 | M | 14.4 | 15.9 | 16.6 | 16.7 | 17.2 | 17.8 | 17.8 | 17.8 | 17.4 | 17.5 | 18.1 | 18.0 | 17.8 | 16.8 | 16.7 | 17.4 | 16.5 | 16.6 | 15.8 | 17.0 | 16.6 |
| 185 | 2 | M | 14.4 | 15.9 | 16.6 | 16.7 | 17.2 | 17.8 | 17.8 | 17.8 | 17.4 | 17.5 | 18.1 | 18.0 | 17.8 | 16.8 | 16.7 | 17.4 | 16.5 | 16.6 | 15.8 | 17.0 | 16.6 |
| 186 | 2 | M | 14.4 | 15.9 | 16.6 | 16.7 | 17.2 | 17.8 | 17.8 | 17.8 | 17.4 | 17.5 | 18.1 | 18.0 | 17.8 | 16.8 | 16.7 | 17.4 | 16.5 | 16.6 | 15.8 | 17.0 | 16.6 |
| 187 | 2 | M | 13.0 | 14.8 | 15.6 | 16.0 | 16.0 | 16.9 | 16.7 | 16.9 | 15.8 | 16.5 | 16.3 | 16.5 | 16.8 | 16.5 | 15.9 | 16.2 | 16.0 | 15.8 | 15.8 | 16.0 | 16.6 |
| 188 | 2 | M | 13.0 | 14.8 | 15.6 | 16.0 | 16.0 | 16.9 | 16.7 | 16.9 | 15.8 | 16.5 | 16.3 | 16.5 | 16.8 | 16.5 | 15.9 | 16.2 | 16.0 | 15.8 | 15.8 | 16.0 | 16.6 |
| 189 | 2 | M | 13.0 | 14.8 | 15.6 | 16.0 | 16.0 | 16.9 | 16.7 | 16.9 | 15.8 | 16.5 | 16.3 | 16.5 | 16.8 | 16.5 | 15.9 | 16.2 | 16.0 | 15.8 | 15.8 | 16.0 | 16.6 |
| 190 | 2 | M | 13.8 | 14.9 | 15.6 | 15.9 | 16.0 | 16.1 | 16.5 | 16.5 | 16.2 | 16.1 | 17.0 | 17.9 | 16.7 | 16.2 | 15.7 | 15.7 | 15.5 | 16.2 | 15.5 | 15.6 | 15.0 |
| 191 | 2 | M | 13.8 | 14.9 | 15.6 | 15.9 | 16.0 | 16.1 | 16.5 | 16.5 | 16.2 | 16.1 | 17.0 | 17.9 | 16.7 | 16.2 | 15.7 | 15.7 | 15.5 | 16.2 | 15.5 | 15.6 | 15.0 |
| 192 | 2 | M | 13.8 | 14.9 | 15.6 | 15.9 | 16.0 | 16.1 | 16.5 | 16.5 | 16.2 | 16.1 | 17.0 | 17.9 | 16.7 | 16.2 | 15.7 | 15.7 | 15.5 | 16.2 | 15.5 | 15.6 | 15.0 |
| 193 | 2 | M | 16.8 | 16.3 | 15.3 | 20.5 | 16.8 | 16.4 | 17.5 | 17.0 | 16.4 | 16.6 | 17.4 | 17.3 | 17.5 | 17.3 | 16.5 | 16.9 | 16.6 | 17.3 | 17.5 | 18.2 | 16.8 |
| 194 | 2 | M | 16.8 | 16.3 | 15.3 | 20.5 | 16.8 | 16.4 | 17.5 | 17.0 | 16.4 | 16.6 | 17.4 | 17.3 | 17.5 | 17.3 | 16.5 | 16.9 | 16.6 | 17.3 | 17.5 | 18.2 | 16.8 |
| 195 | 2 | M | 16.8 | 16.3 | 15.3 | 20.5 | 16.8 | 16.4 | 17.5 | 17.0 | 16.4 | 16.6 | 17.4 | 17.3 | 17.5 | 17.3 | 16.5 | 16.9 | 16.6 | 17.3 | 17.5 | 18.2 | 16.8 |
| 196 | 2 | M | 14.0 | 14.8 | 15.4 | 16.0 | 15.8 | 15.4 | 15.0 | 15.6 | 15.5 | 15.1 | 15.4 | 16.7 | 15.9 | 15.3 | 15.9 | 15.2 | 16.6 | 15.1 | 15.7 | 16.0 | 15.0 |
| 197 | 2 | M | 14.0 | 14.8 | 15.4 | 16.0 | 15.8 | 15.4 | 15.0 | 15.6 | 15.5 | 15.1 | 15.4 | 16.7 | 15.9 | 15.3 | 15.9 | 15.2 | 16.6 | 15.1 | 15.7 | 16.0 | 15.0 |
| 198 | 2 | M | 14.0 | 14.8 | 15.4 | 16.0 | 15.8 | 15.4 | 15.0 | 15.6 | 15.5 | 15.1 | 15.4 | 16.7 | 15.9 | 15.3 | 15.9 | 15.2 | 16.6 | 15.1 | 15.7 | 16.0 | 15.0 |
| 199 | 2 | M | 14.1 | 15.3 | 16.9 | 17.7 | 17.8 | 17.4 | 18.0 | 17.3 | 17.0 | 17.2 | 18.2 | 18.1 | 16.7 | 16.7 | 16.9 | 16.3 | 17.1 | 17.2 | 17.0 | 18.5 | 16.1 |
| 200 | 2 | M | 14.1 | 15.3 | 16.9 | 17.7 | 17.8 | 17.4 | 18.0 | 17.3 | 17.0 | 17.2 | 18.2 | 18.1 | 16.7 | 16.7 | 16.9 | 16.3 | 17.1 | 17.2 | 17.0 | 18.5 | 16.1 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 14.1 | 15.3 | 16.9 | 17.7 | 17.8 | 17.4 | 18.0 | 17.3 | 17.0 | 17.2 | 18.2 | 18.1 | 16.7 | 16.7 | 16.9 | 16.3 | 17.1 | 17.2 | 17.0 | 18.5 | 16.1 |
| 202 | 2 | M | 14.1 | 15.8 | 16.0 | 16.0 | 16.1 | 16.3 | 16.9 | 17.1 | 16.6 | 16.9 | 17.3 | 16.1 | 16.8 | 16.3 | 16.4 | 16.8 | 17.0 | 15.9 | 16.6 | 17.2 | 16.1 |
| 203 | 2 | M | 14.1 | 15.8 | 16.0 | 16.0 | 16.1 | 16.3 | 16.9 | 17.1 | 16.6 | 16.9 | 17.3 | 16.1 | 16.8 | 16.3 | 16.4 | 16.8 | 17.0 | 15.9 | 16.6 | 17.2 | 16.1 |
| 204 | 2 | M | 14.1 | 15.8 | 16.0 | 16.0 | 16.1 | 16.3 | 16.9 | 17.1 | 16.6 | 16.9 | 17.3 | 16.1 | 16.8 | 16.3 | 16.4 | 16.8 | 17.0 | 15.9 | 16.6 | 17.2 | 16.1 |
| 205 | 2 | M | 14.5 | 15.3 | 16.5 | 17.0 | 16.5 | 17.0 | 18.6 | 19.2 | 17.5 | 17.6 | 19.3 | 18.9 | 17.3 | 16.2 | 16.8 | 16.8 | 16.7 | 17.2 | 16.2 | 17.9 | 15.4 |
| 206 | 2 | M | 14.5 | 15.3 | 16.5 | 17.0 | 16.5 | 17.0 | 18.6 | 19.2 | 17.5 | 17.6 | 19.3 | 18.9 | 17.3 | 16.2 | 16.8 | 16.8 | 16.7 | 17.2 | 16.2 | 17.9 | 15.4 |
| 207 | 2 | M | 14.5 | 15.3 | 16.5 | 17.0 | 16.5 | 17.0 | 18.6 | 19.2 | 17.5 | 17.6 | 19.3 | 18.9 | 17.3 | 16.2 | 16.8 | 16.8 | 16.7 | 17.2 | 16.2 | 17.9 | 15.4 |
| 208 | 2 | M | 14.6 | 15.7 | 16.5 | 17.6 | 17.0 | 16.4 | 17.3 | 17.0 | 16.4 | 16.9 | 17.4 | 17.7 | 16.9 | 16.3 | 16.0 | 15.8 | 16.0 | 15.7 | 16.0 | 16.8 | 15.7 |
| 209 | 2 | M | 14.6 | 15.7 | 16.5 | 17.6 | 17.0 | 16.4 | 17.3 | 17.0 | 16.4 | 16.9 | 17.4 | 17.7 | 16.9 | 16.3 | 16.0 | 15.8 | 16.0 | 15.7 | 16.0 | 16.8 | 15.7 |
| 210 | 2 | M | 14.6 | 15.7 | 16.5 | 17.6 | 17.0 | 16.4 | 17.3 | 17.0 | 16.4 | 16.9 | 17.4 | 17.7 | 16.9 | 16.3 | 16.0 | 15.8 | 16.0 | 15.7 | 16.0 | 16.8 | 15.7 |
| 211 | 2 | M | 14.7 | 16.0 | 15.7 | 16.4 | 16.2 | 16.2 | 16.5 | 15.9 | 15.7 | 16.2 | 16.6 | 16.3 | 16.2 | 15.3 | 15.3 | 14.9 | 15.0 | 14.6 | 15.1 | 15.2 | 14.9 |
| 212 | 2 | M | 14.7 | 16.0 | 15.7 | 16.4 | 16.2 | 16.2 | 16.5 | 15.9 | 15.7 | 16.2 | 16.6 | 16.3 | 16.2 | 15.3 | 15.3 | 14.9 | 15.0 | 14.6 | 15.1 | 15.2 | 14.9 |
| 213 | 2 | M | 14.7 | 16.0 | 15.7 | 16.4 | 16.2 | 16.2 | 16.5 | 15.9 | 15.7 | 16.2 | 16.6 | 16.3 | 16.2 | 15.3 | 15.3 | 14.9 | 15.0 | 14.6 | 15.1 | 15.2 | 14.9 |
| 214 | 2 | M | 14.4 | 15.5 | 16.5 | 16.9 | 16.6 | 17.0 | 18.0 | 18.4 | 17.8 | 17.9 | 18.0 | 17.5 | 17.4 | 15.6 | 15.9 | 16.6 | 16.3 | 15.6 | 16.4 | 16.4 | 15.9 |
| 215 | 2 | M | 14.4 | 15.5 | 16.5 | 16.9 | 16.6 | 17.0 | 18.0 | 18.4 | 17.8 | 17.9 | 18.0 | 17.5 | 17.4 | 15.6 | 15.9 | 16.6 | 16.3 | 15.6 | 16.4 | 16.4 | 15.9 |
| 216 | 2 | M | 14.4 | 15.5 | 16.5 | 16.9 | 16.6 | 17.0 | 18.0 | 18.4 | 17.8 | 17.9 | 18.0 | 17.5 | 17.4 | 15.6 | 15.9 | 16.6 | 16.3 | 15.6 | 16.4 | 16.4 | 15.9 |
| 217 | 2 | M | 14.7 | 16.0 | 16.5 | 16.3 | 16.1 | 16.5 | 17.6 | 17.5 | 16.6 | 18.3 | 18.0 | 18.0 | 17.3 | 16.7 | 17.4 | 16.1 | 15.8 | 17.0 | 16.4 | 17.6 | 16.7 |
| 218 | 2 | M | 14.7 | 16.0 | 16.5 | 16.3 | 16.1 | 16.5 | 17.6 | 17.5 | 16.6 | 18.3 | 18.0 | 18.0 | 17.3 | 16.7 | 17.4 | 16.1 | 15.8 | 17.0 | 16.4 | 17.6 | 16.7 |
| 219 | 2 | M | 14.7 | 16.0 | 16.5 | 16.3 | 16.1 | 16.5 | 17.6 | 17.5 | 16.6 | 18.3 | 18.0 | 18.0 | 17.3 | 16.7 | 17.4 | 16.1 | 15.8 | 17.0 | 16.4 | 17.6 | 16.7 |
| 220 | 2 | M | 13.9 | 15.1 | 16.3 | 17.1 | 16.7 | 17.0 | 18.2 | 17.9 | 16.7 | 16.5 | 17.1 | 18.0 | 16.8 | 14.8 | 15.4 | 16.6 | 16.2 | 15.9 | 15.5 | 17.0 | 15.6 |
| 221 | 2 | M | 13.9 | 15.1 | 16.3 | 17.1 | 16.7 | 17.0 | 18.2 | 17.9 | 16.7 | 16.5 | 17.1 | 18.0 | 16.8 | 14.8 | 15.4 | 16.6 | 16.2 | 15.9 | 15.5 | 17.0 | 15.6 |
| 222 | 2 | M | 13.9 | 15.1 | 16.3 | 17.1 | 16.7 | 17.0 | 18.2 | 17.9 | 16.7 | 16.5 | 17.1 | 18.0 | 16.8 | 14.8 | 15.4 | 16.6 | 16.2 | 15.9 | 15.5 | 17.0 | 15.6 |
| 223 | 2 | M | 13.4 | 14.6 | 16.0 | 18.8 | 17.1 | 16.7 | 16.7 | 16.3 | 15.7 | 16.1 | 16.8 | 17.1 | 16.5 | 15.7 | 16.1 | 16.0 | 16.0 | 15.8 | 16.3 | 16.3 | 15.8 |
| 224 | 2 | M | 13.4 | 14.6 | 16.0 | 18.8 | 17.1 | 16.7 | 16.7 | 16.3 | 15.7 | 16.1 | 16.8 | 17.1 | 16.5 | 15.7 | 16.1 | 16.0 | 16.0 | 15.8 | 16.3 | 16.3 | 15.8 |
| 225 | 2 | M | 13.4 | 14.6 | 16.0 | 18.8 | 17.1 | 16.7 | 16.7 | 16.3 | 15.7 | 16.1 | 16.8 | 17.1 | 16.5 | 15.7 | 16.1 | 16.0 | 16.0 | 15.8 | 16.3 | 16.3 | 15.8 |
| 226 | 2 | F | 11.3 | 12.0 | 11.5 | 11.1 | 10.6 | 10.7 | 10.2 | 10.8 | 10.1 | 10.3 | 10.3 | 10.6 | 10.0 | 10.0 | 9.4 | 10.2 | 10.1 | 10.8 | 9.5 | 9.9 | 9.6 |
| 227 | 2 | F | 11.3 | 12.0 | 11.5 | 11.1 | 10.6 | 10.7 | 10.2 | 10.8 | 10.1 | 10.3 | 10.3 | 10.6 | 10.0 | 10.0 | 9.4 | 10.2 | 10.1 | 10.8 | 9.5 | 9.9 | 9.6 |
| 228 | 2 | F | 11.3 | 12.0 | 11.5 | 11.1 | 10.6 | 10.7 | 10.2 | 10.8 | 10.1 | 10.3 | 10.3 | 10.6 | 10.0 | 10.0 | 9.4 | 10.2 | 10.1 | 10.8 | 9.5 | 9.9 | 9.6 |
| 229 | 2 | F | 10.4 | 11.1 | 11.2 | 10.4 | 10.3 | 9.9 | 9.4 | 9.8 | 8.9 | 13.7 | 9.5 | 9.7 | 10.0 | 8.9 | 9.0 | 9.4 | 9.1 | 8.8 | 8.9 | 9.6 | 8.8 |
| 230 | 2 | F | 10.4 | 11.1 | 11.2 | 10.4 | 10.3 | 9.9 | 9.4 | 9.8 | 8.9 | 13.7 | 9.5 | 9.7 | 10.0 | 8.9 | 9.0 | 9.4 | 9.1 | 8.8 | 8.9 | 9.6 | 8.8 |
| 231 | 2 | F | 10.4 | 11.1 | 11.2 | 10.4 | 10.3 | 9.9 | 9.4 | 9.8 | 8.9 | 13.7 | 9.5 | 9.7 | 10.0 | 8.9 | 9.0 | 9.4 | 9.1 | 8.8 | 8.9 | 9.6 | 8.8 |
| 232 | 2 | F | 11.8 | 11.8 | 11.5 | 10.8 | 10.8 | 10.3 | 10.9 | 10.6 | 10.2 | 13.4 | 10.5 | 10.2 | 9.8 | 10.3 | 9.4 | 10.0 | 9.7 | 8.5 | 9.8 | 10.0 | 10.0 |
| 233 | 2 | F | 11.8 | 11.8 | 11.5 | 10.8 | 10.8 | 10.3 | 10.9 | 10.6 | 10.2 | 13.4 | 10.5 | 10.2 | 9.8 | 10.3 | 9.4 | 10.0 | 9.7 | 8.5 | 9.8 | 10.0 | 10.0 |
| 234 | 2 | F | 11.8 | 11.8 | 11.5 | 10.8 | 10.8 | 10.3 | 10.9 | 10.6 | 10.2 | 13.4 | 10.5 | 10.2 | 9.8 | 10.3 | 9.4 | 10.0 | 9.7 | 8.5 | 9.8 | 10.0 | 10.0 |
| 235 | 2 | F | 10.8 | 11.4 | 11.3 | 11.2 | 10.6 | 10.7 | 10.5 | 10.4 | 10.1 | 10.1 | 10.2 | 11.0 | 10.3 | 9.9 | 9.5 | 10.0 | 9.5 | 9.0 | 9.5 | 10.0 | 9.7 |
| 236 | 2 | F | 10.8 | 11.4 | 11.3 | 11.2 | 10.6 | 10.7 | 10.5 | 10.4 | 10.1 | 10.1 | 10.2 | 11.0 | 10.3 | 9.9 | 9.5 | 10.0 | 9.5 | 9.0 | 9.5 | 10.0 | 9.7 |
| 237 | 2 | F | 10.8 | 11.4 | 11.3 | 11.2 | 10.6 | 10.7 | 10.5 | 10.4 | 10.1 | 10.1 | 10.2 | 11.0 | 10.3 | 9.9 | 9.5 | 10.0 | 9.5 | 9.0 | 9.5 | 10.0 | 9.7 |
| 238 | 2 | F | 11.7 | 12.1 | 12.0 | 11.6 | 11.6 | 11.4 | 11.7 | 11.2 | 10.3 | 10.6 | 10.6 | 11.0 | 10.5 | 10.5 | 10.7 | 10.7 | 9.8 | 9.3 | 10.0 | 10.8 | 10.6 |
| 239 | 2 | F | 11.7 | 12.1 | 12.0 | 11.6 | 11.6 | 11.4 | 11.7 | 11.2 | 10.3 | 10.6 | 10.6 | 11.0 | 10.5 | 10.5 | 10.7 | 10.7 | 9.8 | 9.3 | 10.0 | 10.8 | 10.6 |
| 240 | 2 | F | 11.7 | 12.1 | 12.0 | 11.6 | 11.6 | 11.4 | 11.7 | 11.2 | 10.3 | 10.6 | 10.6 | 11.0 | 10.5 | 10.5 | 10.7 | 10.7 | 9.8 | 9.3 | 10.0 | 10.8 | 10.6 |

---- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 241 | 2 | F | 10.8 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.0 | 11.1 | 10.2 | 11.3 | 10.2 | 11.0 | 10.4 | 9.7 | 9.8 | 10.6 | 9.5 | 9.4 | 9.8 | 10.0 | 9.6 |
| 242 | 2 | F | 10.8 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.0 | 11.1 | 10.2 | 11.3 | 10.2 | 11.0 | 10.4 | 9.7 | 9.8 | 10.6 | 9.5 | 9.4 | 9.8 | 10.0 | 9.6 |
| 243 | 2 | F | 10.8 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.0 | 11.1 | 10.2 | 11.3 | 10.2 | 11.0 | 10.4 | 9.7 | 9.8 | 10.6 | 9.5 | 9.4 | 9.8 | 10.0 | 9.6 |
| 244 | 2 | F | 11.3 | 12.1 | 11.0 | 10.9 | 10.8 | 10.7 | 10.8 | 10.9 | 10.1 | 10.5 | 10.3 | 10.6 | 10.0 | 10.1 | 9.6 | 9.6 | 9.5 | 9.2 | 9.3 | 10.0 | 8.9 |
| 245 | 2 | F | 11.3 | 12.1 | 11.0 | 10.9 | 10.8 | 10.7 | 10.8 | 10.9 | 10.1 | 10.5 | 10.3 | 10.6 | 10.0 | 10.1 | 9.6 | 9.6 | 9.5 | 9.2 | 9.3 | 10.0 | 8.9 |
| 246 | 2 | F | 11.3 | 12.1 | 11.0 | 10.9 | 10.8 | 10.7 | 10.8 | 10.9 | 10.1 | 10.5 | 10.3 | 10.6 | 10.0 | 10.1 | 9.6 | 9.6 | 9.5 | 9.2 | 9.3 | 10.0 | 8.9 |
| 247 | 2 | F | 11.5 | 12.0 | 11.5 | 10.8 | 11.3 | 10.7 | 11.7 | 12.0 | 11.2 | 11.6 | 10.9 | 10.7 | 11.4 | 11.2 | 10.8 | 10.2 | 10.8 | 10.2 | 10.1 | 11.0 | 10.4 |
| 248 | 2 | F | 11.5 | 12.0 | 11.5 | 10.8 | 11.3 | 10.7 | 11.7 | 12.0 | 11.2 | 11.6 | 10.9 | 10.7 | 11.4 | 11.2 | 10.8 | 10.2 | 10.8 | 10.2 | 10.1 | 11.0 | 10.4 |
| 249 | 2 | F | 11.5 | 12.0 | 11.5 | 10.8 | 11.3 | 10.7 | 11.7 | 12.0 | 11.2 | 11.6 | 10.9 | 10.7 | 11.4 | 11.2 | 10.8 | 10.2 | 10.8 | 10.2 | 10.1 | 11.0 | 10.4 |
| 250 | 2 | F | 11.1 | 12.4 | 11.8 | 11.5 | 11.4 | 11.0 | 11.2 | 11.7 | 10.8 | 11.0 | 11.4 | 11.3 | 11.1 | 11.1 | 10.8 | 10.9 | 10.5 | 9.8 | 9.7 | 10.8 | 10.7 |
| 251 | 2 | F | 11.1 | 12.4 | 11.8 | 11.5 | 11.4 | 11.0 | 11.2 | 11.7 | 10.8 | 11.0 | 11.4 | 11.3 | 11.1 | 11.1 | 10.8 | 10.9 | 10.5 | 9.8 | 9.7 | 10.8 | 10.7 |
| 252 | 2 | F | 11.1 | 12.4 | 11.8 | 11.5 | 11.4 | 11.0 | 11.2 | 11.7 | 10.8 | 11.0 | 11.4 | 11.3 | 11.1 | 11.1 | 10.8 | 10.9 | 10.5 | 9.8 | 9.7 | 10.8 | 10.7 |
| 253 | 2 | F | 11.7 | 13.3 | 12.3 | 11.6 | 12.0 | 11.3 | 11.7 | 11.8 | 11.0 | 11.7 | 11.1 | 11.2 | 10.9 | 10.5 | 11.1 | 11.6 | 11.1 | 10.7 | 10.4 | 11.4 | 10.9 |
| 254 | 2 | F | 11.7 | 13.3 | 12.3 | 11.6 | 12.0 | 11.3 | 11.7 | 11.8 | 11.0 | 11.7 | 11.1 | 11.2 | 10.9 | 10.5 | 11.1 | 11.6 | 11.1 | 10.7 | 10.4 | 11.4 | 10.9 |
| 255 | 2 | F | 11.7 | 13.3 | 12.3 | 11.6 | 12.0 | 11.3 | 11.7 | 11.8 | 11.0 | 11.7 | 11.1 | 11.2 | 10.9 | 10.5 | 11.1 | 11.6 | 11.1 | 10.7 | 10.4 | 11.4 | 10.9 |
| 256 | 2 | F | 12.0 | 12.4 | 12.2 | 12.3 | 11.8 | 11.6 | 11.7 | 11.7 | 11.3 | 11.7 | 11.7 | 11.7 | 11.5 | 11.5 | 11.0 | 11.5 | 10.9 | 10.5 | 11.0 | 11.5 | 10.2 |
| 257 | 2 | F | 12.0 | 12.4 | 12.2 | 12.3 | 11.8 | 11.6 | 11.7 | 11.7 | 11.3 | 11.7 | 11.7 | 11.7 | 11.5 | 11.5 | 11.0 | 11.5 | 10.9 | 10.5 | 11.0 | 11.5 | 10.2 |
| 258 | 2 | F | 12.0 | 12.4 | 12.2 | 12.3 | 11.8 | 11.6 | 11.7 | 11.7 | 11.3 | 11.7 | 11.7 | 11.7 | 11.5 | 11.5 | 11.0 | 11.5 | 10.9 | 10.5 | 11.0 | 11.5 | 10.2 |
| 259 | 2 | F | 11.0 | 11.6 | 11.7 | 11.1 | 10.9 | 10.9 | 11.0 | 11.3 | 10.4 | 11.2 | 11.1 | 11.1 | 10.8 | 10.7 | 10.3 | 9.7 | 10.5 | 9.9 | 9.4 | 10.0 | 10.2 |
| 260 | 2 | F | 11.0 | 11.6 | 11.7 | 11.1 | 10.9 | 10.9 | 11.0 | 11.3 | 10.4 | 11.2 | 11.1 | 11.1 | 10.8 | 10.7 | 10.3 | 9.7 | 10.5 | 9.9 | 9.4 | 10.0 | 10.2 |
| 261 | 2 | F | 11.0 | 11.6 | 11.7 | 11.1 | 10.9 | 10.9 | 11.0 | 11.3 | 10.4 | 11.2 | 11.1 | 11.1 | 10.8 | 10.7 | 10.3 | 9.7 | 10.5 | 9.9 | 9.4 | 10.0 | 10.2 |
| 262 | 2 | F | 10.0 | 11.5 | 11.0 | 10.9 | 8.4 | 10.6 | 10.7 | 11.0 | 10.5 | 11.0 | 11.0 | 10.7 | 10.2 | 10.6 | 9.2 | 8.8 | 9.0 | 8.6 | 8.3 | 8.6 | 8.6 |
| 263 | 2 | F | 10.0 | 11.5 | 11.0 | 10.9 | 8.4 | 10.6 | 10.7 | 11.0 | 10.5 | 11.0 | 11.0 | 10.7 | 10.2 | 10.6 | 9.2 | 8.8 | 9.0 | 8.6 | 8.3 | 8.6 | 8.6 |
| 264 | 2 | F | 10.0 | 11.5 | 11.0 | 10.9 | 8.4 | 10.6 | 10.7 | 11.0 | 10.5 | 11.0 | 11.0 | 10.7 | 10.2 | 10.6 | 9.2 | 8.8 | 9.0 | 8.6 | 8.3 | 8.6 | 8.6 |
| 265 | 2 | F | 10.5 | 11.1 | 11.3 | 10.9 | 10.0 | 10.7 | 11.2 | 11.3 | 11.0 | 9.7 | 11.5 | 11.8 | 11.0 | 11.3 | 10.2 | 10.6 | 10.4 | 9.7 | 9.6 | 10.5 | 9.7 |
| 266 | 2 | F | 10.5 | 11.1 | 11.3 | 10.9 | 10.0 | 10.7 | 11.2 | 11.3 | 11.0 | 9.7 | 11.5 | 11.8 | 11.0 | 11.3 | 10.2 | 10.6 | 10.4 | 9.7 | 9.6 | 10.5 | 9.7 |
| 267 | 2 | F | 10.5 | 11.1 | 11.3 | 10.9 | 10.0 | 10.7 | 11.2 | 11.3 | 11.0 | 9.7 | 11.5 | 11.8 | 11.0 | 11.3 | 10.2 | 10.6 | 10.4 | 9.7 | 9.6 | 10.5 | 9.7 |
| 268 | 2 | F | 11.4 | 12.4 | 11.8 | 11.8 | 11.1 | 10.8 | 11.1 | 11.2 | 10.5 | 10.5 | 10.7 | 11.0 | 10.7 | 9.2 | 9.6 | 10.1 | 9.3 | 9.3 | 9.7 | 10.8 | 9.4 |
| 269 | 2 | F | 11.4 | 12.4 | 11.8 | 11.8 | 11.1 | 10.8 | 11.1 | 11.2 | 10.5 | 10.5 | 10.7 | 11.0 | 10.7 | 9.2 | 9.6 | 10.1 | 9.3 | 9.3 | 9.7 | 10.8 | 9.4 |
| 270 | 2 | F | 11.4 | 12.4 | 11.8 | 11.8 | 11.1 | 10.8 | 11.1 | 11.2 | 10.5 | 10.5 | 10.7 | 11.0 | 10.7 | 9.2 | 9.6 | 10.1 | 9.3 | 9.3 | 9.7 | 10.8 | 9.4 |
| 271 | 2 | F | 11.6 | 12.0 | 12.7 | 10.8 | 10.8 | 10.8 | 10.6 | 10.6 | 10.4 | 10.7 | 10.7 | 11.3 | 10.7 | 10.6 | 10.2 | 10.5 | 9.7 | 9.6 | 9.7 | 10.8 | 10.7 |
| 272 | 2 | F | 11.6 | 12.0 | 12.7 | 10.8 | 10.8 | 10.8 | 10.6 | 10.6 | 10.4 | 10.7 | 10.7 | 11.3 | 10.7 | 10.6 | 10.2 | 10.5 | 9.7 | 9.6 | 9.7 | 10.8 | 10.7 |
| 273 | 2 | F | 11.6 | 12.0 | 12.7 | 10.8 | 10.8 | 10.8 | 10.6 | 10.6 | 10.4 | 10.7 | 10.7 | 11.3 | 10.7 | 10.6 | 10.2 | 10.5 | 9.7 | 9.6 | 9.7 | 10.8 | 10.7 |
| 274 | 2 | F | 11.2 | 11.6 | 11.4 | 11.3 | 11.4 | 11.2 | 11.0 | 11.2 | 11.0 | 10.8 | 11.2 | 11.5 | 11.7 | 10.8 | 10.4 | 10.5 | 10.8 | 9.6 | 9.1 | 10.7 | 10.0 |
| 275 | 2 | F | 11.2 | 11.6 | 11.4 | 11.3 | 11.4 | 11.2 | 11.0 | 11.2 | 11.0 | 10.8 | 11.2 | 11.5 | 11.7 | 10.8 | 10.4 | 10.5 | 10.8 | 9.6 | 9.1 | 10.7 | 10.0 |
| 276 | 2 | F | 11.2 | 11.6 | 11.4 | 11.3 | 11.4 | 11.2 | 11.0 | 11.2 | 11.0 | 10.8 | 11.2 | 11.5 | 11.7 | 10.8 | 10.4 | 10.5 | 10.8 | 9.6 | 9.1 | 10.7 | 10.0 |
| 277 | 2 | F | 12.0 | 11.8 | 12.3 | 11.3 | 10.7 | 10.0 | 10.8 | 10.7 | 10.1 | 10.4 | 11.4 | 11.1 | 10.3 | 10.0 | 10.1 | 9.9 | 9.1 | 9.5 | 9.4 | 10.0 | 9.0 |
| 278 | 2 | F | 12.0 | 11.8 | 12.3 | 11.3 | 10.7 | 10.0 | 10.8 | 10.7 | 10.1 | 10.4 | 11.4 | 11.1 | 10.3 | 10.0 | 10.1 | 9.9 | 9.1 | 9.5 | 9.4 | 10.0 | 9.0 |
| 279 | 2 | F | 12.0 | 11.8 | 12.3 | 11.3 | 10.7 | 10.0 | 10.8 | 10.7 | 10.1 | 10.4 | 11.4 | 11.1 | 10.3 | 10.0 | 10.1 | 9.9 | 9.1 | 9.5 | 9.4 | 10.0 | 9.0 |
| 280 | 2 | F | 12.0 | 13.0 | 11.6 | 11.5 | 11.6 | 10.7 | 11.2 | 11.5 | 11.0 | 11.3 | 11.3 | 11.4 | 11.0 | 10.6 | 10.1 | 10.3 | 9.8 | 9.8 | 9.8 | 10.7 | 10.1 |

NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 2 | F | 12.0 | 13.0 | 11.6 | 11.5 | 11.6 | 10.7 | 11.2 | 11.5 | 11.0 | 11.3 | 11.3 | 11.4 | 11.0 | 10.6 | 10.1 | 10.3 | 9.8 | 9.8 | 9.8 | 10.7 | 10.1 |
| 282 | 2 | F | 12.0 | 13.0 | 11.6 | 11.5 | 11.6 | 10.7 | 11.2 | 11.5 | 11.0 | 11.3 | 11.3 | 11.4 | 11.0 | 10.6 | 10.1 | 10.3 | 9.8 | 9.8 | 9.8 | 10.7 | 10.1 |
| 283 | 2 | F | 11.4 | 11.9 | 11.6 | 11.8 | 11.5 | 11.0 | 11.5 | 11.6 | 11.0 | 11.5 | 11.5 | 11.5 | 10.9 | 10.4 | 10.0 | 9.7 | 9.0 | 9.5 | 9.2 | 10.0 | 8.4 |
| 284 | 2 | F | 11.4 | 11.9 | 11.6 | 11.8 | 11.5 | 11.0 | 11.5 | 11.6 | 11.0 | 11.5 | 11.5 | 11.5 | 10.9 | 10.4 | 10.0 | 9.7 | 9.0 | 9.5 | 9.2 | 10.0 | 8.4 |
| 285 | 2 | F | 11.4 | 11.9 | 11.6 | 11.8 | 11.5 | 11.0 | 11.5 | 11.6 | 11.0 | 11.5 | 11.5 | 11.5 | 10.9 | 10.4 | 10.0 | 9.7 | 9.0 | 9.5 | 9.2 | 10.0 | 8.4 |
| 286 | 2 | F | 10.2 | 12.5 | 11.4 | 12.3 | 11.5 | 11.0 | 11.3 | 11.6 | 11.3 | 11.3 | 11.1 | 11.4 | 10.5 | 10.6 | 10.6 | 10.0 | 9.6 | 8.9 | 8.8 | 10.6 | 9.4 |
| 287 | 2 | F | 10.2 | 12.5 | 11.4 | 12.3 | 11.5 | 11.0 | 11.3 | 11.6 | 11.3 | 11.3 | 11.1 | 11.4 | 10.5 | 10.6 | 10.6 | 10.0 | 9.6 | 8.9 | 8.8 | 10.6 | 9.4 |
| 288 | 2 | F | 10.2 | 12.5 | 11.4 | 12.3 | 11.5 | 11.0 | 11.3 | 11.6 | 11.3 | 11.3 | 11.1 | 11.4 | 10.5 | 10.6 | 10.6 | 10.0 | 9.6 | 8.9 | 8.8 | 10.6 | 9.4 |
| 289 | 2 | F | 11.1 | 11.4 | 10.9 | 11.0 | 10.3 | 10.1 | 10.4 | 10.5 | 10.6 | 10.3 | 10.5 | 10.9 | 10.7 | 10.0 | 9.6 | 9.6 | 9.2 | 8.9 | 9.4 | 9.6 | 9.0 |
| 290 | 2 | F | 11.1 | 11.4 | 10.9 | 11.0 | 10.3 | 10.1 | 10.4 | 10.5 | 10.6 | 10.3 | 10.5 | 10.9 | 10.7 | 10.0 | 9.6 | 9.6 | 9.2 | 8.9 | 9.4 | 9.6 | 9.0 |
| 291 | 2 | F | 11.1 | 11.4 | 10.9 | 11.0 | 10.3 | 10.1 | 10.4 | 10.5 | 10.6 | 10.3 | 10.5 | 10.9 | 10.7 | 10.0 | 9.6 | 9.6 | 9.2 | 8.9 | 9.4 | 9.6 | 9.0 |
| 292 | 2 | F | 11.0 | 11.6 | 11.2 | 12.0 | 11.0 | 10.5 | 10.9 | 10.5 | 10.4 | 10.4 | 9.8 | 10.2 | 10.0 | 9.2 | 9.0 | 9.1 | 9.0 | 9.1 | 9.5 | 9.3 | 9.9 |
| 293 | 2 | F | 11.0 | 11.6 | 11.2 | 12.0 | 11.0 | 10.5 | 10.9 | 10.5 | 10.4 | 10.4 | 9.8 | 10.2 | 10.0 | 9.2 | 9.0 | 9.1 | 9.0 | 9.1 | 9.5 | 9.3 | 9.9 |
| 294 | 2 | F | 11.0 | 11.6 | 11.2 | 12.0 | 11.0 | 10.5 | 10.9 | 10.5 | 10.4 | 10.4 | 9.8 | 10.2 | 10.0 | 9.2 | 9.0 | 9.1 | 9.0 | 9.1 | 9.5 | 9.3 | 9.9 |
| 295 | 2 | F | 11.6 | 11.9 | 11.7 | 11.9 | 11.4 | 10.9 | 11.0 | 11.0 | 10.9 | 10.9 | 11.2 | 10.8 | 10.4 | 9.9 | 9.9 | 10.1 | 9.9 | 9.3 | 9.5 | 10.3 | 10.1 |
| 296 | 2 | F | 11.6 | 11.9 | 11.7 | 11.9 | 11.4 | 10.9 | 11.0 | 11.0 | 10.9 | 10.9 | 11.2 | 10.8 | 10.4 | 9.9 | 9.9 | 10.1 | 9.9 | 9.3 | 9.5 | 10.3 | 10.1 |
| 297 | 2 | F | 11.6 | 11.9 | 11.7 | 11.9 | 11.4 | 10.9 | 11.0 | 11.0 | 10.9 | 10.9 | 11.2 | 10.8 | 10.4 | 9.9 | 9.9 | 10.1 | 9.9 | 9.3 | 9.5 | 10.3 | 10.1 |
| 298 | 2 | F | 10.5 | 11.1 | 11.4 | 11.2 | 10.3 | 10.4 | 10.2 | 11.1 | 10.4 | 10.5 | 10.6 | 11.1 | 9.5 | 9.8 | 9.3 | 9.3 | 9.3 | 9.1 | 9.7 | 10.4 | 9.9 |
| 299 | 2 | F | 10.5 | 11.1 | 11.4 | 11.2 | 10.3 | 10.4 | 10.2 | 11.1 | 10.4 | 10.5 | 10.6 | 11.1 | 9.5 | 9.8 | 9.3 | 9.3 | 9.3 | - | - | - | - |
| 300 | 2 | F | 10.5 | 11.1 | 11.4 | 11.2 | 10.3 | 10.4 | 10.2 | 11.1 | 10.4 | 10.5 | 10.6 | 11.1 | 9.5 | 9.8 | 9.3 | 9.3 | 9.3 | 9.1 | 9.7 | 10.4 | 9.9 |
| 301 | 3 | M | 13.1 | 14.4 | 15.0 | 15.1 | 15.6 | 16.0 | 15.6 | 16.5 | 15.6 | 16.9 | 17.9 | 18.0 | 17.2 | 11.2 | 14.2 | 16.5 | 16.2 | 15.9 | 16.0 | 16.2 | 17.5 |
| 302 | 3 | M | 13.1 | 14.4 | 15.0 | 15.1 | 15.6 | 16.0 | 15.6 | 16.5 | 15.6 | 16.9 | 17.9 | 18.0 | 17.2 | 11.2 | 14.2 | 16.5 | 16.2 | 15.9 | 16.0 | 16.2 | 17.5 |
| 303 | 3 | M | 13.1 | 14.4 | 15.0 | 15.1 | 15.6 | 16.0 | 15.6 | 16.5 | 15.6 | 16.9 | 17.9 | 18.0 | 17.2 | 11.2 | 14.[illegible] | 16.5 | 16.2 | 15.9 | 16.0 | 16.2 | 17.5 |
| 304 | 3 | M | 13.2 | 13.5 | 14.6 | 15.0 | 15.1 | 15.3 | 15.4 | 15.4 | 15.0 | 15.8 | 15.9 | 15.8 | 16.0 | 15.7 | 15.3 | 16.0 | 14.9 | 15.3 | 15.1 | 16.1 | 15.8 |
| 305 | 3 | M | 13.2 | 13.5 | 14.6 | 15.0 | 15.1 | 15.3 | 15.4 | 15.4 | 15.0 | 15.8 | 15.9 | 15.8 | 16.0 | 15.7 | 15.3 | 16.0 | 14.9 | 15.3 | 15.1 | 16.1 | 15.8 |
| 306 | 3 | M | 13.2 | 13.5 | 14.6 | 15.0 | 15.1 | 15.3 | 15.4 | 15.4 | 15.0 | 15.8 | 15.9 | 15.8 | 16.0 | 15.7 | 15.3 | 16.0 | 14.9 | 15.3 | 15.1 | 16.1 | 15.8 |
| 307 | 3 | M | 15.0 | 16.8 | 16.1 | 19.0 | 17.0 | 16.8 | 16.7 | 16.5 | 15.9 | 16.3 | 17.3 | 16.7 | 16.8 | 15.3 | 15.8 | 16.4 | 16.3 | 15.4 | 15.5 | 15.7 | 16.6 |
| 308 | 3 | M | 15.0 | 16.8 | 16.1 | 19.0 | 17.0 | 16.8 | 16.7 | 16.5 | 15.9 | 16.3 | 17.3 | 16.7 | 16.8 | 15.3 | 15.8 | 16.4 | 16.3 | 15.4 | 15.5 | 15.7 | 16.6 |
| 309 | 3 | M | 15.0 | 16.8 | 16.1 | 19.0 | 17.0 | 16.8 | 16.7 | 16.5 | 15.9 | 16.3 | 17.3 | 16.7 | 16.8 | 15.3 | 15.8 | 16.4 | 16.3 | 15.4 | 15.5 | 15.7 | 16.6 |
| 310 | 3 | M | 13.0 | 14.1 | 15.4 | 15.2 | 15.9 | 16.3 | 15.8 | 16.4 | 15.1 | 15.4 | 15.7 | 16.1 | 15.1 | 15.1 | 15.4 | 15.7 | 15.5 | 15.1 | 15.1 | 15.5 | 16.0 |
| 311 | 3 | M | 13.0 | 14.1 | 15.4 | 15.2 | 15.9 | 16.3 | 15.8 | 16.4 | 15.1 | 15.4 | 15.7 | 16.1 | 15.1 | 15.1 | 15.4 | 15.7 | 15.5 | 15.1 | 15.1 | 15.5 | 16.0 |
| 312 | 3 | M | 13.0 | 14.1 | 15.4 | 15.2 | 15.9 | 16.3 | 15.8 | 16.4 | 15.1 | 15.4 | 15.7 | 16.1 | 15.1 | 15.1 | 15.4 | 15.7 | 15.5 | 15.1 | 15.1 | 15.5 | 16.0 |
| 313 | 3 | M | 13.8 | 14.9 | 16.3 | 16.1 | 17.0 | 16.6 | 16.7 | 16.2 | 16.1 | 16.3 | 16.6 | 17.2 | 16.2 | 15.3 | 15.4 | 15.4 | 15.8 | 16.0 | 16.3 | 15.5 | 17.0 |
| 314 | 3 | M | 13.8 | 14.9 | 16.3 | 16.1 | 17.0 | 16.6 | 16.7 | 16.2 | 16.1 | 16.3 | 16.6 | 17.2 | 16.2 | 15.3 | 15.4 | 15.4 | 15.8 | 16.0 | 16.3 | 15.5 | 17.0 |
| 315 | 3 | M | 13.8 | 14.9 | 16.3 | 16.1 | 17.0 | 16.6 | 16.7 | 16.2 | 16.1 | 16.3 | 16.6 | 17.2 | 16.2 | 15.3 | 15.4 | 15.4 | 15.8 | 16.0 | 16.3 | 15.5 | 17.0 |
| 316 | 3 | M | 13.6 | 15.6 | 16.3 | 16.0 | 16.9 | 16.5 | 16.4 | 18.6 | 15.5 | 16.0 | 16.8 | 17.8 | 16.3 | 15.4 | 15.9 | 15.8 | 14.9 | 16.0 | 15.9 | 15.8 | 15.5 |
| 317 | 3 | M | 13.6 | 15.6 | 16.3 | 16.0 | 16.9 | 16.5 | 16.4 | 18.6 | 15.5 | 16.0 | 16.8 | 17.8 | 16.3 | 15.4 | 15.9 | 15.8 | 14.9 | 16.0 | 15.9 | 15.8 | 15.5 |
| 318 | 3 | M | 13.6 | 15.6 | 16.3 | 16.0 | 16.9 | 16.5 | 16.4 | 18.6 | 15.5 | 16.0 | 16.8 | 17.8 | 16.3 | 15.4 | 15.9 | 15.8 | 14.9 | 16.0 | 15.9 | 15.8 | 15.5 |
| 319 | 3 | M | 13.9 | 15.6 | 15.6 | 15.5 | 16.1 | 15.7 | 15.2 | 15.7 | 15.0 | 15.3 | 15.2 | 16.5 | 15.3 | 15.0 | 14.6 | 15.0 | 15.3 | 15.2 | 15.3 | 15.6 | 15.3 |
| 320 | 3 | M | 13.9 | 15.6 | 15.6 | 15.5 | 16.1 | 15.7 | 15.2 | 15.7 | 15.0 | 15.3 | 15.2 | 16.5 | 15.3 | 15.0 | 14.6 | 15.0 | 15.3 | 15.2 | 15.3 | 15.6 | 15.3 |

- NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 321 | 3 | M | 13.9 | 15.6 | 15.6 | 15.5 | 16.1 | 15.7 | 15.2 | 15.7 | 15.0 | 15.3 | 15.2 | 16.5 | 15.3 | 15.0 | 14.6 | 15.0 | 15.3 | 15.2 | 15.3 | 15.6 | 15.3 |
| 322 | 3 | M | 12.9 | 14.5 | 15.0 | 15.2 | 15.6 | 15.4 | 15.7 | 15.6 | 15.1 | 15.1 | 16.3 | 16.4 | 15.4 | 15.1 | 14.9 | 14.4 | 14.7 | 15.0 | 15.8 | 15.5 | 15.0 |
| 323 | 3 | M | 12.9 | 14.5 | 15.0 | 15.2 | 15.6 | 15.4 | 15.7 | 15.6 | 15.1 | 15.1 | 16.3 | 16.4 | 15.4 | 15.1 | 14.9 | 14.4 | 14.7 | 15.0 | 15.8 | 15.5 | 15.0 |
| 324 | 3 | M | 12.9 | 14.5 | 15.0 | 15.2 | 15.6 | 15.4 | 15.7 | 15.6 | 15.1 | 15.1 | 16.3 | 16.4 | 15.4 | 15.1 | 14.9 | 14.4 | 14.7 | 15.0 | 15.8 | 15.5 | 15.0 |
| 325 | 3 | M | 13.9 | 16.5 | 16.9 | 16.7 | 16.0 | 15.9 | 16.5 | 16.7 | 15.6 | 15.7 | 16.4 | 15.6 | 15.8 | 15.0 | 15.0 | 15.6 | 15.3 | 15.4 | 16.0 | 15.5 | 15.7 |
| 326 | 3 | M | 13.9 | 16.5 | 16.9 | 16.7 | 16.0 | 15.9 | 16.5 | 16.7 | 15.6 | 15.7 | 16.4 | 15.6 | 15.8 | 15.0 | 15.0 | 15.6 | 15.3 | 15.4 | 16.0 | 15.5 | 15.7 |
| 327 | 3 | M | 13.9 | 16.5 | 16.9 | 16.7 | 16.0 | 15.9 | 16.5 | 16.7 | 15.6 | 15.7 | 16.4 | 15.6 | 15.8 | 15.0 | 15.0 | 15.6 | 15.3 | 15.4 | 16.0 | 15.5 | 15.7 |
| 328 | 3 | M | 13.8 | 15.5 | 15.1 | 15.8 | 16.0 | 15.9 | 16.1 | 16.5 | 15.8 | 16.4 | 17.4 | 17.9 | 17.6 | 16.6 | 16.6 | 16.5 | 16.0 | 16.0 | 16.3 | 16.9 | 15.6 |
| 329 | 3 | M | 13.8 | 15.5 | 15.1 | 15.8 | 16.0 | 15.9 | 16.1 | 16.5 | 15.8 | 16.4 | 17.4 | 17.9 | 17.6 | 16.6 | 16.6 | 16.5 | 16.0 | 16.0 | 16.3 | 16.9 | 15.6 |
| 330 | 3 | M | 13.8 | 15.5 | 15.1 | 15.8 | 16.0 | 15.9 | 16.1 | 16.5 | 15.8 | 16.4 | 17.4 | 17.9 | 17.6 | 16.6 | 16.6 | 16.5 | 16.0 | 16.0 | 16.3 | 16.9 | 15.6 |
| 331 | 3 | M | 14.4 | 16.1 | 16.2 | 16.8 | 16.6 | 17.2 | 17.4 | 17.6 | 16.7 | 16.8 | 17.5 | 17.5 | 17.1 | 16.0 | 16.5 | 16.6 | 16.6 | 16.1 | 16.1 | 17.0 | 15.3 |
| 332 | 3 | M | 14.4 | 16.1 | 16.2 | 16.8 | 16.6 | 17.2 | 17.4 | 17.6 | 16.7 | 16.8 | 17.5 | 17.5 | 17.1 | 16.0 | 16.5 | 16.6 | 16.6 | 16.1 | 16.1 | 17.0 | 15.3 |
| 333 | 3 | M | 14.4 | 16.1 | 16.2 | 16.8 | 16.6 | 17.2 | 17.4 | 17.6 | 16.7 | 16.8 | 17.5 | 17.5 | 17.1 | 16.0 | 16.5 | 16.6 | 16.6 | 16.1 | 16.1 | 17.0 | 15.3 |
| 334 | 3 | M | 13.4 | 16.0 | 16.0 | 17.0 | 16.8 | 17.1 | 18.2 | 16.6 | 16.7 | 16.7 | 18.1 | 18.5 | 16.7 | 17.1 | 16.6 | 17.0 | 16.9 | 16.1 | 15.8 | 16.3 | 15.5 |
| 335 | 3 | M | 13.4 | 16.0 | 16.0 | 17.0 | 16.8 | 17.1 | 18.2 | 16.6 | 16.7 | 16.7 | 18.1 | 18.5 | 16.7 | 17.1 | 16.6 | 17.0 | 16.9 | 16.1 | 15.8 | 16.3 | 15.5 |
| 336 | 3 | M | 13.4 | 16.0 | 16.0 | 17.0 | 16.8 | 17.1 | 18.2 | 16.6 | 16.7 | 16.7 | 18.1 | 18.5 | 16.7 | 17.1 | 16.6 | 17.0 | 16.9 | 16.1 | 15.8 | 16.3 | 15.5 |
| 337 | 3 | M | 15.4 | 16.3 | 16.9 | 16.6 | 16.7 | 16.7 | 20.8 | 17.1 | 16.6 | 17.1 | 17.4 | 17.7 | 16.6 | 16.4 | 15.7 | 16.1 | 16.4 | 15.8 | 16.7 | 17.2 | 15.4 |
| 338 | 3 | M | 15.4 | 16.3 | 16.9 | 16.6 | 16.7 | 16.7 | 20.8 | 17.1 | 16.6 | 17.1 | 17.4 | 17.7 | 16.6 | 16.4 | 15.7 | 16.1 | 16.4 | 15.8 | 16.7 | 17.2 | 15.4 |
| 339 | 3 | M | 15.4 | 16.3 | 16.9 | 16.6 | 16.7 | 16.7 | 20.8 | 17.1 | 16.6 | 17.1 | 17.4 | 17.7 | 16.6 | 16.4 | 15.7 | 16.1 | 16.4 | 15.8 | 16.7 | 17.2 | 15.4 |
| 340 | 3 | M | 13.7 | 15.6 | 15.0 | 19.5 | 17.4 | 16.0 | 16.6 | 16.9 | 16.0 | 17.0 | 17.7 | 17.2 | 19.0 | 15.7 | 15.6 | 16.0 | 16.0 | 16.1 | 15.4 | 17.2 | 15.2 |
| 341 | 3 | M | 13.7 | 15.6 | 15.0 | 19.5 | 17.4 | 16.0 | 16.6 | 16.9 | 16.0 | 17.0 | 17.7 | 17.2 | 19.0 | 15.7 | 15.6 | 16.0 | 16.0 | 16.1 | 15.4 | 17.2 | 15.2 |
| 342 | 3 | M | 13.7 | 15.6 | 15.0 | 19.5 | 17.4 | 16.0 | 16.6 | 16.9 | 16.0 | 17.0 | 17.7 | 17.2 | 19.0 | 15.7 | 15.6 | 16.0 | 16.0 | 16.1 | 15.4 | 17.2 | 15.2 |
| 343 | 3 | M | 13.3 | 14.3 | 15.1 | 16.3 | 17.0 | 16.6 | 16.7 | 17.1 | 17.0 | 16.6 | 16.9 | 17.6 | 17.1 | 16.9 | 15.8 | 16.3 | 15.7 | 15.4 | 16.2 | 15.7 | 15.2 |
| 344 | 3 | M | 13.3 | 14.3 | 15.1 | 16.3 | 17.0 | 16.6 | 16.7 | 17.1 | 17.0 | 16.6 | 16.9 | 17.6 | 17.1 | 16.9 | 15.8 | 16.3 | 15.7 | 15.4 | 16.2 | 15.7 | 15.2 |
| 345 | 3 | M | 13.3 | 14.3 | 15.1 | 16.3 | 17.0 | 16.6 | 16.7 | 17.1 | 17.0 | 16.6 | 16.9 | 17.6 | 17.1 | 16.9 | 15.8 | 16.3 | 15.7 | 15.4 | 16.2 | 15.7 | 15.2 |
| 346 | 3 | M | 14.2 | --- | 16.0 | 15.8 | 16.3 | 16.5 | 16.4 | 17.0 | 16.5 | 17.1 | 17.6 | 18.2 | 16.3 | 15.8 | 16.1 | 15.9 | 16.1 | 15.1 | 15.9 | 16.4 | 16.4 |
| 347 | 3 | M | 14.2 | --- | 16.0 | 15.8 | 16.3 | 16.5 | 16.4 | 17.0 | 16.5 | 17.1 | 17.6 | 18.2 | 16.3 | 15.8 | 16.1 | 15.9 | 16.1 | 15.1 | 15.9 | 16.4 | 16.4 |
| 348 | 3 | M | 14.2 | --- | 16.0 | 15.8 | 16.3 | 16.5 | 16.4 | 17.0 | 16.5 | 17.1 | 17.6 | 18.2 | 16.3 | 15.8 | 16.1 | 15.9 | 16.1 | 15.1 | 15.9 | 16.4 | 16.4 |
| 349 | 3 | M | 14.3 | 17.0 | 16.3 | 18.1 | 17.1 | 17.6 | 17.3 | 17.3 | 16.6 | 17.1 | 18.3 | 18.7 | 17.6 | 16.9 | 16.4 | 17.5 | 17.1 | 16.2 | 15.9 | 17.0 | 16.0 |
| 350 | 3 | M | 14.3 | 17.0 | 16.3 | 18.1 | 17.1 | 17.6 | 17.3 | 17.3 | 16.6 | 17.1 | 18.3 | 18.7 | 17.6 | 16.9 | 16.4 | 17.5 | 17.1 | 16.2 | 15.9 | 17.0 | 16.0 |
| 351 | 3 | M | 14.3 | 17.0 | 16.3 | 18.1 | 17.1 | 17.6 | 17.3 | 17.3 | 16.6 | 17.1 | 18.3 | 18.7 | 17.6 | 16.9 | 16.4 | 17.5 | 17.1 | 16.2 | 15.9 | 17.0 | 16.0 |
| 352 | 3 | M | 14.0 | 15.9 | 15.6 | 19.8 | 16.7 | 16.7 | 17.3 | 17.1 | 16.5 | 17.0 | 17.4 | 17.9 | 17.2 | 16.4 | 16.2 | 17.2 | 17.1 | 16.7 | 17.0 | 16.9 | 16.1 |
| 353 | 3 | M | 14.0 | 15.9 | 15.6 | 19.8 | 16.7 | 16.7 | 17.3 | 17.1 | 16.5 | 17.0 | 17.4 | 17.9 | 17.2 | 16.4 | 16.2 | 17.2 | 17.1 | 16.7 | 17.0 | 16.9 | 16.1 |
| 354 | 3 | M | 14.0 | 15.9 | 15.6 | 19.8 | 16.7 | 16.7 | 17.3 | 17.1 | 16.5 | 17.0 | 17.4 | 17.9 | 17.2 | 16.4 | 16.2 | 17.2 | 17.1 | 16.7 | 17.0 | 16.9 | 16.1 |
| 355 | 3 | M | 14.0 | 15.9 | 16.3 | 19.0 | 15.6 | 15.6 | 16.2 | 16.8 | 15.7 | 16.0 | 17.0 | 17.1 | 15.8 | 15.0 | 15.5 | 15.0 | 16.6 | 15.7 | 14.5 | 15.8 | 14.3 |
| 356 | 3 | M | 14.0 | 15.9 | 16.3 | 19.0 | 15.6 | 15.6 | 16.2 | 16.8 | 15.7 | 16.0 | 17.0 | 17.1 | 15.8 | 15.0 | 15.5 | 15.0 | 16.6 | 15.7 | 14.5 | 15.8 | 14.3 |
| 357 | 3 | M | 14.0 | 15.9 | 16.3 | 19.0 | 15.6 | 15.6 | 16.2 | 16.8 | 15.7 | 16.0 | 17.0 | 17.1 | 15.8 | 15.0 | 15.5 | 15.0 | 16.6 | 15.7 | 14.5 | 15.8 | 14.3 |
| 358 | 3 | M | 13.0 | 14.1 | 15.6 | 15.1 | 15.6 | 15.8 | 16.9 | 17.5 | 16.8 | 16.7 | 17.2 | --- | 16.7 | 16.0 | 15.8 | 16.1 | 16.5 | 15.6 | 16.7 | 17.0 | 15.3 |
| 359 | 3 | M | 13.0 | 14.1 | 15.6 | 15.1 | 15.6 | 15.8 | 16.9 | 17.5 | 16.8 | 16.7 | 17.2 | --- | 16.7 | 16.0 | 15.8 | 16.1 | 16.5 | 15.6 | 16.7 | 17.0 | 15.3 |
| 360 | 3 | M | 13.0 | 14.1 | 15.6 | 15.1 | 15.6 | 15.8 | 16.9 | 17.5 | 16.8 | 16.7 | 17.2 | --- | 16.7 | 16.0 | 15.8 | 16.1 | 16.5 | 15.6 | 16.7 | 17.0 | 15.3 |

--- - NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 361 | 3 | M | 14.2 | 15.3 | 16.0 | 16.6 | 17.6 | 17.2 | 17.6 | 19.3 | 17.5 | 18.1 | 18.4 | 19.0 | 17.2 | 16.1 | 16.0 | 17.4 | 16.8 | 17.2 | 16.2 | 16.8 | 16.0 |
| 362 | 3 | M | 14.2 | 15.3 | 16.0 | 16.6 | 17.6 | 17.2 | 17.6 | 19.3 | 17.5 | 18.1 | 18.4 | 19.0 | 17.2 | 16.1 | 16.0 | 17.4 | 16.8 | 17.2 | 16.2 | 16.8 | 16.0 |
| 363 | 3 | M | 14.2 | 15.3 | 16.0 | 16.6 | 17.6 | 17.2 | 17.6 | 19.3 | 17.5 | 18.1 | 18.4 | 19.0 | 17.2 | 16.1 | 16.0 | 17.4 | 16.8 | 17.2 | 16.2 | 16.8 | 16.0 |
| 364 | 3 | M | 13.6 | 15.6 | 15.5 | 18.3 | 16.8 | 16.5 | 16.8 | 17.1 | 16.9 | 17.4 | 17.0 | 18.7 | 17.0 | 15.7 | 15.6 | 15.9 | 15.8 | 16.0 | 16.4 | 16.6 | 16.0 |
| 365 | 3 | M | 13.6 | 15.6 | 15.5 | 18.3 | 16.8 | 16.5 | 16.8 | 17.1 | 16.9 | 17.4 | 17.0 | 18.7 | 17.0 | 15.7 | 15.6 | 15.9 | 15.8 | 16.0 | 16.4 | 16.6 | 16.0 |
| 366 | 3 | M | 13.6 | 15.6 | 15.5 | 18.3 | 16.8 | 16.5 | 16.8 | 17.1 | 16.9 | 17.4 | 17.0 | 18.7 | 17.0 | 15.7 | 15.6 | 15.9 | 15.8 | 16.0 | 16.4 | 16.6 | 16.0 |
| 367 | 3 | M | 13.7 | 14.6 | 15.6 | 16.0 | 16.4 | 16.1 | 16.0 | 16.1 | 15.6 | 16.4 | 17.0 | 17.3 | 16.0 | 15.6 | 15.6 | 15.7 | 15.7 | 15.5 | 16.0 | 15.8 | 15.5 |
| 368 | 3 | M | 13.7 | 14.6 | 15.6 | 16.0 | 16.4 | 16.1 | 16.0 | 16.1 | 15.6 | 16.4 | 17.0 | 17.3 | 16.0 | 15.6 | 15.6 | 15.7 | 15.7 | 15.5 | 16.0 | 15.8 | 15.5 |
| 369 | 3 | M | 13.7 | 14.6 | 15.6 | 16.0 | 16.4 | 16.1 | 16.0 | 16.1 | 15.6 | 16.4 | 17.0 | 17.3 | 16.0 | 15.6 | 15.6 | 15.7 | 15.7 | 15.5 | 16.0 | 15.8 | 15.5 |
| 370 | 3 | M | 13.0 | 14.7 | 15.9 | 15.7 | 16.4 | 17.0 | 16.7 | 17.2 | 15.3 | 15.2 | 16.3 | 17.7 | 16.5 | 15.4 | 15.6 | 14.8 | 15.5 | 15.6 | 15.9 | 15.4 | 14.7 |
| 371 | 3 | M | 13.0 | 14.7 | 15.9 | 15.7 | 16.4 | 17.0 | 16.7 | 17.2 | 15.3 | 15.2 | 16.3 | 17.7 | 16.5 | 15.4 | 15.6 | 14.8 | 15.5 | 15.6 | 15.9 | 15.4 | 14.7 |
| 372 | 3 | M | 13.0 | 14.7 | 15.9 | 15.7 | 16.4 | 17.0 | 16.7 | 17.2 | 15.3 | 15.2 | 16.3 | 17.7 | 16.5 | 15.4 | 15.6 | 14.8 | 15.5 | 15.6 | 15.9 | 15.4 | 14.7 |
| 373 | 3 | M | 13.0 | 14.9 | 15.7 | 15.7 | 16.2 | 16.1 | 16.0 | 16.6 | 15.8 | 16.4 | 17.1 | 15.8 | 16.3 | 16.2 | 16.3 | 15.9 | 15.3 | 14.8 | 15.2 | 15.7 | 15.0 |
| 374 | 3 | M | 13.0 | 14.9 | 15.7 | 15.7 | 16.2 | 16.1 | 16.0 | 16.6 | 15.8 | 16.4 | 17.1 | 15.8 | 16.3 | 16.2 | 16.3 | 15.9 | 15.3 | 14.8 | 15.2 | 15.7 | 15.0 |
| 375 | 3 | M | 13.0 | 14.9 | 15.7 | 15.7 | 16.2 | 16.1 | 16.0 | 16.6 | 15.8 | 16.4 | 17.1 | 15.8 | 16.3 | 16.2 | 16.3 | 15.9 | 15.3 | 14.8 | 15.2 | 15.7 | 15.0 |
| 376 | 3 | F | 10.1 | 11.3 | 11.2 | 11.5 | 11.2 | 10.7 | 10.3 | 10.2 | 10.6 | 10.3 | 9.9 | 10.2 | 9.5 | 9.0 | 9.4 | 9.4 | 8.9 | 8.7 | 9.2 | 10.0 | 9.3 |
| 377 | 3 | F | 10.1 | 11.3 | 11.2 | 11.5 | 11.2 | 10.7 | 10.3 | 10.2 | 10.6 | 10.3 | 9.9 | 10.2 | 9.5 | 9.0 | 9.4 | 9.4 | 8.9 | 8.7 | 9.2 | 10.0 | 9.3 |
| 378 | 3 | F | 10.1 | 11.3 | 11.2 | 11.5 | 11.2 | 10.7 | 10.3 | 10.2 | 10.6 | 10.3 | 9.9 | 10.2 | 9.5 | 9.0 | 9.4 | 9.4 | 8.9 | 8.7 | 9.2 | 10.0 | 9.3 |
| 379 | 3 | F | 10.9 | 11.4 | 11.5 | 11.1 | 10.7 | 10.2 | 11.1 | 10.6 | 10.5 | 10.4 | 10.8 | 10.5 | 9.7 | 9.7 | 9.2 | 9.7 | 9.5 | 9.3 | 8.8 | 10.0 | 8.2 |
| 380 | 3 | F | 10.9 | 11.4 | 11.5 | 11.1 | 10.7 | 10.2 | 11.1 | 10.6 | 10.5 | 10.4 | 10.8 | 10.5 | 9.7 | 9.7 | 9.2 | 9.7 | 9.5 | 9.3 | 8.8 | 10.0 | 8.2 |
| 381 | 3 | F | 10.9 | 11.4 | 11.5 | 11.1 | 10.7 | 10.2 | 11.1 | 10.6 | 10.5 | 10.4 | 10.8 | 10.5 | 9.7 | 9.7 | 9.2 | 9.7 | 9.5 | 9.3 | 8.8 | 10.0 | 8.2 |
| 382 | 3 | F | 11.5 | 11.8 | 11.9 | 11.7 | 11.8 | 11.6 | 11.2 | 11.4 | 9.4 | 11.3 | 10.9 | 10.3 | 10.2 | 9.9 | 10.0 | 10.2 | 9.6 | 9.7 | 9.9 | 9.8 | 9.8 |
| 383 | 3 | F | 11.5 | 11.8 | 11.9 | 11.7 | 11.8 | 11.6 | 11.2 | 11.4 | 9.4 | 11.3 | 10.9 | 10.3 | 10.2 | 9.9 | 10.0 | 10.2 | 9.6 | 9.7 | 9.9 | 9.8 | 9.8 |
| 384 | 3 | F | 11.5 | 11.8 | 11.9 | 11.7 | 11.8 | 11.6 | 11.2 | 11.4 | 9.4 | 11.3 | 10.9 | 10.3 | 10.2 | 9.9 | 10.0 | 10.2 | 9.6 | 9.7 | 9.9 | 9.8 | 9.8 |
| 385 | 3 | F | 10.2 | 10.8 | 10.3 | 10.5 | 10.3 | 9.8 | 10.2 | 10.3 | 9.5 | 10.0 | 9.6 | 9.5 | 9.6 | 9.2 | 9.1 | 9.5 | 8.4 | 9.1 | 9.1 | 9.6 | 9.4 |
| 386 | 3 | F | 10.2 | 10.8 | 10.3 | 10.5 | 10.3 | 9.8 | 10.2 | 10.3 | 9.5 | 10.0 | 9.6 | 9.5 | 9.6 | 9.2 | 9.1 | 9.5 | 8.4 | 9.1 | 9.1 | 9.6 | 9.4 |
| 387 | 3 | F | 10.2 | 10.8 | 10.3 | 10.5 | 10.3 | 9.8 | 10.2 | 10.3 | 9.5 | 10.0 | 9.6 | 9.5 | 9.6 | 9.2 | 9.1 | 9.5 | 8.4 | 9.1 | 9.1 | 9.6 | 9.4 |
| 388 | 3 | F | 11.0 | 11.5 | 11.0 | 10.7 | 10.3 | 9.9 | 10.0 | 9.8 | 9.4 | 10.3 | 9.8 | 9.9 | 9.5 | 9.8 | 9.9 | 9.6 | 9.1 | 9.0 | 9.1 | 9.9 | 9.0 |
| 389 | 3 | F | 11.0 | 11.5 | 11.0 | 10.7 | 10.3 | 9.9 | 10.0 | 9.8 | 9.4 | 10.3 | 9.8 | 9.9 | 9.5 | 9.8 | 9.9 | 9.6 | 9.1 | 9.0 | 9.1 | 9.9 | 9.0 |
| 390 | 3 | F | 11.0 | 11.5 | 11.0 | 10.7 | 10.3 | 9.9 | 10.0 | 9.8 | 9.4 | 10.3 | 9.8 | 9.9 | 9.5 | 9.8 | 9.9 | 9.6 | 9.1 | 9.0 | 9.1 | 9.9 | 9.0 |
| 391 | 3 | F | 10.7 | 10.6 | 11.5 | 10.7 | 11.1 | 9.9 | 10.4 | 10.5 | 9.9 | 10.0 | 9.7 | 10.3 | 9.8 | 10.2 | 9.6 | 10.0 | 9.5 | 9.1 | 9.2 | 9.7 | 9.2 |
| 392 | 3 | F | 10.7 | 10.6 | 11.5 | 10.7 | 11.1 | 9.9 | 10.4 | 10.5 | 9.9 | 10.0 | 9.7 | 10.3 | 9.8 | 10.2 | 9.6 | 10.0 | 9.5 | 9.1 | 9.2 | 9.7 | 9.2 |
| 393 | 3 | F | 10.7 | 10.6 | 11.5 | 10.7 | 11.1 | 9.9 | 10.4 | 10.5 | 9.9 | 10.0 | 9.7 | 10.3 | 9.8 | 10.2 | 9.6 | 10.0 | 9.5 | 9.1 | 9.2 | 9.7 | 9.2 |
| 394 | 3 | F | 10.9 | 11.2 | 12.1 | 11.0 | 11.2 | 10.9 | 10.4 | 10.7 | 10.1 | 10.9 | 10.1 | 10.4 | 10.2 | 10.0 | 9.7 | 10.1 | 9.1 | 9.0 | 9.6 | 10.0 | 9.0 |
| 395 | 3 | F | 10.9 | 11.2 | 12.1 | 11.0 | 11.2 | 10.9 | 10.4 | 10.7 | 10.1 | 10.9 | 10.1 | 10.4 | 10.2 | 10.0 | 9.7 | 10.1 | 9.1 | 9.0 | 9.6 | 10.0 | 9.0 |
| 396 | 3 | F | 10.9 | 11.2 | 12.1 | 11.0 | 11.2 | 10.9 | 10.4 | 10.7 | 10.1 | 10.9 | 10.1 | 10.4 | 10.2 | 10.0 | 9.7 | 10.1 | 9.1 | 9.0 | 9.6 | 10.0 | 9.0 |
| 397 | 3 | F | 11.6 | 11.6 | 11.7 | 11.0 | 11.1 | 10.6 | 11.0 | 10.3 | 10.0 | 10.0 | 10.3 | 10.4 | 9.5 | 9.8 | 9.0 | 10.0 | 9.5 | 9.2 | 9.4 | 9.7 | 10.0 |
| 398 | 3 | F | 11.6 | 11.6 | 11.7 | 11.0 | 11.1 | 10.6 | 11.0 | 10.3 | 10.0 | 10.0 | 10.3 | 10.4 | 9.5 | 9.8 | 9.0 | 10.0 | 9.5 | 9.2 | 9.4 | 9.7 | 10.0 |
| 399 | 3 | F | 11.6 | 11.6 | 11.7 | 11.0 | 11.1 | 10.6 | 11.0 | 10.3 | 10.0 | 10.0 | 10.3 | 10.4 | 9.5 | 9.8 | 9.0 | 10.0 | 9.5 | 9.2 | 9.4 | 9.7 | 10.0 |
| 400 | 3 | F | 10.8 | 11.0 | 10.9 | 10.8 | 11.1 | 10.3 | 10.5 | 11.2 | 10.2 | 10.8 | 10.0 | 10.5 | 9.3 | 9.8 | 9.2 | 9.8 | 9.2 | 8.3 | 8.7 | 9.7 | 10.0 |

--- - NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 3 | F | 10.8 | 11.0 | 10.9 | 10.8 | 11.1 | 10.3 | 10.5 | 11.2 | 10.2 | 10.8 | 10.0 | 10.5 | 9.3 | 9.8 | 9.2 | 9.8 | 9.2 | 8.3 | 8.7 | 9.7 | 10.0 |
| 402 | 3 | F | 10.8 | 11.0 | 10.9 | 10.8 | 11.1 | 10.3 | 10.5 | 11.2 | 10.2 | 10.8 | 10.0 | 10.5 | 9.3 | 9.8 | 9.2 | 9.8 | 9.2 | 8.3 | 8.7 | 9.7 | 10.0 |
| 403 | 3 | F | 11.5 | 11.8 | 11.2 | 11.1 | 11.0 | 11.1 | 11.0 | 11.5 | 10.9 | 11.1 | 10.4 | 10.8 | 10.2 | 10.1 | 10.4 | 11.1 | 9.9 | 9.2 | 9.8 | 10.8 | 10.4 |
| 404 | 3 | F | 11.5 | 11.8 | 11.2 | 11.1 | 11.0 | 11.1 | 11.0 | 11.5 | 10.9 | 11.1 | 10.4 | 10.8 | 10.2 | 10.1 | 10.4 | 11.1 | 9.9 | 9.2 | 9.8 | 10.8 | 10.4 |
| 405 | 3 | F | 11.5 | 11.8 | 11.2 | 11.1 | 11.0 | 11.1 | 11.0 | 11.5 | 10.9 | 11.1 | 10.4 | 10.8 | 10.2 | 10.1 | 10.4 | 11.1 | 9.9 | 9.2 | 9.8 | 10.8 | 10.4 |
| 406 | 3 | F | 11.5 | 11.5 | 11.6 | 10.9 | 10.8 | 11.0 | 10.6 | 11.0 | 10.7 | 10.7 | 11.0 | 11.4 | 10.2 | 10.2 | 9.5 | 9.8 | 9.2 | 10.1 | 9.4 | 10.0 | 9.7 |
| 407 | 3 | F | 11.5 | 11.5 | 11.6 | 10.9 | 10.8 | 11.0 | 10.6 | 11.0 | 10.7 | 10.7 | 11.0 | 11.4 | 10.2 | 10.2 | 9.5 | 9.8 | 9.2 | 10.1 | 9.4 | 10.0 | 9.7 |
| 408 | 3 | F | 11.5 | 11.5 | 11.6 | 10.9 | 10.8 | 11.0 | 10.6 | 11.0 | 10.7 | 10.7 | 11.0 | 11.4 | 10.2 | 10.2 | 9.5 | 9.8 | 9.2 | 10.1 | 9.4 | 10.0 | 9.7 |
| 409 | 3 | F | 11.3 | 12.2 | 11.2 | 10.4 | 10.9 | 11.4 | 10.5 | 11.3 | 10.3 | 10.4 | 10.7 | 10.7 | 10.1 | 9.9 | 9.5 | 9.9 | 9.5 | 9.5 | 9.4 | 9.8 | 9.5 |
| 410 | 3 | F | 11.3 | 12.2 | 11.2 | 10.4 | 10.9 | 11.4 | 10.5 | 11.3 | 10.3 | 10.4 | 10.7 | 10.7 | 10.1 | 9.9 | 9.5 | 9.9 | 9.5 | 9.5 | 9.4 | 9.8 | 9.5 |
| 411 | 3 | F | 11.3 | 12.2 | 11.2 | 10.4 | 10.9 | 11.4 | 10.5 | 11.3 | 10.3 | 10.4 | 10.7 | 10.7 | 10.1 | 9.9 | 9.5 | 9.9 | 9.5 | 9.5 | 9.4 | 9.8 | 9.5 |
| 412 | 3 | F | 10.7 | 11.3 | 11.0 | 10.5 | 10.9 | 10.8 | 10.6 | 10.2 | 10.0 | 10.1 | 10.0 | 10.0 | 9.7 | 10.0 | 9.6 | 10.0 | 9.5 | 9.0 | 9.0 | 10.4 | 9.4 |
| 413 | 3 | F | 10.7 | 11.3 | 11.0 | 10.5 | 10.9 | 10.8 | 10.6 | 10.2 | 10.0 | 10.1 | 10.0 | 10.0 | 9.7 | 10.0 | 9.6 | 10.0 | 9.5 | 9.0 | 9.0 | 10.4 | 9.4 |
| 414 | 3 | F | 10.7 | 11.3 | 11.0 | 10.5 | 10.9 | 10.8 | 10.6 | 10.2 | 10.0 | 10.1 | 10.0 | 10.0 | 9.7 | 10.0 | 9.6 | 10.0 | 9.5 | 9.0 | 9.0 | 10.4 | 9.4 |
| 415 | 3 | F | 11.3 | 12.7 | 11.5 | 10.9 | 11.5 | 11.9 | 11.9 | 11.4 | 11.0 | 10.8 | 11.4 | 11.0 | 10.6 | 10.6 | 10.5 | 10.7 | 10.1 | 10.0 | 9.9 | 10.8 | 9.8 |
| 416 | 3 | F | 11.3 | 12.7 | 11.5 | 10.9 | 11.5 | 11.9 | 11.9 | 11.4 | 11.0 | 10.8 | 11.4 | 11.0 | 10.6 | 10.6 | 10.5 | 10.7 | 10.1 | 10.0 | 9.9 | 10.8 | 9.8 |
| 417 | 3 | F | 11.3 | 12.7 | 11.5 | 10.9 | 11.5 | 11.9 | 11.9 | 11.4 | 11.0 | 10.8 | 11.4 | 11.0 | 10.6 | 10.6 | 10.5 | 10.7 | 10.1 | 10.0 | 9.9 | 10.8 | 9.8 |
| 418 | 3 | F | 11.4 | 11.3 | 11.8 | 11.2 | 10.9 | 11.0 | 11.0 | 10.9 | 10.1 | 10.5 | 10.3 | 10.8 | 9.8 | 10.4 | 9.8 | 10.8 | 10.3 | 9.1 | 9.1 | 10.1 | 7.1 |
| 419 | 3 | F | 11.4 | 11.3 | 11.8 | 11.2 | 10.9 | 11.0 | 11.0 | 10.9 | 10.1 | 10.5 | 10.3 | 10.8 | 9.8 | 10.4 | 9.8 | 10.8 | 10.3 | 9.1 | 9.1 | 10.1 | 7.1 |
| 420 | 3 | F | 11.4 | 11.3 | 11.8 | 11.2 | 10.9 | 11.0 | 11.0 | 10.9 | 10.1 | 10.5 | 10.3 | 10.8 | 9.8 | 10.4 | 9.8 | 10.8 | 10.3 | 9.1 | 9.1 | 10.1 | 7.1 |
| 421 | 3 | F | 11.7 | 12.5 | 11.6 | 11.0 | 10.9 | 11.4 | 11.3 | 11.0 | 10.2 | 10.8 | 10.8 | 11.0 | 10.3 | 10.0 | 9.7 | 10.7 | 9.8 | 9.2 | 9.5 | 12.0 | 10.4 |
| 422 | 3 | F | 11.7 | 12.5 | 11.6 | 11.0 | 10.9 | 11.4 | 11.3 | 11.0 | 10.2 | 10.8 | 10.8 | 11.0 | 10.3 | 10.0 | 9.7 | 10.7 | 9.8 | 9.2 | 9.5 | 12.0 | 10.4 |
| 423 | 3 | F | 11.7 | 12.5 | 11.6 | 11.0 | 10.9 | 11.4 | 11.3 | 11.0 | 10.2 | 10.8 | 10.8 | 11.0 | 10.3 | 10.0 | 9.7 | 10.7 | 9.8 | 9.2 | 9.5 | 12.0 | 10.4 |
| 424 | 3 | F | 11.5 | 11.7 | 11.4 | 10.3 | 10.5 | 10.6 | 10.0 | 10.1 | 9.5 | 10.4 | 10.4 | 10.1 | --- | 9.7 | 9.6 | 9.9 | 9.4 | 9.2 | 9.6 | 10.4 | 9.3 |
| 425 | 3 | F | 11.5 | 11.7 | 11.4 | 10.3 | 10.5 | 10.6 | 10.0 | 10.1 | 9.5 | 10.4 | 10.4 | 10.1 | --- | 9.7 | 9.6 | 9.9 | 9.4 | 9.2 | 9.6 | 10.4 | 9.3 |
| 426 | 3 | F | 11.5 | 11.7 | 11.4 | 10.3 | 10.5 | 10.6 | 10.0 | 10.1 | 9.5 | 10.4 | 10.4 | 10.1 | --- | 9.7 | 9.6 | 9.9 | 9.4 | 9.2 | 9.6 | 10.4 | 9.3 |
| 427 | 3 | F | 11.9 | 12.5 | 12.0 | 11.3 | 12.0 | 11.9 | --- | 11.1 | 10.7 | 11.5 | 11.0 | 10.6 | 10.9 | 11.0 | 10.3 | 11.0 | 10.1 | 10.0 | 7.6 | 11.5 | 10.6 |
| 428 | 3 | F | 11.9 | 12.5 | 12.0 | 11.3 | 12.0 | 11.9 | --- | 11.1 | 10.7 | 11.5 | 11.0 | 10.6 | 10.9 | 11.0 | 10.3 | 11.0 | 10.1 | 10.0 | 7.6 | 11.5 | 10.6 |
| 429 | 3 | F | 11.9 | 12.5 | 12.0 | 11.3 | 12.0 | 11.9 | --- | 11.1 | 10.7 | 11.5 | 11.0 | 10.6 | 10.9 | 11.0 | 10.3 | 11.0 | 10.1 | 10.0 | 7.6 | 11.5 | 10.6 |
| 430 | 3 | F | 12.4 | 12.6 | 11.8 | 11.9 | 12.5 | 11.9 | 12.2 | 11.9 | 11.2 | 12.0 | 12.0 | 12.0 | 11.4 | 11.4 | 10.9 | 11.9 | 10.8 | 10.6 | 10.5 | 11.7 | 11.1 |
| 431 | 3 | F | 12.4 | 12.6 | 11.8 | 11.9 | 12.5 | 11.9 | 12.2 | 11.9 | 11.2 | 12.0 | 12.0 | 12.0 | 11.4 | 11.4 | 10.9 | 11.9 | 10.8 | 10.6 | 10.5 | 11.7 | 11.1 |
| 432 | 3 | F | 12.4 | 12.6 | 11.8 | 11.9 | 12.5 | 11.9 | 12.2 | 11.9 | 11.2 | 12.0 | 12.0 | 12.0 | 11.4 | 11.4 | 10.9 | 11.9 | 10.8 | 10.6 | 10.5 | 11.7 | 11.1 |
| 433 | 3 | F | 10.9 | 11.5 | 11.3 | 10.9 | 11.0 | 10.7 | 11.1 | 11.1 | 10.9 | 10.8 | 10.5 | 10.6 | 10.4 | 10.1 | 9.8 | 8.7 | 10.0 | 9.0 | 8.7 | 9.8 | 10.1 |
| 434 | 3 | F | 10.9 | 11.5 | 11.3 | 10.9 | 11.0 | 10.7 | 11.1 | 11.1 | 10.9 | 10.8 | 10.5 | 10.6 | 10.4 | 10.1 | 9.8 | 8.7 | 10.0 | 9.0 | 8.7 | 9.8 | 10.1 |
| 435 | 3 | F | 10.9 | 11.5 | 11.3 | 10.9 | 11.0 | 10.7 | 11.1 | 11.1 | 10.9 | 10.8 | 10.5 | 10.6 | 10.4 | 10.1 | 9.8 | 8.7 | 10.0 | 9.0 | 8.7 | 9.8 | 10.1 |
| 436 | 3 | F | 11.7 | 12.1 | 11.7 | 11.1 | 11.4 | 11.1 | 11.7 | 10.8 | 10.6 | 10.8 | 10.9 | 10.7 | 10.2 | 10.0 | 10.3 | 10.3 | 10.1 | 9.5 | 9.2 | 9.8 | 9.9 |
| 437 | 3 | F | 11.7 | 12.1 | 11.7 | 11.1 | 11.4 | 11.1 | 11.7 | 10.8 | 10.6 | 10.8 | 10.9 | 10.7 | 10.2 | 10.0 | 10.3 | 10.3 | 10.1 | 9.5 | 9.2 | 9.8 | 9.9 |
| 438 | 3 | F | 11.7 | 12.1 | 11.7 | 11.1 | 11.4 | 11.1 | 11.7 | 10.8 | 10.6 | 10.8 | 10.9 | 10.7 | 10.2 | 10.0 | 10.3 | 10.3 | 10.1 | 9.5 | 9.2 | 9.8 | 9.9 |
| 439 | 3 | F | 11.3 | 11.8 | 11.2 | 10.5 | 10.8 | 10.2 | 10.4 | 10.6 | 9.6 | 10.5 | 10.1 | 10.3 | 10.3 | 10.0 | 10.0 | 10.3 | 9.7 | 9.6 | 9.6 | 10.3 | 9.8 |
| 440 | 3 | F | 11.3 | 11.8 | 11.2 | 10.5 | 10.8 | 10.2 | 10.4 | 10.6 | 9.6 | 10.5 | 10.1 | 10.3 | 10.3 | 10.0 | 10.0 | 10.3 | 9.7 | 9.6 | 9.6 | 10.3 | 9.8 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 3 | F | 11.3 | 11.8 | 11.2 | 10.5 | 10.8 | 10.2 | 10.4 | 10.6 | 9.6 | 10.5 | 10.1 | 10.3 | 10.3 | 10.0 | 10.0 | 10.3 | 9.7 | 9.6 | 9.6 | 10.3 | 9.8 |
| 442 | 3 | F | 10.5 | 10.5 | 10.7 | 10.4 | --- | 10.2 | 10.7 | 8.3 | 9.9 | 10.4 | 10.9 | 10.9 | 10.7 | 10.6 | 9.9 | 10.2 | 9.8 | 9.3 | 9.2 | 10.1 | 9.6 |
| 443 | 3 | F | 10.5 | 10.5 | 10.7 | 10.4 | --- | 10.2 | 10.7 | 8.3 | 9.9 | 10.4 | 10.9 | 10.9 | 10.7 | 10.6 | 9.9 | 10.2 | 9.8 | 9.3 | 9.2 | 10.1 | 9.6 |
| 444 | 3 | F | 10.5 | 10.5 | 10.7 | 10.4 | --- | 10.2 | 10.7 | 8.3 | 9.9 | 10.4 | 10.9 | 10.9 | 10.7 | 10.6 | 9.9 | 10.2 | 9.8 | 9.3 | 9.2 | 10.1 | 9.6 |
| 445 | 3 | F | 11.2 | 11.4 | 11.3 | 11.2 | --- | 11.1 | 11.4 | 11.2 | 11.3 | 11.3 | 11.1 | 10.8 | 11.5 | 10.4 | 10.6 | 10.8 | 10.6 | 9.8 | 9.2 | 10.9 | 10.8 |
| 446 | 3 | F | 11.2 | 11.4 | 11.3 | 11.2 | --- | 11.1 | 11.4 | 11.2 | 11.3 | 11.3 | 11.1 | 10.8 | 11.5 | 10.4 | 10.6 | 10.8 | 10.6 | 9.8 | 9.2 | 10.9 | 10.8 |
| 447 | 3 | F | 11.2 | 11.4 | 11.3 | 11.2 | --- | 11.1 | 11.4 | 11.2 | 11.3 | 11.3 | 11.1 | 10.8 | 11.5 | 10.4 | 10.6 | 10.8 | 10.6 | 9.8 | 9.2 | 10.9 | 10.8 |
| 448 | 3 | F | 11.8 | 11.8 | 13.5 | 11.0 | 11.0 | 11.0 | 10.5 | 11.1 | 11.1 | 11.2 | 11.0 | 11.2 | 11.3 | 10.5 | 10.7 | 10.5 | 10.2 | 9.4 | 9.9 | 10.6 | 10.5 |
| 449 | 3 | F | 11.8 | 11.8 | 13.5 | 11.0 | 11.0 | 11.0 | 10.5 | 11.1 | 11.1 | 11.2 | 11.0 | 11.2 | 11.3 | 10.5 | 10.7 | 10.5 | 10.2 | 9.4 | 9.9 | 10.6 | 10.5 |
| 450 | 3 | F | 11.8 | 11.8 | 13.5 | 11.0 | 11.0 | 11.0 | 10.5 | 11.1 | 11.1 | 11.2 | 11.0 | 11.2 | 11.3 | 10.5 | 10.7 | 10.5 | 10.2 | 9.4 | 9.9 | 10.6 | 10.5 |
| 451 | 4 | M | 14.0 | 15.8 | 16.2 | 16.1 | 16.6 | 16.4 | 16.9 | 16.2 | 16.4 | 17.2 | 17.0 | 17.3 | 16.7 | 16.4 | 16.1 | 16.4 | 16.0 | 15.8 | 16.0 | 16.2 | 15.1 |
| 452 | 4 | M | 14.0 | 15.8 | 16.2 | 16.1 | 16.6 | 16.4 | 16.9 | 16.2 | 16.4 | 17.2 | 17.0 | 17.3 | 16.7 | 16.4 | 16.1 | 16.4 | 16.0 | 15.8 | 16.0 | 16.2 | 15.1 |
| 453 | 4 | M | 14.0 | 15.8 | 16.2 | 16.1 | 16.6 | 16.4 | 16.9 | 16.2 | 16.4 | 17.2 | 17.0 | 17.3 | 16.7 | 16.4 | 16.1 | 16.4 | 16.0 | 15.8 | 16.0 | 16.2 | 15.1 |
| 454 | 4 | M | 14.3 | 15.3 | 14.7 | 18.4 | 16.0 | 15.9 | 16.6 | 16.0 | 15.4 | 16.8 | 16.6 | 16.5 | 16.7 | 15.7 | 15.7 | 16.0 | 16.0 | 15.0 | 15.8 | 15.6 | 15.5 |
| 455 | 4 | M | 14.3 | 15.3 | 14.7 | 18.4 | 16.0 | 15.9 | 16.6 | 16.0 | 15.4 | 16.8 | 16.6 | 16.5 | 16.7 | 15.7 | 15.7 | 16.0 | 16.0 | 15.0 | 15.8 | 15.6 | 15.5 |
| 456 | 4 | M | 14.3 | 15.3 | 14.7 | 18.4 | 16.0 | 15.9 | 16.6 | 16.0 | 15.4 | 16.8 | 16.6 | 16.5 | 16.7 | 15.7 | 15.7 | 16.0 | 16.0 | 15.0 | 15.8 | 15.6 | 15.5 |
| 457 | 4 | M | 14.4 | 15.9 | 14.5 | 19.1 | 16.8 | 17.0 | 16.6 | 16.3 | 15.6 | 17.2 | 16.9 | --- | 16.3 | 17.0 | 16.1 | 16.3 | 16.1 | 15.7 | 15.6 | 15.9 | 16.1 |
| 458 | 4 | M | 14.4 | 15.9 | 14.5 | 19.1 | 16.8 | 17.0 | 16.6 | 16.3 | 15.6 | 17.2 | 16.9 | --- | 16.3 | 17.0 | 16.1 | 16.3 | 16.1 | 15.7 | 15.6 | 15.9 | 16.1 |
| 459 | 4 | M | 14.4 | 15.9 | 14.5 | 19.1 | 16.8 | 17.0 | 16.6 | 16.3 | 15.6 | 17.2 | 16.9 | --- | 16.3 | 17.0 | 16.1 | 16.3 | 16.1 | 15.7 | 15.6 | 15.9 | 16.1 |
| 460 | 4 | M | 15.3 | 13.9 | 14.7 | 17.0 | 15.2 | 15.9 | 16.2 | 17.0 | 15.2 | 16.7 | 17.0 | 16.9 | 15.8 | 16.0 | 15.8 | 15.7 | 18.0 | 14.5 | 14.1 | 14.6 | 16.0 |
| 461 | 4 | M | 15.3 | 13.9 | 14.7 | 17.0 | 15.2 | 15.9 | 16.2 | 17.0 | 15.2 | 16.7 | 17.0 | 16.9 | 15.8 | 16.0 | 15.8 | 15.7 | 18.0 | 14.5 | 14.1 | 14.6 | 16.0 |
| 462 | 4 | M | 15.3 | 13.9 | 14.7 | 17.0 | 15.2 | 15.9 | 16.2 | 17.0 | 15.2 | 16.7 | 17.0 | 16.9 | 15.8 | 16.0 | 15.8 | 15.7 | 18.0 | 14.5 | 14.1 | 14.6 | 16.0 |
| 463 | 4 | M | 14.0 | 15.3 | 13.8 | 17.6 | 15.1 | 15.5 | 16.1 | 15.6 | 14.6 | 16.6 | 15.9 | 16.4 | 15.9 | 15.9 | 15.1 | 16.0 | 15.0 | 14.9 | 14.9 | 16.7 | 15.8 |
| 464 | 4 | M | 14.0 | 15.3 | 13.8 | 17.6 | 15.1 | 15.5 | 16.1 | 15.6 | 14.6 | 16.6 | 15.9 | 16.4 | 15.9 | 15.9 | 15.1 | 16.0 | 15.0 | 14.9 | 14.9 | 16.7 | 15.8 |
| 465 | 4 | M | 14.0 | 15.3 | 13.8 | 17.6 | 15.1 | 15.5 | 16.1 | 15.6 | 14.6 | 16.6 | 15.9 | 16.4 | 15.9 | 15.9 | 15.1 | 16.0 | 15.0 | 14.9 | 14.9 | 16.7 | 15.8 |
| 466 | 4 | M | 14.1 | 15.5 | 14.2 | 17.7 | 15.1 | 15.4 | 15.4 | 15.4 | 14.4 | 15.5 | 15.5 | 15.8 | 15.3 | 14.6 | 14.8 | 15.0 | 14.9 | 14.2 | 14.3 | 14.8 | 14.9 |
| 467 | 4 | M | 14.1 | 15.5 | 14.2 | 17.7 | 15.1 | 15.4 | 15.4 | 15.4 | 14.4 | 15.5 | 15.5 | 15.8 | 15.3 | 14.6 | 14.8 | 15.0 | 14.9 | 14.2 | 14.3 | 14.8 | 14.9 |
| 468 | 4 | M | 14.1 | 15.5 | 14.2 | 17.7 | 15.1 | 15.4 | 15.4 | 15.4 | 14.4 | 15.5 | 15.5 | 15.8 | 15.3 | 14.6 | 14.8 | 15.0 | 14.9 | 14.2 | 14.3 | 14.8 | 14.9 |
| 469 | 4 | M | 13.1 | 14.9 | 15.1 | 15.4 | 16.6 | 16.4 | 15.9 | 17.1 | 15.2 | 16.3 | 16.6 | 16.2 | 16.1 | 16.3 | 16.0 | 16.4 | 15.3 | 15.5 | 15.0 | 16.4 | 16.3 |
| 470 | 4 | M | 13.1 | 14.9 | 15.1 | 15.4 | 16.6 | 16.4 | 15.9 | 17.1 | 15.2 | 16.3 | 16.6 | 16.2 | 16.1 | 16.3 | 16.0 | 16.4 | 15.3 | 15.5 | 15.0 | 16.4 | 16.3 |
| 471 | 4 | M | 13.1 | 14.9 | 15.1 | 15.4 | 16.6 | 16.4 | 15.9 | 17.1 | 15.2 | 16.3 | 16.6 | 16.2 | 16.1 | 16.3 | 16.0 | 16.4 | 15.3 | 15.5 | 15.0 | 16.4 | 16.3 |
| 472 | 4 | M | 9.4 | 16.0 | 15.2 | 17.0 | 16.6 | 18.3 | 18.0 | 16.6 | 16.0 | 18.3 | 17.8 | 17.4 | 18.4 | 17.0 | 16.7 | 16.4 | 16.5 | 15.9 | 15.6 | 17.0 | 16.4 |
| 473 | 4 | M | 9.4 | 16.0 | 15.2 | 17.0 | 16.6 | 18.3 | 18.0 | 16.6 | 16.0 | 18.3 | 17.8 | 17.4 | 18.4 | 17.0 | 16.7 | 16.4 | 16.5 | 15.9 | 15.6 | 17.0 | 16.4 |
| 474 | 4 | M | 9.4 | 16.0 | 15.2 | 17.0 | 16.6 | 18.3 | 18.0 | 16.6 | 16.0 | 18.3 | 17.8 | 17.4 | 18.4 | 17.0 | 16.7 | 16.4 | 16.5 | 15.9 | 15.6 | 17.0 | 16.4 |
| 475 | 4 | M | 13.8 | 15.6 | 15.3 | 17.9 | 16.0 | 16.0 | 16.4 | 16.5 | 15.9 | 17.4 | 17.0 | 17.6 | 16.5 | 15.7 | 17.3 | 15.4 | 15.5 | 15.7 | 16.1 | 16.6 | 15.6 |
| 476 | 4 | M | 13.8 | 15.6 | 15.3 | 17.9 | 16.0 | 16.0 | 16.4 | 16.5 | 15.9 | 17.4 | 17.0 | 17.6 | 16.5 | 15.7 | 17.3 | 15.4 | 15.5 | 15.7 | 16.1 | 16.6 | 15.6 |
| 477 | 4 | M | 13.8 | 15.6 | 15.3 | 17.9 | 16.0 | 16.0 | 16.4 | 16.5 | 15.9 | 17.4 | 17.0 | 17.6 | 16.5 | 15.7 | 17.3 | 15.4 | 15.5 | 15.7 | 16.1 | 16.6 | 15.6 |
| 478 | 4 | M | 13.1 | 14.6 | 15.5 | 16.0 | 16.3 | 16.8 | 17.0 | 16.3 | 16.2 | 16.9 | 16.8 | 17.1 | 16.6 | 16.9 | 16.6 | 16.3 | 16.2 | 16.3 | 16.3 | 17.1 | 17.0 |
| 479 | 4 | M | 13.1 | 14.6 | 15.5 | 16.0 | 16.3 | 16.8 | 17.0 | 16.3 | 16.2 | 16.9 | 16.8 | 17.1 | 16.6 | 16.9 | 16.6 | 16.3 | 16.2 | 16.3 | 16.3 | 17.1 | 17.0 |
| 480 | 4 | M | 13.1 | 14.6 | 15.5 | 16.0 | 16.3 | 16.8 | 17.0 | 16.3 | 16.2 | 16.9 | 16.8 | 17.1 | 16.6 | 16.9 | 16.6 | 16.3 | 16.2 | 16.3 | 16.3 | 17.1 | 17.0 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 4 | M | 14.4 | 15.7 | 14.0 | 18.3 | 17.3 | 17.0 | 17.3 | 16.9 | 16.3 | 18.2 | 17.1 | 17.4 | 18.0 | 16.6 | 16.6 | 17.0 | 16.7 | 15.8 | 16.0 | 17.5 | 16.2 |
| 482 | 4 | M | 14.4 | 15.7 | 14.0 | 18.3 | 17.3 | 17.0 | 17.3 | 16.9 | 16.3 | 18.2 | 17.1 | 17.4 | 18.0 | 16.6 | 16.6 | 17.0 | 16.7 | 15.8 | 16.0 | 17.5 | 16.2 |
| 483 | 4 | M | 14.4 | 15.7 | 14.0 | 18.3 | 17.3 | 17.0 | 17.3 | 16.9 | 16.3 | 18.2 | 17.1 | 17.4 | 18.0 | 16.6 | 16.6 | 17.0 | 16.7 | 15.8 | 16.0 | 17.5 | 16.2 |
| 484 | 4 | M | 13.7 | 14.5 | 13.8 | 16.3 | 14.0 | 13.7 | 13.9 | 14.5 | 14.0 | 14.7 | 14.6 | 15.0 | 14.7 | 14.0 | 13.5 | 14.0 | 13.6 | 13.9 | 14.2 | 14.7 | 13.2 |
| 485 | 4 | M | 13.7 | 14.5 | 13.8 | 16.3 | 14.0 | 13.7 | 13.9 | 14.5 | 14.0 | 14.7 | 14.6 | 15.0 | 14.7 | 14.0 | 13.5 | 14.0 | 13.6 | 13.9 | 14.2 | 14.7 | 13.2 |
| 486 | 4 | M | 13.7 | 14.5 | 13.8 | 16.3 | 14.0 | 13.7 | 13.9 | 14.5 | 14.0 | 14.7 | 14.6 | 15.0 | 14.7 | 14.0 | 13.5 | 14.0 | 13.6 | 13.9 | 14.2 | 14.7 | 13.2 |
| 487 | 4 | M | 13.0 | 14.6 | 14.4 | 17.9 | 15.5 | 15.7 | 15.9 | 15.8 | 15.2 | 16.2 | 16.1 | 17.3 | 16.5 | 15.6 | 15.1 | 15.4 | 15.0 | 15.0 | 15.4 | 15.3 | 14.3 |
| 488 | 4 | M | 13.0 | 14.6 | 14.4 | 17.9 | 15.5 | 15.7 | 15.9 | 15.8 | 15.2 | 16.2 | 16.1 | 17.3 | 16.5 | 15.6 | 15.1 | 15.4 | 15.0 | 15.0 | 15.4 | 15.3 | 14.3 |
| 489 | 4 | M | 13.0 | 14.6 | 14.4 | 17.9 | 15.5 | 15.7 | 15.9 | 15.8 | 15.2 | 16.2 | 16.1 | 17.3 | 16.5 | 15.6 | 15.1 | 15.4 | 15.0 | 15.0 | 15.4 | 15.3 | 14.3 |
| 490 | 4 | M | 13.9 | 16.0 | 14.3 | 18.6 | 15.0 | 15.0 | 15.4 | 15.5 | 14.9 | 15.6 | 16.3 | 16.7 | 15.5 | 14.7 | 14.7 | 15.3 | 15.2 | 14.6 | 15.5 | 16.1 | 14.5 |
| 491 | 4 | M | 13.9 | 16.0 | 14.3 | 18.6 | 15.0 | 15.0 | 15.4 | 15.5 | 14.9 | 15.6 | 16.3 | 16.7 | 15.5 | 14.7 | 14.7 | 15.3 | 15.2 | 14.6 | 15.5 | 16.1 | 14.5 |
| 492 | 4 | M | 13.9 | 16.0 | 14.3 | 18.6 | 15.0 | 15.0 | 15.4 | 15.5 | 14.9 | 15.6 | 16.3 | 16.7 | 15.5 | 14.7 | 14.7 | 15.3 | 15.2 | 14.6 | 15.5 | 16.1 | 14.5 |
| 493 | 4 | M | 15.8 | 15.3 | 15.5 | 15.9 | 18.2 | 15.9 | 15.8 | 16.2 | 16.1 | 15.8 | 17.5 | 16.6 | 15.6 | 15.6 | 15.3 | 15.0 | 14.5 | 15.0 | 14.8 | 16.0 | 14.9 |
| 494 | 4 | M | 15.8 | 15.3 | 15.5 | 15.9 | 18.2 | 15.9 | 15.8 | 16.2 | 16.1 | 15.8 | 17.5 | 16.6 | 15.6 | 15.6 | 15.3 | 15.0 | 14.5 | 15.0 | 14.8 | 16.0 | 14.9 |
| 495 | 4 | M | 15.8 | 15.3 | 15.5 | 15.9 | 18.2 | 15.9 | 15.8 | 16.2 | 16.1 | 15.8 | 17.5 | 16.6 | 15.6 | 15.6 | 15.3 | 15.0 | 14.5 | 15.0 | 14.8 | 16.0 | 14.9 |
| 496 | 4 | M | 13.7 | 15.1 | 15.5 | 16.8 | 16.7 | 16.0 | 16.2 | 15.9 | 15.5 | 17.0 | 16.5 | 16.8 | 16.1 | 16.0 | 15.5 | 16.0 | 16.2 | 15.1 | 16.4 | 17.0 | 16.4 |
| 497 | 4 | M | 13.7 | 15.1 | 15.5 | 16.8 | 16.7 | 16.0 | 16.2 | 15.9 | 15.5 | 17.0 | 16.5 | 16.8 | 16.1 | 16.0 | 15.5 | 16.0 | 16.2 | 15.1 | 16.4 | 17.0 | 16.4 |
| 498 | 4 | M | 13.7 | 15.1 | 15.5 | 16.8 | 16.7 | 16.0 | 16.2 | 15.9 | 15.5 | 17.0 | 16.5 | 16.8 | 16.1 | 16.0 | 15.5 | 16.0 | 16.2 | 15.1 | 16.4 | 17.0 | 16.4 |
| 499 | 4 | M | 14.9 | 16.5 | 16.9 | 18.1 | 17.1 | 16.7 | 17.1 | 16.6 | 16.1 | 17.0 | 17.0 | 17.0 | 17.2 | 16.0 | 15.9 | 16.3 | 16.7 | 15.4 | 15.5 | 16.2 | 15.2 |
| 500 | 4 | M | 14.9 | 16.5 | 16.9 | 18.1 | 17.1 | 16.7 | 17.1 | 16.6 | 16.1 | 17.0 | 17.0 | 17.0 | 17.2 | 16.0 | 15.9 | 16.3 | 16.7 | 15.4 | 15.5 | 16.2 | 15.2 |
| 501 | 4 | M | 14.9 | 16.5 | 16.9 | 18.1 | 17.1 | 16.7 | 17.1 | 16.6 | 16.1 | 17.0 | 17.0 | 17.0 | 17.2 | 16.0 | 15.9 | 16.3 | 16.7 | 15.4 | 15.5 | 16.2 | 15.2 |
| 502 | 4 | M | 13.0 | 14.3 | 14.6 | 17.0 | 15.6 | 15.6 | 15.6 | 16.1 | 15.7 | 16.4 | 16.0 | 16.2 | 15.8 | 15.4 | 15.1 | 16.2 | 15.9 | 16.0 | 16.1 | 17.2 | 16.6 |
| 503 | 4 | M | 13.0 | 14.3 | 14.6 | 17.0 | 15.6 | 15.6 | 15.6 | 16.1 | 15.7 | 16.4 | 16.0 | 16.2 | 15.8 | 15.4 | 15.1 | 16.2 | 15.9 | 16.0 | 16.1 | 17.2 | 16.6 |
| 504 | 4 | M | 13.0 | 14.3 | 14.6 | 17.0 | 15.6 | 15.6 | 15.6 | 16.1 | 15.7 | 16.4 | 16.0 | 16.2 | 15.8 | 15.4 | 15.1 | 16.2 | 15.9 | 16.0 | 16.1 | 17.2 | 16.6 |
| 505 | 4 | M | 13.5 | 15.0 | 16.0 | 15.7 | 15.7 | 16.2 | 18.8 | 16.6 | 15.3 | 18.8 | 16.5 | 17.2 | 16.1 | 16.3 | 16.2 | 15.7 | 16.0 | 14.7 | 15.2 | 15.9 | 15.5 |
| 506 | 4 | M | 13.5 | 15.0 | 16.0 | 15.7 | 15.7 | 16.2 | 18.8 | 16.6 | 15.3 | 18.8 | 16.5 | 17.2 | 16.1 | 16.3 | 16.2 | 15.7 | 16.0 | 14.7 | 15.2 | 15.9 | 15.5 |
| 507 | 4 | M | 13.5 | 15.0 | 16.0 | 15.7 | 15.7 | 16.2 | 18.8 | 16.6 | 15.3 | 18.8 | 16.5 | 17.2 | 16.1 | 16.3 | 16.2 | 15.7 | 16.0 | 14.7 | 15.2 | 15.9 | 15.5 |
| 508 | 4 | M | 13.5 | 14.9 | 14.0 | 13.5 | 14.0 | 14.3 | 14.6 | 15.8 | 14.9 | 14.3 | 16.9 | 15.6 | 13.9 | 14.7 | 14.8 | 15.0 | 14.9 | 14.7 | 14.2 | 16.0 | 13.9 |
| 509 | 4 | M | 13.5 | 14.9 | 14.0 | 13.5 | 14.0 | 14.3 | 14.6 | 15.8 | 14.9 | 14.3 | 16.9 | 15.6 | 13.9 | 14.7 | 14.8 | 15.0 | 14.9 | 14.7 | 14.2 | 16.0 | 13.9 |
| 510 | 4 | M | 13.5 | 14.9 | 14.0 | 13.5 | 14.0 | 14.3 | 14.6 | 15.8 | 14.9 | 14.3 | 16.9 | 15.6 | 13.9 | 14.7 | 14.8 | 15.0 | 14.9 | 14.7 | 14.2 | 16.0 | 13.9 |
| 511 | 4 | M | 13.8 | 15.3 | 15.1 | 18.0 | 16.9 | 16.9 | 17.1 | 17.3 | 16.6 | 13.9 | 17.8 | 17.7 | 17.3 | 16.2 | 16.2 | 17.0 | 16.5 | 15.5 | 15.1 | 17.1 | 16.7 |
| 512 | 4 | M | 13.8 | 15.3 | 15.1 | 18.0 | 16.9 | 16.9 | 17.1 | 17.3 | 16.6 | 13.9 | 17.8 | 17.7 | 17.3 | 16.2 | 16.2 | 17.0 | 16.5 | 15.5 | 15.1 | 17.1 | 16.7 |
| 513 | 4 | M | 13.8 | 15.3 | 15.1 | 18.0 | 16.9 | 16.9 | 17.1 | 17.3 | 16.6 | 13.9 | 17.8 | 17.7 | 17.3 | 16.2 | 16.2 | 17.0 | 16.5 | 15.5 | 15.1 | 17.1 | 16.7 |
| 514 | 4 | M | 13.8 | 14.9 | 14.5 | 16.7 | 15.2 | 15.0 | 14.8 | 14.7 | 14.7 | 14.9 | 16.0 | 16.5 | 15.3 | 14.6 | 15.6 | 15.0 | 15.4 | 14.9 | 15.0 | 16.3 | 16.2 |
| 515 | 4 | M | 13.8 | 14.9 | 14.5 | 16.7 | 15.2 | 15.0 | 14.8 | 14.7 | 14.7 | 14.9 | 16.0 | 16.5 | 15.3 | 14.6 | 15.6 | 15.0 | 15.4 | 14.9 | 15.0 | 16.3 | 16.2 |
| 516 | 4 | M | 13.8 | 14.9 | 14.5 | 16.7 | 15.2 | 15.0 | 14.8 | 14.7 | 14.7 | 14.9 | 16.0 | 16.5 | 15.3 | 14.6 | 15.6 | 15.0 | 15.4 | 14.9 | 15.0 | 16.3 | 16.2 |
| 517 | 4 | M | 13.6 | 17.5 | 14.8 | 18.7 | 16.6 | 16.6 | 16.8 | 17.0 | 16.7 | 18.0 | 17.2 | 16.8 | 16.4 | 15.9 | 16.2 | 16.0 | 16.2 | 16.3 | 15.9 | 16.3 | 15.9 |
| 518 | 4 | M | 13.6 | 17.5 | 14.8 | 18.7 | 16.6 | 16.6 | 16.8 | 17.0 | 16.7 | 18.0 | 17.2 | 16.8 | 16.4 | 15.9 | 16.2 | 16.0 | 16.2 | 16.3 | 15.9 | 16.3 | 15.9 |
| 519 | 4 | M | 13.6 | 17.5 | 14.8 | 18.7 | 16.6 | 16.6 | 16.8 | 17.0 | 16.7 | 18.0 | 17.2 | 16.8 | 16.4 | 15.9 | 16.2 | 16.0 | 16.2 | 16.3 | 15.9 | 16.3 | 15.9 |
| 520 | 4 | M | 13.3 | 14.6 | 14.9 | 16.9 | 15.9 | 15.7 | 16.0 | 16.4 | 15.7 | 18.0 | 16.8 | 17.1 | 16.5 | 15.8 | 15.4 | 15.1 | 15.0 | 14.5 | 15.0 | 16.0 | 14.9 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 4 | M | 13.3 | 14.6 | 14.9 | 16.9 | 15.9 | 15.7 | 16.0 | 16.4 | 15.7 | 18.0 | 16.8 | 17.1 | 16.5 | 15.8 | 15.4 | 15.1 | 15.0 | 14.5 | 15.0 | 16.0 | 14.9 |
| 522 | 4 | M | 13.3 | 14.6 | 14.9 | 16.9 | 15.9 | 15.7 | 16.0 | 16.4 | 15.7 | 18.0 | 16.8 | 17.1 | 16.5 | 15.8 | 15.4 | 15.1 | 15.0 | 14.5 | 15.0 | 16.0 | 14.9 |
| 523 | 4 | M | 14.1 | 14.8 | 14.9 | 16.8 | 15.5 | 15.3 | 15.8 | 15.8 | --- | 16.1 | 16.1 | 16.5 | 16.9 | 16.3 | 15.7 | 15.5 | 16.0 | 14.7 | 15.6 | 16.3 | 14.9 |
| 524 | 4 | M | 14.1 | 14.8 | 14.9 | 16.8 | 15.5 | 15.3 | 15.8 | 15.8 | --- | 16.1 | 16.1 | 16.5 | 16.9 | 16.3 | 15.7 | 15.5 | 16.0 | 14.7 | 15.6 | 16.3 | 14.9 |
| 525 | 4 | M | 14.1 | 14.8 | 14.9 | 16.8 | 15.5 | 15.3 | 15.8 | 15.8 | --- | 16.1 | 16.1 | 16.5 | 16.9 | 16.3 | 15.7 | 15.5 | 16.0 | 14.7 | 15.6 | 16.3 | 14.9 |
| 526 | 4 | F | 10.4 | 11.0 | 11.1 | 10.5 | 9.8 | 9.9 | 9.4 | 9.8 | 9.5 | 10.6 | 9.9 | 9.9 | 9.7 | 9.5 | 9.1 | 9.2 | 8.9 | 9.1 | 9.1 | 9.7 | 9.8 |
| 527 | 4 | F | 10.4 | 11.0 | 11.1 | 10.5 | 9.8 | 9.9 | 9.4 | 9.8 | 9.5 | 10.6 | 9.9 | 9.9 | 9.7 | 9.5 | 9.1 | 9.2 | 8.9 | 9.1 | 9.1 | 9.7 | 9.8 |
| 528 | 4 | F | 10.4 | 11.0 | 11.1 | 10.5 | 9.8 | 9.9 | 9.4 | 9.8 | 9.5 | 10.6 | 9.9 | 9.9 | 9.7 | 9.5 | 9.1 | 9.2 | 8.9 | 9.1 | 9.1 | 9.7 | 9.8 |
| 529 | 4 | F | 11.0 | 12.0 | 11.0 | 11.0 | 10.8 | 10.6 | 10.7 | 10.8 | 9.7 | 10.8 | 10.0 | 10.4 | 10.3 | 10.1 | 9.2 | 9.8 | 8.7 | 8.8 | 8.8 | 10.0 | 8.8 |
| 530 | 4 | F | 11.0 | 12.0 | 11.0 | 11.0 | 10.8 | 10.6 | 10.7 | 10.8 | 9.7 | 10.8 | 10.0 | 10.4 | 10.3 | 10.1 | 9.2 | 9.8 | 8.7 | 8.8 | 8.8 | 10.0 | 8.8 |
| 531 | 4 | F | 11.0 | 12.0 | 11.0 | 11.0 | 10.8 | 10.6 | 10.7 | 10.8 | 9.7 | 10.8 | 10.0 | 10.4 | 10.3 | 10.1 | 9.2 | 9.8 | 8.7 | 8.8 | 8.8 | 10.0 | 8.8 |
| 532 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 10.7 | 9.9 | 10.3 | --- | 10.5 | 10.3 | 10.0 | 9.4 | --- | 9.1 | 9.3 | 9.4 | 9.4 | 9.5 |
| 533 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 10.7 | 9.9 | 10.3 | --- | 10.5 | 10.3 | 10.0 | 9.4 | --- | 9.1 | 9.3 | 9.4 | 9.4 | 9.5 |
| 534 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.1 | 11.2 | 11.2 | 10.7 | 9.9 | 10.3 | --- | 10.5 | 10.3 | 10.0 | 9.4 | --- | 9.1 | 9.3 | 9.4 | 9.4 | 9.5 |
| 535 | 4 | F | 10.9 | 11.9 | 11.2 | 11.1 | 11.3 | 11.3 | 12.3 | 11.3 | 9.8 | 10.5 | 10.4 | 10.6 | 10.6 | 10.4 | 10.4 | 9.8 | 9.3 | 9.4 | 9.9 | 10.4 | 9.2 |
| 536 | 4 | F | 10.9 | 11.9 | 11.2 | 11.1 | 11.3 | 11.3 | 12.3 | 11.3 | 9.8 | 10.5 | 10.4 | 10.6 | 10.6 | 10.4 | 10.4 | 9.8 | 9.3 | 9.4 | 9.9 | 10.4 | 9.2 |
| 537 | 4 | F | 10.9 | 11.9 | 11.2 | 11.1 | 11.3 | 11.3 | 12.3 | 11.3 | 9.8 | 10.5 | 10.4 | 10.6 | 10.6 | 10.4 | 10.4 | 9.8 | 9.3 | 9.4 | 9.9 | 10.4 | 9.2 |
| 538 | 4 | F | 11.4 | 12.2 | 11.8 | 11.0 | 11.2 | 11.5 | 11.3 | 11.1 | 10.4 | 11.4 | 10.7 | 11.0 | 10.5 | 10.1 | 9.8 | 10.5 | 9.4 | 9.1 | 8.9 | 10.0 | 10.0 |
| 539 | 4 | F | 11.4 | 12.2 | 11.8 | 11.0 | 11.2 | 11.5 | 11.3 | 11.1 | 10.4 | 11.4 | 10.7 | 11.0 | 10.5 | 10.1 | 9.8 | 10.5 | 9.4 | 9.1 | 8.9 | 10.0 | 10.0 |
| 540 | 4 | F | 11.4 | 12.2 | 11.8 | 11.0 | 11.2 | 11.5 | 11.3 | 11.1 | 10.4 | 11.4 | 10.7 | 11.0 | 10.5 | 10.1 | 9.8 | 10.5 | 9.4 | 9.1 | 8.9 | 10.0 | 10.0 |
| 541 | 4 | F | 11.5 | 12.0 | 11.1 | 10.6 | 10.9 | 10.7 | 10.7 | 11.0 | 10.3 | 10.8 | 10.6 | 10.5 | 10.0 | 10.0 | 9.6 | 10.0 | 9.7 | 9.4 | 8.9 | 9.8 | 9.8 |
| 542 | 4 | F | 11.5 | 12.0 | 11.1 | 10.6 | 10.9 | 10.7 | 10.7 | 11.0 | 10.3 | 10.8 | 10.6 | 10.5 | 10.0 | 10.0 | 9.6 | 10.0 | 9.7 | 9.4 | 8.9 | 9.8 | 9.8 |
| 543 | 4 | F | 11.5 | 12.0 | 11.1 | 10.6 | 10.9 | 10.7 | 10.7 | 11.0 | 10.3 | 10.8 | 10.6 | 10.5 | 10.0 | 10.0 | 9.6 | 10.0 | 9.7 | 9.4 | 8.9 | 9.8 | 9.8 |
| 544 | 4 | F | 10.6 | 11.5 | 10.5 | 9.9 | 9.8 | 9.8 | 9.9 | 9.9 | 9.4 | 9.7 | 10.0 | 10.0 | 9.5 | 9.6 | 9.0 | 9.4 | 9.0 | 9.1 | 9.1 | 10.2 | 8.8 |
| 545 | 4 | F | 10.6 | 11.5 | 10.5 | 9.9 | 9.8 | 9.8 | 9.9 | 9.9 | 9.4 | 9.7 | 10.0 | 10.0 | 9.5 | 9.6 | 9.0 | 9.4 | 9.0 | 9.1 | 9.1 | 10.2 | 8.8 |
| 546 | 4 | F | 10.6 | 11.5 | 10.5 | 9.9 | 9.8 | 9.8 | 9.9 | 9.9 | 9.4 | 9.7 | 10.0 | 10.0 | 9.5 | 9.6 | 9.0 | 9.4 | 9.0 | 9.1 | 9.1 | 10.2 | 8.8 |
| 547 | 4 | F | 11.2 | 11.6 | 11.2 | 10.8 | 10.9 | 11.0 | 10.7 | 11.2 | 10.0 | 10.8 | 10.2 | 10.1 | 10.3 | 9.9 | 9.4 | 9.7 | 9.4 | 8.9 | 9.3 | 10.2 | 9.8 |
| 548 | 4 | F | 11.2 | 11.6 | 11.2 | 10.8 | 10.9 | 11.0 | 10.7 | 11.2 | 10.0 | 10.8 | 10.2 | 10.1 | 10.3 | 9.9 | 9.4 | 9.7 | 9.4 | 8.9 | 9.3 | 10.2 | 9.8 |
| 549 | 4 | F | 11.2 | 11.6 | 11.2 | 10.8 | 10.9 | 11.0 | 10.7 | 11.2 | 10.0 | 10.8 | 10.2 | 10.1 | 10.3 | 9.9 | 9.4 | 9.7 | 9.4 | 8.9 | 9.3 | 10.2 | 9.8 |
| 550 | 4 | F | 11.3 | 11.6 | 11.1 | 11.5 | 11.8 | 11.2 | 11.0 | 11.4 | 12.1 | 11.3 | 10.7 | 11.0 | 10.9 | 11.3 | 10.1 | 10.5 | 10.3 | 10.5 | 10.0 | 10.5 | 10.6 |
| 551 | 4 | F | 11.3 | 11.6 | 11.1 | 11.5 | 11.8 | 11.2 | 11.0 | 11.4 | 12.1 | 11.3 | 10.7 | 11.0 | 10.9 | 11.3 | 10.1 | 10.5 | 10.3 | 10.5 | 10.0 | 10.5 | 10.6 |
| 552 | 4 | F | 11.3 | 11.6 | 11.1 | 11.5 | 11.8 | 11.2 | 11.0 | 11.4 | 12.1 | 11.3 | 10.7 | 11.0 | 10.9 | 11.3 | 10.1 | 10.5 | 10.3 | 10.5 | 10.0 | 10.5 | 10.6 |
| 553 | 4 | F | 11.6 | 11.7 | 11.4 | 11.0 | 11.4 | 10.8 | 11.1 | 11.1 | 10.5 | 11.0 | 10.7 | 10.5 | 10.9 | 10.9 | 10.1 | 10.5 | 10.2 | 9.5 | 9.6 | 10.4 | 10.2 |
| 554 | 4 | F | 11.6 | 11.7 | 11.4 | 11.0 | 11.4 | 10.8 | 11.1 | 11.1 | 10.5 | 11.0 | 10.7 | 10.5 | 10.9 | 10.9 | 10.1 | 10.5 | 10.2 | 9.5 | 9.6 | 10.4 | 10.2 |
| 555 | 4 | F | 11.6 | 11.7 | 11.4 | 11.0 | 11.4 | 10.8 | 11.1 | 11.1 | 10.5 | 11.0 | 10.7 | 10.5 | 10.9 | 10.9 | 10.1 | 10.5 | 10.2 | 9.5 | 9.6 | 10.4 | 10.2 |
| 556 | 4 | F | 10.9 | 11.3 | 11.1 | 11.4 | 10.7 | 10.3 | 10.9 | 11.2 | 10.7 | 11.5 | 10.5 | 10.6 | 10.9 | 10.4 | 9.9 | 9.8 | 9.3 | 9.2 | 9.3 | 10.1 | 9.4 |
| 557 | 4 | F | 10.9 | 11.3 | 11.1 | 11.4 | 10.7 | 10.3 | 10.9 | 11.2 | 10.7 | 11.5 | 10.5 | 10.6 | 10.9 | 10.4 | 9.9 | 9.8 | 9.3 | 9.2 | 9.3 | 10.1 | 9.4 |
| 558 | 4 | F | 10.9 | 11.3 | 11.1 | 11.4 | 10.7 | 10.3 | 10.9 | 11.2 | 10.7 | 11.5 | 10.5 | 10.6 | 10.9 | 10.4 | 9.9 | 9.8 | 9.3 | 9.2 | 9.3 | 10.1 | 9.4 |
| 559 | 4 | F | 11.6 | 12.2 | 11.8 | 11.4 | 11.1 | 10.8 | 10.8 | 11.1 | 10.7 | 13.0 | 10.8 | 10.2 | 10.6 | 10.3 | 9.4 | 9.6 | 9.1 | 9.7 | 10.0 | 10.3 | 8.9 |
| 560 | 4 | F | 11.6 | 12.2 | 11.8 | 11.4 | 11.1 | 10.8 | 10.8 | 11.1 | 10.7 | 13.0 | 10.8 | 10.2 | 10.6 | 10.3 | 9.4 | 9.6 | 9.1 | 9.7 | 10.0 | 10.3 | 8.9 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 4 | F | 11.6 | 12.2 | 11.8 | 11.4 | 11.1 | 10.8 | 10.8 | 11.1 | 10.7 | 13.0 | 10.8 | 10.2 | 10.6 | 10.3 | 9.4 | 9.6 | 9.1 | 9.7 | 10.0 | 10.3 | 8.9 |
| 562 | 4 | F | 11.2 | 11.6 | 11.7 | 11.0 | 11.0 | 10.9 | 11.1 | 10.8 | 10.2 | 10.5 | 10.6 | 10.8 | 10.2 | 10.5 | 9.4 | 9.5 | 9.2 | 9.1 | 9.4 | 9.8 | 9.5 |
| 563 | 4 | F | 11.2 | 11.6 | 11.7 | 11.0 | 11.0 | 10.9 | 11.1 | 10.8 | 10.2 | 10.5 | 10.6 | 10.8 | 10.2 | 10.5 | 9.4 | 9.5 | 9.2 | 9.1 | 9.4 | 9.8 | 9.5 |
| 564 | 4 | F | 11.2 | 11.6 | 11.7 | 11.0 | 11.0 | 10.9 | 11.1 | 10.8 | 10.2 | 10.5 | 10.6 | 10.8 | 10.2 | 10.5 | 9.4 | 9.5 | 9.2 | 9.1 | 9.4 | 9.8 | 9.5 |
| 565 | 4 | F | 11.3 | 12.1 | 11.3 | 11.0 | 10.6 | 10.7 | 10.4 | 10.7 | 10.0 | 10.6 | 10.4 | 10.6 | 10.5 | 9.7 | 9.6 | 9.7 | 9.4 | 9.1 | 9.0 | 10.1 | 9.3 |
| 566 | 4 | F | 11.3 | 12.1 | 11.3 | 11.0 | 10.6 | 10.7 | 10.4 | 10.7 | 10.0 | 10.6 | 10.4 | 10.6 | 10.5 | 9.7 | 9.6 | 9.7 | 9.4 | 9.1 | 9.0 | 10.1 | 9.3 |
| 567 | 4 | F | 11.3 | 12.1 | 11.3 | 11.0 | 10.6 | 10.7 | 10.4 | 10.7 | 10.0 | 10.6 | 10.4 | 10.6 | 10.5 | 9.7 | 9.6 | 9.7 | 9.4 | 9.1 | 9.0 | 10.1 | 9.3 |
| 568 | 4 | F | 11.2 | 11.2 | 11.0 | 11.1 | 10.7 | 10.2 | 10.6 | 10.4 | 10.1 | 11.2 | 10.3 | 10.0 | 10.0 | 10.0 | 9.2 | 9.4 | 9.2 | 8.8 | 8.6 | 9.3 | 8.8 |
| 569 | 4 | F | 11.2 | 11.2 | 11.0 | 11.1 | 10.7 | 10.2 | 10.6 | 10.4 | 10.1 | 11.2 | 10.3 | 10.0 | 10.0 | 10.0 | 9.2 | 9.4 | 9.2 | 8.8 | 8.6 | 9.3 | 8.8 |
| 570 | 4 | F | 11.2 | 11.2 | 11.0 | 11.1 | 10.7 | 10.2 | 10.6 | 10.4 | 10.1 | 11.2 | 10.3 | 10.0 | 10.0 | 10.0 | 9.2 | 9.4 | 9.2 | 8.8 | 8.6 | 9.3 | 8.8 |
| 571 | 4 | F | 11.0 | 11.1 | 10.8 | 10.6 | 10.5 | 10.2 | 9.9 | 9.3 | 9.7 | 8.9 | 9.4 | 8.6 | 8.9 | 8.6 | 8.5 | 8.0 | 8.3 | 7.6 | 8.0 | 9.4 | 7.9 |
| 572 | 4 | F | 11.0 | 11.1 | 10.8 | 10.6 | 10.5 | 10.2 | 9.9 | 9.3 | 9.7 | 8.9 | 9.4 | 8.6 | 8.9 | 8.6 | 8.5 | 8.0 | 8.3 | 7.6 | 8.0 | 9.4 | 7.9 |
| 573 | 4 | F | 11.0 | 11.1 | 10.8 | 10.6 | 10.5 | 10.2 | 9.9 | 9.3 | 9.7 | 8.9 | 9.4 | 8.6 | 8.9 | 8.6 | 8.5 | 8.0 | 8.3 | 7.6 | 8.0 | 9.4 | 7.9 |
| 574 | 4 | F | 11.2 | 11.3 | 11.6 | 11.8 | 10.7 | 10.4 | 10.8 | 11.2 | 10.2 | 10.7 | 10.7 | 11.1 | 11.1 | 10.8 | 9.8 | 10.0 | 9.3 | 8.9 | 9.2 | 10.3 | 9.7 |
| 575 | 4 | F | 11.2 | 11.3 | 11.6 | 11.8 | 10.7 | 10.4 | 10.8 | 11.2 | 10.2 | 10.7 | 10.7 | 11.1 | 11.1 | 10.8 | 9.8 | 10.0 | 9.3 | 8.9 | 9.2 | 10.3 | 9.7 |
| 576 | 4 | F | 11.2 | 11.3 | 11.6 | 11.8 | 10.7 | 10.4 | 10.8 | 11.2 | 10.2 | 10.7 | 10.7 | 11.1 | 11.1 | 10.8 | 9.8 | 10.0 | 9.3 | 8.9 | 9.2 | 10.3 | 9.7 |
| 577 | 4 | F | 11.5 | 11.7 | 11.7 | 11.5 | 10.8 | 10.9 | 11.6 | 11.3 | 10.5 | 12.3 | 11.5 | 11.3 | 11.0 | 10.9 | 10.6 | 10.2 | 10.3 | 9.5 | 9.2 | 10.1 | 10.3 |
| 578 | 4 | F | 11.5 | 11.7 | 11.7 | 11.5 | 10.8 | 10.9 | 11.6 | 11.3 | 10.5 | 12.3 | 11.5 | 11.3 | 11.0 | 10.9 | 10.6 | 10.2 | 10.3 | 9.5 | 9.2 | 10.1 | 10.3 |
| 579 | 4 | F | 11.5 | 11.7 | 11.7 | 11.5 | 10.8 | 10.9 | 11.6 | 11.3 | 10.5 | 12.3 | 11.5 | 11.3 | 11.0 | 10.9 | 10.6 | 10.2 | 10.3 | 9.5 | 9.2 | 10.1 | 10.3 |
| 580 | 4 | F | 11.4 | 11.6 | 11.1 | 11.7 | 11.4 | 11.4 | 10.9 | 11.7 | 10.7 | 11.1 | 11.6 | 11.2 | 10.7 | 10.6 | 9.8 | 10.0 | 9.5 | 9.1 | 9.8 | 10.2 | 9.6 |
| 581 | 4 | F | 11.4 | 11.6 | 11.1 | 11.7 | 11.4 | 11.4 | 10.9 | 11.7 | 10.7 | 11.1 | 11.6 | 11.2 | 10.7 | 10.6 | 9.8 | 10.0 | 9.5 | 9.1 | 9.8 | 10.2 | 9.6 |
| 582 | 4 | F | 11.4 | 11.6 | 11.1 | 11.7 | 11.4 | 11.4 | 10.9 | 11.7 | 10.7 | 11.1 | 11.6 | 11.2 | 10.7 | 10.6 | 9.8 | 10.0 | 9.5 | 9.1 | 9.8 | 10.2 | 9.6 |
| 583 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.4 | 11.0 | 10.6 | 11.5 | 10.1 | 11.1 | 11.1 | 10.6 | 10.4 | 10.2 | 9.5 | 9.4 | 9.2 | 9.3 | 9.0 | 9.6 | 8.9 |
| 584 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.4 | 11.0 | 10.6 | 11.5 | 10.1 | 11.1 | 11.1 | 10.6 | 10.4 | 10.2 | 9.5 | 9.4 | 9.2 | 9.3 | 9.0 | 9.6 | 8.9 |
| 585 | 4 | F | 10.9 | 11.3 | 11.0 | 11.1 | 11.4 | 11.0 | 10.6 | 11.5 | 10.1 | 11.1 | 11.1 | 10.6 | 10.4 | 10.2 | 9.5 | 9.4 | 9.2 | 9.3 | 9.0 | 9.6 | 8.9 |
| 586 | 4 | F | 10.8 | 11.2 | 11.1 | 12.1 | 11.4 | 10.8 | 10.6 | 11.3 | 10.5 | 10.7 | 10.2 | 10.9 | 10.1 | 10.0 | 9.2 | 9.4 | 9.5 | 8.8 | 9.2 | 12.0 | 9.6 |
| 587 | 4 | F | 10.8 | 11.2 | 11.1 | 12.1 | 11.4 | 10.8 | 10.6 | 11.3 | 10.5 | 10.7 | 10.2 | 10.9 | 10.1 | 10.0 | 9.2 | 9.4 | 9.5 | 8.8 | 9.2 | 12.0 | 9.6 |
| 588 | 4 | F | 10.8 | 11.2 | 11.1 | 12.1 | 11.4 | 10.8 | 10.6 | 11.3 | 10.5 | 10.7 | 10.2 | 10.9 | 10.1 | 10.0 | 9.2 | 9.4 | 9.5 | 8.8 | 9.2 | 12.0 | 9.6 |
| 589 | 4 | F | 11.2 | 11.4 | 10.8 | 11.5 | 11.0 | 10.9 | 10.7 | --- | 10.4 | 10.5 | 10.6 | 10.7 | 10.3 | 10.0 | 9.3 | 9.5 | 9.4 | 9.1 | 9.2 | 10.0 | 9.2 |
| 590 | 4 | F | 11.2 | 11.4 | 10.8 | 11.5 | 11.0 | 10.9 | 10.7 | --- | 10.4 | 10.5 | 10.6 | 10.7 | 10.3 | 10.0 | 9.3 | 9.5 | 9.4 | 9.1 | 9.2 | 10.0 | 9.2 |
| 591 | 4 | F | 11.2 | 11.4 | 10.8 | 11.5 | 11.0 | 10.9 | 10.7 | --- | 10.4 | 10.5 | 10.6 | 10.7 | 10.3 | 10.0 | 9.3 | 9.5 | 9.4 | 9.1 | 9.2 | 10.0 | 9.2 |
| 592 | 4 | F | 12.1 | 12.0 | 12.0 | 11.7 | 11.3 | 11.3 | 10.8 | 14.9 | 10.9 | 11.3 | 11.6 | --- | 10.9 | 10.3 | 10.0 | 9.8 | 9.7 | 9.9 | 9.9 | 10.2 | 9.4 |
| 593 | 4 | F | 12.1 | 12.0 | 12.0 | 11.7 | 11.3 | 11.3 | 10.8 | 14.9 | 10.9 | 11.3 | 11.6 | --- | 10.9 | 10.3 | 10.0 | 9.8 | 9.7 | 9.9 | 9.9 | 10.2 | 9.4 |
| 594 | 4 | F | 12.1 | 12.0 | 12.0 | 11.7 | 11.3 | 11.3 | 10.8 | 14.9 | 10.9 | 11.3 | 11.6 | --- | 10.9 | 10.3 | 10.0 | 9.8 | 9.7 | 9.9 | 9.9 | 10.2 | 9.4 |
| 595 | 4 | F | 11.5 | 11.5 | 11.4 | 10.7 | 10.8 | 11.0 | 10.9 | 14.0 | 10.4 | 11.0 | 10.9 | 11.5 | 10.8 | 10.5 | 10.1 | 9.7 | 9.4 | 8.9 | 9.6 | 10.3 | 9.0 |
| 596 | 4 | F | 11.5 | 11.5 | 11.4 | 10.7 | 10.8 | 11.0 | 10.9 | 14.0 | 10.4 | 11.0 | 10.9 | 11.5 | 10.8 | 10.5 | 10.1 | 9.7 | 9.4 | 8.9 | 9.6 | 10.3 | 9.0 |
| 597 | 4 | F | 11.5 | 11.5 | 11.4 | 10.7 | 10.8 | 11.0 | 10.9 | 14.0 | 10.4 | 11.0 | 10.9 | 11.5 | 10.8 | 10.5 | 10.1 | 9.7 | 9.4 | 8.9 | 9.6 | 10.3 | 9.0 |
| 598 | 4 | F | 11.9 | 12.3 | 12.0 | 11.5 | 11.3 | 11.3 | 11.0 | 11.3 | 10.7 | 10.7 | 11.6 | 11.0 | 10.5 | 10.7 | 10.1 | 9.5 | 9.7 | 9.4 | 9.9 | 10.6 | 9.4 |
| 599 | 4 | F | 11.9 | 12.3 | 12.0 | 11.5 | 11.3 | 11.3 | 11.0 | 11.3 | 10.7 | 10.7 | 11.6 | 11.0 | 10.5 | 10.7 | 10.1 | 9.5 | 9.7 | 9.4 | 9.9 | 10.6 | 9.4 |
| 600 | 4 | F | 11.9 | 12.3 | 12.0 | 11.5 | 11.3 | 11.3 | 11.0 | 11.3 | 10.7 | 10.7 | 11.6 | 11.0 | 10.5 | 10.7 | 10.1 | 9.5 | 9.7 | 9.4 | 9.9 | 10.6 | 9.4 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 12.6 | 13.4 | 14.3 | 14.8 | 15.1 | 14.6 | 15.0 | 15.1 | 14.0 | 14.8 | 14.9 | 15.1 | 14.9 | 14.6 | 14.9 | 14.7 | 14.2 | 14.2 | 14.8 | 15.3 | 14.8 |
| 602 | 5 | M | 12.6 | 13.4 | 14.3 | 14.8 | 15.1 | 14.6 | 15.0 | 15.1 | 14.0 | 14.8 | 14.9 | 15.1 | 14.9 | 14.6 | 14.9 | 14.7 | 14.2 | 14.2 | 14.8 | 15.3 | 14.8 |
| 603 | 5 | M | 12.6 | 13.4 | 14.3 | 14.8 | 15.1 | 14.6 | 15.0 | 15.1 | 14.0 | 14.8 | 14.9 | 15.1 | 14.9 | 14.6 | 14.9 | 14.7 | 14.2 | 14.2 | 14.8 | 15.3 | 14.8 |
| 604 | 5 | M | 13.4 | 14.9 | 15.7 | 15.5 | 15.8 | 15.0 | 15.8 | 15.1 | 15.0 | 15.2 | 15.0 | 15.7 | 15.0 | 14.0 | 14.4 | 14.4 | 13.7 | 13.5 | 14.1 | 14.5 | 14.5 |
| 605 | 5 | M | 13.4 | 14.9 | 15.7 | 15.5 | 15.8 | 15.0 | 15.8 | 15.1 | 15.0 | 15.2 | 15.0 | 15.7 | 15.0 | 14.0 | 14.4 | 14.4 | 13.7 | 13.5 | 14.1 | 14.5 | 14.5 |
| 606 | 5 | M | 13.4 | 14.9 | 15.7 | 15.5 | 15.8 | 15.0 | 15.8 | 15.1 | 15.0 | 15.2 | 15.0 | 15.7 | 15.0 | 14.0 | 14.4 | 14.4 | 13.7 | 13.5 | 14.1 | 14.5 | 14.5 |
| 607 | 5 | M | 13.4 | 15.0 | 15.0 | 14.3 | 15.0 | 14.8 | 15.0 | 14.7 | 14.8 | 15.2 | 15.9 | 15.5 | 15.5 | 14.0 | 14.8 | 14.7 | 14.3 | 14.1 | 15.3 | 15.6 | 15.4 |
| 608 | 5 | M | 13.4 | 15.0 | 15.0 | 14.3 | 15.0 | 14.8 | 15.0 | 14.7 | 14.8 | 15.2 | 15.9 | 15.5 | 15.5 | 14.0 | 14.8 | 14.7 | 14.3 | 14.1 | 15.3 | 15.6 | 15.4 |
| 609 | 5 | M | 13.4 | 15.0 | 15.0 | 14.3 | 15.0 | 14.8 | 15.0 | 14.7 | 14.8 | 15.2 | 15.9 | 15.5 | 15.5 | 14.0 | 14.8 | 14.7 | 14.3 | 14.1 | 15.3 | 15.6 | 15.4 |
| 610 | 5 | M | 13.4 | 14.5 | 14.0 | 14.4 | 15.2 | 15.0 | 15.8 | 14.9 | 15.2 | 15.1 | 16.0 | 15.5 | 15.0 | 14.4 | 14.9 | 14.6 | 14.8 | 14.1 | 14.0 | 16.1 | 14.8 |
| 611 | 5 | M | 13.4 | 14.5 | 14.0 | 14.4 | 15.2 | 15.0 | 15.8 | 14.9 | 15.2 | 15.1 | 16.0 | 15.5 | 15.0 | 14.4 | 14.9 | 14.6 | 14.8 | 14.1 | 14.0 | 16.1 | 14.8 |
| 612 | 5 | M | 13.4 | 14.5 | 14.0 | 14.4 | 15.2 | 15.0 | 15.8 | 14.9 | 15.2 | 15.1 | 16.0 | 15.5 | 15.0 | 14.4 | 14.9 | 14.6 | 14.8 | 14.1 | 14.0 | 16.1 | 14.8 |
| 613 | 5 | M | 12.9 | 13.9 | 14.5 | 13.1 | 14.0 | 14.4 | 14.2 | 14.1 | 13.8 | 14.0 | 14.1 | 14.8 | 14.7 | 13.4 | 13.3 | 14.1 | 13.2 | 13.2 | 13.3 | 14.3 | 14.0 |
| 614 | 5 | M | 12.9 | 13.9 | 14.5 | 13.1 | 14.0 | 14.4 | 14.2 | 14.1 | 13.8 | 14.0 | 14.1 | 14.8 | 14.7 | 13.4 | 13.3 | 14.1 | 13.2 | 13.2 | 13.3 | 14.3 | 14.0 |
| 615 | 5 | M | 12.9 | 13.9 | 14.5 | 13.1 | 14.0 | 14.4 | 14.2 | 14.1 | 13.8 | 14.0 | 14.1 | 14.8 | 14.7 | 13.4 | 13.3 | 14.1 | 13.2 | 13.2 | 13.3 | 14.3 | 14.0 |
| 616 | 5 | M | 14.5 | 15.7 | 16.5 | 15.8 | 16.3 | 16.0 | 16.7 | 15.7 | 15.5 | 15.9 | 15.7 | 16.3 | 16.2 | 15.3 | 15.1 | 15.5 | 14.8 | 14.8 | 15.0 | 15.7 | 15.7 |
| 617 | 5 | M | 14.5 | 15.7 | 16.5 | 15.8 | 16.3 | 16.0 | 16.7 | 15.7 | 15.5 | 15.9 | 15.7 | 16.3 | 16.2 | 15.3 | 15.1 | 15.5 | 14.8 | 14.8 | 15.0 | 15.7 | 15.7 |
| 618 | 5 | M | 14.5 | 15.7 | 16.5 | 15.8 | 16.3 | 16.0 | 16.7 | 15.7 | 15.5 | 15.9 | 15.7 | 16.3 | 16.2 | 15.3 | 15.1 | 15.5 | 14.8 | 14.8 | 15.0 | 15.7 | 15.7 |
| 619 | 5 | M | 12.7 | 14.4 | 14.5 | 14.7 | 15.6 | 15.9 | 16.0 | 15.8 | 15.1 | 15.5 | 15.4 | 15.9 | 15.7 | 15.5 | 15.0 | 15.3 | 12.9 | 14.1 | 14.3 | 15.5 | 15.0 |
| 620 | 5 | M | 12.7 | 14.4 | 14.5 | 14.7 | 15.6 | 15.9 | 16.0 | 15.8 | 15.1 | 15.5 | 15.4 | 15.9 | 15.7 | 15.5 | 15.0 | 15.3 | 12.9 | 14.1 | 14.3 | 15.5 | 15.0 |
| 621 | 5 | M | 12.7 | 14.4 | 14.5 | 14.7 | 15.6 | 15.9 | 16.0 | 15.8 | 15.1 | 15.5 | 15.4 | 15.9 | 15.7 | 15.5 | 15.0 | 15.3 | 12.9 | 14.1 | 14.3 | 15.5 | 15.0 |
| 622 | 5 | M | 12.5 | 13.3 | 13.6 | 13.6 | 14.7 | 15.2 | 15.2 | 15.1 | 15.0 | 14.8 | 15.4 | 16.3 | 16.3 | 15.0 | 15.0 | 14.5 | 14.7 | 15.5 | 14.2 | 15.8 | 14.3 |
| 623 | 5 | M | 12.5 | 13.3 | 13.6 | 13.6 | 14.7 | 15.2 | 15.2 | 15.1 | 15.0 | 14.8 | 15.4 | 16.3 | 16.3 | 15.0 | 15.0 | 14.5 | 14.7 | 15.5 | 14.2 | 15.8 | 14.3 |
| 624 | 5 | M | 12.5 | 13.3 | 13.6 | 13.6 | 14.7 | 15.2 | 15.2 | 15.1 | 15.0 | 14.8 | 15.4 | 16.3 | 16.3 | 15.0 | 15.0 | 14.5 | 14.7 | 15.5 | 14.2 | 15.8 | 14.3 |
| 625 | 5 | M | 13.0 | 13.9 | 14.4 | 14.3 | 14.9 | 14.5 | 14.7 | 15.0 | 14.0 | 14.2 | 14.8 | 15.2 | 15.6 | 14.7 | 14.5 | 14.7 | 13.7 | 13.2 | 14.6 | 15.5 | 14.2 |
| 626 | 5 | M | 13.0 | 13.9 | 14.4 | 14.3 | 14.9 | 14.5 | 14.7 | 15.0 | 14.0 | 14.2 | 14.8 | 15.2 | 15.6 | 14.7 | 14.5 | 14.7 | 13.7 | 13.2 | 14.6 | 15.5 | 14.2 |
| 627 | 5 | M | 13.0 | 13.9 | 14.4 | 14.3 | 14.9 | 14.5 | 14.7 | 15.0 | 14.0 | 14.2 | 14.8 | 15.2 | 15.6 | 14.7 | 14.5 | 14.7 | 13.7 | 13.2 | 14.6 | 15.5 | 14.2 |
| 628 | 5 | M | 12.2 | 13.9 | 13.8 | 14.6 | 15.4 | 15.0 | 15.4 | 15.1 | 14.5 | 14.6 | 14.9 | 14.9 | 14.3 | 14.0 | 13.8 | 14.2 | 13.5 | 13.4 | 14.1 | 13.6 | 14.1 |
| 629 | 5 | M | 12.2 | 13.9 | 13.8 | 14.6 | 15.4 | 15.0 | 15.4 | 15.1 | 14.5 | 14.6 | 14.9 | 14.9 | 14.3 | 14.0 | 13.8 | 14.2 | 13.5 | 13.4 | 14.1 | 13.6 | 14.1 |
| 630 | 5 | M | 12.2 | 13.9 | 13.8 | 14.6 | 15.4 | 15.0 | 15.4 | 15.1 | 14.5 | 14.6 | 14.9 | 14.9 | 14.3 | 14.0 | 13.8 | 14.2 | 13.5 | 13.4 | 14.1 | 13.6 | 14.1 |
| 631 | 5 | M | 14.4 | 15.4 | 14.7 | 14.3 | 14.0 | 13.8 | 14.3 | 14.7 | 14.6 | 14.7 | 15.1 | 15.3 | 15.2 | 14.5 | 14.7 | 15.3 | 14.3 | 14.7 | 14.2 | 15.5 | 14.5 |
| 632 | 5 | M | 14.4 | 15.4 | 14.7 | 14.3 | 14.0 | 13.8 | 14.3 | 14.7 | 14.6 | 14.7 | 15.1 | 15.3 | 15.2 | 14.5 | 14.7 | 15.3 | 14.3 | 14.7 | 14.2 | 15.5 | 14.5 |
| 633 | 5 | M | 14.4 | 15.4 | 14.7 | 14.3 | 14.0 | 13.8 | 14.3 | 14.7 | 14.6 | 14.7 | 15.1 | 15.3 | 15.2 | 14.5 | 14.7 | 15.3 | 14.3 | 14.7 | 14.2 | 15.5 | 14.5 |
| 634 | 5 | M | 12.5 | 13.1 | 13.5 | 13.2 | 13.4 | 13.6 | 13.9 | 13.3 | 12.9 | 13.4 | 13.5 | 13.6 | 14.1 | 12.9 | 12.2 | 13.0 | 13.0 | 12.5 | 12.9 | 13.8 | 13.2 |
| 635 | 5 | M | 12.5 | 13.1 | 13.5 | 13.2 | 13.4 | 13.6 | 13.9 | 13.3 | 12.9 | 13.4 | 13.5 | 13.6 | 14.1 | 12.9 | 12.2 | 13.0 | 13.0 | 12.5 | 12.9 | 13.8 | 13.2 |
| 636 | 5 | M | 12.5 | 13.1 | 13.5 | 13.2 | 13.4 | 13.6 | 13.9 | 13.3 | 12.9 | 13.4 | 13.5 | 13.6 | 14.1 | 12.9 | 12.2 | 13.0 | 13.0 | 12.5 | 12.9 | 13.8 | 13.2 |
| 637 | 5 | M | 13.8 | 15.4 | 14.9 | 15.7 | 16.5 | 16.3 | 16.6 | 16.1 | 15.8 | 15.6 | 15.4 | 15.9 | 15.6 | 15.2 | 15.2 | 14.4 | 15.2 | 14.5 | 14.6 | 15.0 | 15.0 |
| 638 | 5 | M | 13.8 | 15.4 | 14.9 | 15.7 | 16.5 | 16.3 | 16.6 | 16.1 | 15.8 | 15.6 | 15.4 | 15.9 | 15.6 | 15.2 | 15.2 | 14.4 | 15.2 | 14.5 | 14.6 | 15.0 | 15.0 |
| 639 | 5 | M | 13.8 | 15.4 | 14.9 | 15.7 | 16.5 | 16.3 | 16.6 | 16.1 | 15.8 | 15.6 | 15.4 | 15.9 | 15.6 | 15.2 | 15.2 | 14.4 | 15.2 | 14.5 | 14.6 | 15.0 | 15.0 |
| 640 | 5 | M | 14.0 | 15.7 | 15.3 | 16.1 | 15.9 | 16.4 | 16.4 | 15.9 | 15.2 | 16.8 | 15.9 | 15.6 | 12.7 | 15.0 | 15.8 | 14.0 | 14.3 | 14.5 | 14.2 | 15.2 | 14.2 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

### TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | | |
| 641 | 5 | M | 14.0 | 15.7 | 15.3 | 16.1 | 15.9 | 16.4 | 16.4 | 15.9 | 15.2 | 16.8 | 15.9 | 15.6 | 12.7 | 15.0 | 15.8 | 14.0 | 14.3 | 14.5 | 14.2 | 15.2 | 14.2 |
| 642 | 5 | M | 14.0 | 15.7 | 15.3 | 16.1 | 15.9 | 16.4 | 16.4 | 15.9 | 15.2 | 16.8 | 15.9 | 15.6 | 12.7 | 15.0 | 15.8 | 14.0 | 14.3 | 14.5 | 14.2 | 15.2 | 14.2 |
| 643 | 5 | M | 13.9 | 15.0 | 14.3 | 14.8 | 14.7 | 14.5 | 15.0 | 14.8 | 14.8 | 14.9 | 15.5 | 16.2 | --- | 15.3 | 15.2 | 14.8 | 19.6 | 14.6 | 14.3 | 15.1 | 14.2 |
| 644 | 5 | M | 13.9 | 15.0 | 14.3 | 14.8 | 14.7 | 14.5 | 15.0 | 14.8 | 14.8 | 14.9 | 15.5 | 16.2 | --- | 15.3 | 15.2 | 14.8 | 19.6 | 14.6 | 14.3 | 15.1 | 14.2 |
| 645 | 5 | M | 13.9 | 15.0 | 14.3 | 14.8 | 14.7 | 14.5 | 15.0 | 14.8 | 14.8 | 14.9 | 15.5 | 16.2 | --- | 15.3 | 15.2 | 14.8 | 19.6 | 14.6 | 14.3 | 15.1 | 14.2 |
| 646 | 5 | M | 14.0 | 15.4 | 15.4 | 16.1 | 15.2 | 15.0 | 15.4 | 15.4 | 14.9 | 16.1 | 15.8 | 16.4 | 15.8 | 14.3 | 14.9 | 14.3 | 14.8 | 13.5 | 14.1 | 16.5 | 14.0 |
| 647 | 5 | M | 14.0 | 15.4 | 15.4 | 16.1 | 15.2 | 15.0 | 15.4 | 15.4 | 14.9 | 16.1 | 15.8 | 16.4 | 15.8 | 14.3 | 14.9 | 14.3 | 14.8 | 13.5 | 14.1 | 16.5 | 14.0 |
| 648 | 5 | M | 14.0 | 15.4 | 15.4 | 16.1 | 15.2 | 15.0 | 15.1 | 15.4 | 14.9 | 16.1 | 15.8 | 16.4 | 15.8 | 14.3 | 14.9 | 14.3 | 14.8 | 13.5 | 14.1 | 16.5 | 14.0 |
| 649 | 5 | M | 14.3 | 15.7 | 15.2 | 15.9 | 15.2 | 15.2 | 15.1 | 15.3 | 14.6 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 14.5 | 15.2 | 14.1 | 14.1 | 14.2 | 16.5 | 14.4 |
| 650 | 5 | M | 14.3 | 15.7 | 15.2 | 15.9 | 15.2 | 15.2 | 15.1 | 15.3 | 14.6 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 14.5 | 15.2 | 14.1 | 14.1 | 14.2 | 16.5 | 14.4 |
| 651 | 5 | M | 14.3 | 15.7 | 15.2 | 15.9 | 15.2 | 15.2 | 15.1 | 15.3 | 14.6 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 14.5 | 15.2 | 14.1 | 14.1 | 14.2 | 16.5 | 14.4 |
| 652 | 5 | M | 13.2 | 14.9 | 11.6 | 15.2 | 15.3 | 15.3 | 15.2 | 15.2 | 14.4 | 15.1 | 15.7 | 16.0 | 15.2 | 14.6 | 14.4 | 14.3 | 14.0 | 14.3 | 14.1 | 14.4 | 14.2 |
| 653 | 5 | M | 13.2 | 14.9 | 14.6 | 15.2 | 15.3 | 15.3 | 15.2 | 15.2 | 14.4 | 15.1 | 15.7 | 16.0 | 15.2 | 14.6 | 14.4 | 14.3 | 14.0 | 14.3 | 14.1 | 14.4 | 14.2 |
| 654 | 5 | M | 13.2 | 14.9 | 14.6 | 15.2 | 15.3 | 15.3 | 15.2 | 15.2 | 14.4 | 15.1 | 15.7 | 16.0 | 15.2 | 14.6 | 14.4 | 14.3 | 14.0 | 14.3 | 14.1 | 14.4 | 14.2 |
| 655 | 5 | M | 14.1 | 15.5 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 15.0 | 14.7 | 15.3 | 15.4 | 15.1 | 15.0 | 14.0 | 14.4 | 14.3 | 13.9 | 14.8 | 13.3 | 14.4 | 13.3 |
| 656 | 5 | M | 14.1 | 15.5 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 15.0 | 14.7 | 15.3 | 15.4 | 15.1 | 15.0 | 14.0 | 14.4 | 14.3 | 13.9 | 14.8 | 13.3 | 14.4 | 13.3 |
| 657 | 5 | M | 14.1 | 15.5 | 15.0 | 15.3 | 15.5 | 15.4 | 14.9 | 15.0 | 14.7 | 15.3 | 15.4 | 15.1 | 15.0 | 14.0 | 14.4 | 14.3 | 13.9 | 14.8 | 13.3 | 14.4 | 13.3 |
| 658 | 5 | M | 13.3 | 14.8 | 15.2 | 15.1 | 15.2 | 15.6 | 15.8 | 15.4 | 15.3 | 15.3 | 15.5 | 15.6 | 15.6 | 14.5 | 14.0 | 13.9 | 14.5 | 13.9 | 13.6 | 14.9 | 14.2 |
| 659 | 5 | M | 13.3 | 14.8 | 15.2 | 15.1 | 15.2 | 15.6 | 15.8 | 15.4 | 15.3 | 15.3 | 15.5 | 15.6 | 15.6 | 14.5 | 14.0 | 13.9 | 14.5 | 13.9 | 13.6 | 14.9 | 14.2 |
| 660 | 5 | M | 13.3 | 14.8 | 15.2 | 15.1 | 15.2 | 15.6 | 15.8 | 15.4 | 15.3 | 15.3 | 15.5 | 15.6 | 15.6 | 14.5 | 14.0 | 13.9 | 14.5 | 13.9 | 13.6 | 14.9 | 14.2 |
| 661 | 5 | M | 14.2 | 14.6 | 14.3 | 15.2 | 15.2 | 14.4 | 15.1 | 14.8 | 14.4 | 15.1 | 15.4 | 15.4 | 14.9 | 14.3 | 15.3 | 15.1 | 14.8 | 14.0 | 13.9 | 14.7 | 14.5 |
| 662 | 5 | M | 14.2 | 14.6 | 14.3 | 15.2 | 15.2 | 14.4 | 15.1 | 14.8 | 14.4 | 15.1 | 15.4 | 15.4 | 14.9 | 14.3 | 15.3 | 15.1 | 14.8 | 14.0 | 13.9 | 14.7 | 14.5 |
| 663 | 5 | M | 14.2 | 14.6 | 14.3 | 15.2 | 15.2 | 14.4 | 15.1 | 14.8 | 14.4 | 15.1 | 15.4 | 15.4 | 14.9 | 14.3 | 15.3 | 15.1 | 14.8 | 14.0 | 13.9 | 14.7 | 14.5 |
| 664 | 5 | M | 14.2 | 15.1 | 15.2 | 15.0 | 15.6 | 15.3 | 15.6 | 15.3 | 14.7 | 15.1 | 15.0 | 15.1 | 13.7 | 13.6 | 13.5 | 14.2 | 13.6 | 13.4 | 13.7 | 14.2 | 14.0 |
| 665 | 5 | M | 14.2 | 15.1 | 15.2 | 15.0 | 15.6 | 15.3 | 15.6 | 15.3 | 14.7 | 15.1 | 15.0 | 15.1 | 13.7 | 13.6 | 13.5 | 14.2 | 13.6 | 13.4 | 13.7 | 14.2 | 14.0 |
| 666 | 5 | M | 14.2 | 15.1 | 15.2 | 15.0 | 15.6 | 15.3 | 15.6 | 15.3 | 14.7 | 15.1 | 15.0 | 15.1 | 13.7 | 13.6 | 13.5 | 14.2 | 13.6 | 13.4 | 13.7 | 14.2 | 14.0 |
| 667 | 5 | M | 14.1 | 14.8 | 14.6 | 15.7 | 16.1 | 15.2 | 15.9 | 15.6 | 15.3 | 15.8 | 16.1 | 16.0 | 15.4 | 15.3 | 14.2 | 14.2 | 14.2 | 14.0 | 14.9 | 15.6 | 14.6 |
| 668 | 5 | M | 14.1 | 14.8 | 14.6 | 15.7 | 16.1 | 15.2 | 15.9 | 15.6 | 15.3 | 15.8 | 16.1 | 16.0 | 15.4 | 15.3 | 14.2 | 14.2 | 14.2 | 14.0 | 14.9 | 15.6 | 14.6 |
| 669 | 5 | M | 14.1 | 14.8 | 14.6 | 15.7 | 16.1 | 15.2 | 15.9 | 15.6 | 15.3 | 15.8 | 16.1 | 16.0 | 15.4 | 15.3 | 14.2 | 14.2 | 14.2 | 14.0 | 14.9 | 15.6 | 14.6 |
| 670 | 5 | M | 13.4 | 14.1 | 13.5 | 14.0 | 14.9 | 15.0 | 15.4 | 15.3 | 15.1 | 15.0 | 15.8 | 16.0 | 15.6 | 14.5 | 14.6 | 14.6 | 14.0 | 14.3 | 13.9 | 14.5 | 14.6 |
| 671 | 5 | M | 13.4 | 14.1 | 13.5 | 14.0 | 14.9 | 15.0 | 15.4 | 15.3 | 15.1 | 15.0 | 15.8 | 16.0 | 15.6 | 14.5 | 14.6 | 14.6 | 14.0 | 14.3 | 13.9 | 14.5 | 14.6 |
| 672 | 5 | M | 13.4 | 14.1 | 13.5 | 14.0 | 14.9 | 15.0 | 15.4 | 15.3 | 15.1 | 15.0 | 15.8 | 16.0 | 15.6 | 14.5 | 14.6 | 14.6 | 14.0 | 14.3 | 13.9 | 14.5 | 14.6 |
| 673 | 5 | M | 15.4 | 16.4 | 17.0 | 17.3 | 17.0 | 16.8 | 17.0 | 17.4 | 17.0 | 16.6 | 16.6 | 17.0 | 16.3 | 15.7 | 15.8 | 16.0 | 15.5 | 15.4 | 15.2 | 15.7 | 15.8 |
| 674 | 5 | M | 15.4 | 16.4 | 17.0 | 17.3 | 17.0 | 16.8 | 17.0 | 17.4 | 17.0 | 16.6 | 16.6 | 17.0 | 16.3 | 15.7 | 15.8 | 16.0 | 15.5 | 15.4 | 15.2 | 15.7 | 15.8 |
| 675 | 5 | M | 15.4 | 16.4 | 17.0 | 17.3 | 17.0 | 16.8 | 17.0 | 17.4 | 17.0 | 16.6 | 16.6 | 17.0 | 16.3 | 15.7 | 15.8 | 16.0 | 15.5 | 15.4 | 15.2 | 15.7 | 15.8 |
| 676 | 5 | F | 11.2 | 11.4 | 10.8 | 10.5 | 10.2 | 9.5 | 10.4 | 9.8 | 9.4 | 10.0 | 9.3 | 9.9 | 9.4 | 9.3 | 8.5 | 9.0 | 8.8 | 7.9 | 8.4 | 8.8 | 8.8 |
| 677 | 5 | F | 11.2 | 11.4 | 10.8 | 10.5 | 10.2 | 9.5 | 10.4 | 9.8 | 9.4 | 10.0 | 9.3 | 9.9 | 9.4 | 9.3 | 8.5 | 9.0 | 8.8 | 7.9 | 8.4 | 8.8 | 8.8 |
| 678 | 5 | F | 11.2 | 11.4 | 10.8 | 10.5 | 10.2 | 9.5 | 10.4 | 9.8 | 9.4 | 10.0 | 9.3 | 9.9 | 9.4 | 9.3 | 8.5 | 9.0 | 8.8 | 7.9 | 8.4 | 8.8 | 8.8 |
| 679 | 5 | F | 11.8 | 12.2 | 11.0 | 11.0 | 10.2 | 9.8 | 10.7 | 10.2 | 9.1 | 9.9 | 9.6 | 9.9 | 9.5 | 9.5 | 9.1 | 9.2 | 9.0 | 8.5 | 9.1 | 9.3 | 8.7 |
| 680 | 5 | F | 11.8 | 12.2 | 11.0 | 11.0 | 10.2 | 9.8 | 10.7 | 10.2 | 9.1 | 9.9 | 9.6 | 9.9 | 9.5 | 9.5 | 9.1 | 9.2 | 9.0 | 8.5 | 9.1 | 9.3 | 8.7 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 681 | 5 | F | 11.8 | 12.2 | 11.0 | 11.0 | 10.2 | 9.8 | 10.7 | 10.2 | 9.1 | 9.9 | 9.6 | 9.9 | 9.5 | 9.5 | 9.1 | 9.2 | 9.0 | 8.5 | 9.1 | 9.3 | 8.7 |
| 682 | 5 | F | 10.5 | 9.9 | 11.2 | 9.6 | 10.2 | 9.4 | 9.4 | 9.5 | 8.7 | 9.1 | 8.8 | 9.1 | 8.9 | 8.8 | 8.4 | 8.5 | 8.4 | 8.3 | 8.4 | 8.1 | 8.4 |
| 683 | 5 | F | 10.5 | 9.9 | 11.2 | 9.6 | 10.2 | 9.4 | 9.4 | 9.5 | 8.7 | 9.1 | 8.8 | 9.1 | 8.9 | 8.8 | 8.4 | 8.5 | 8.4 | 8.3 | 8.4 | 8.1 | 8.4 |
| 684 | 5 | F | 10.5 | 9.9 | 11.2 | 9.6 | 10.2 | 9.4 | 9.4 | 9.5 | 8.7 | 9.1 | 8.8 | 9.1 | 8.9 | 8.8 | 8.4 | 8.5 | 8.4 | 8.3 | 8.4 | 8.1 | 8.4 |
| 685 | 5 | F | 11.6 | 11.7 | 10.7 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | 9.8 | 9.9 | 9.7 | 10.2 | 9.6 | 9.6 | 8.9 | 9.4 | 9.0 | 8.1 | 8.4 | 8.9 | 9.0 |
| 686 | 5 | F | 11.6 | 11.7 | 10.7 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | 9.8 | 9.9 | 9.7 | 10.2 | 9.6 | 9.6 | 8.9 | 9.4 | 9.0 | 8.1 | 8.4 | 8.9 | 9.0 |
| 687 | 5 | F | 11.6 | 11.7 | 10.7 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | 9.8 | 9.9 | 9.7 | 10.2 | 9.6 | 9.6 | 8.9 | 9.4 | 9.0 | 8.1 | 8.4 | 8.9 | 9.0 |
| 688 | 5 | F | 10.0 | 10.6 | 11.0 | 10.2 | 10.6 | 10.4 | 10.3 | 9.7 | 9.5 | 9.3 | 9.5 | 9.9 | 8.8 | 9.5 | 8.9 | 9.2 | 9.0 | 8.3 | 8.4 | 8.7 | 8.9 |
| 689 | 5 | F | 10.0 | 10.6 | 11.0 | 10.2 | 10.6 | 10.4 | 10.3 | 9.7 | 9.5 | 9.3 | 9.5 | 9.9 | 8.8 | 9.5 | 8.9 | 9.2 | 9.0 | 8.3 | 8.4 | 8.7 | 8.9 |
| 690 | 5 | F | 10.0 | 10.6 | 11.0 | 10.2 | 10.6 | 10.4 | 10.3 | 9.7 | 9.5 | 9.3 | 9.5 | 9.9 | 8.8 | 9.5 | 8.9 | 9.2 | 9.0 | 8.3 | 8.4 | 8.7 | 8.9 |
| 691 | 5 | F | 11.6 | 12.0 | 11.2 | 10.4 | 10.5 | 10.5 | 10.0 | 10.2 | 9.8 | 10.0 | 9.9 | 10.0 | 9.6 | 9.8 | 9.5 | --- | 8.4 | 8.8 | 9.3 | 9.7 | 8.7 |
| 692 | 5 | F | 11.6 | 12.0 | 11.2 | 10.4 | 10.5 | 10.5 | 10.0 | 10.2 | 9.8 | 10.0 | 9.9 | 10.0 | 9.6 | 9.8 | 9.5 | --- | 8.4 | 8.8 | 9.3 | 9.7 | 8.7 |
| 693 | 5 | F | 11.6 | 12.0 | 11.2 | 10.4 | 10.5 | 10.5 | 10.0 | 10.2 | 9.8 | 10.0 | 9.9 | 10.0 | 9.6 | 9.8 | 9.5 | --- | 8.4 | 8.8 | 9.3 | 9.7 | 8.7 |
| 694 | 5 | F | 11.0 | 11.5 | 11.8 | 9.9 | 10.1 | 9.9 | 9.9 | 9.9 | 9.2 | 10.0 | --- | 10.0 | 9.3 | 9.5 | 9.0 | 9.2 | 9.5 | 8.4 | 8.5 | 9.4 | 8.9 |
| 695 | 5 | F | 11.0 | 11.5 | 11.8 | 9.9 | 10.1 | 9.9 | 9.9 | 9.9 | 9.2 | 10.0 | --- | 10.0 | 9.3 | 9.5 | 9.0 | 9.2 | 9.5 | 8.4 | 8.5 | 9.4 | 8.9 |
| 696 | 5 | F | 11.0 | 11.5 | 11.8 | 9.9 | 10.1 | 9.9 | 9.9 | 9.9 | 9.2 | 10.0 | --- | 10.0 | 9.3 | 9.5 | 9.0 | 9.2 | 9.5 | 8.4 | 8.5 | 9.4 | 8.9 |
| 697 | 5 | F | 11.7 | 11.9 | 10.6 | 10.0 | 11.0 | 10.2 | 10.6 | 10.6 | 10.0 | 10.0 | 10.1 | 10.2 | 10.2 | 10.4 | 9.9 | 10.1 | 9.9 | 9.0 | 9.0 | 10.0 | 9.5 |
| 698 | 5 | F | 11.7 | 11.9 | 10.6 | 10.0 | 11.0 | 10.2 | 10.6 | 10.6 | 10.0 | 10.0 | 10.1 | 10.2 | 10.2 | 10.4 | 9.9 | 10.1 | 9.9 | 9.0 | 9.0 | 10.0 | 9.5 |
| 699 | 5 | F | 11.7 | 11.9 | 10.6 | 10.0 | 11.0 | 10.2 | 10.6 | 10.6 | 10.0 | 10.0 | 10.1 | 10.2 | 10.2 | 10.4 | 9.9 | 10.1 | 9.9 | 9.0 | 9.0 | 10.0 | 9.5 |
| 700 | 5 | F | 10.9 | 11.6 | 11.0 | 9.8 | 9.3 | 9.1 | 9.7 | 9.7 | 9.1 | 9.4 | 9.0 | 9.7 | 9.1 | 9.0 | 9.0 | 8.8 | 9.2 | 8.3 | 8.5 | 9.0 | 8.9 |
| 701 | 5 | F | 10.9 | 11.6 | 11.0 | 9.8 | 9.3 | 9.1 | 9.7 | 9.7 | 9.1 | 9.4 | 9.0 | 9.7 | 9.1 | 9.0 | 9.0 | 8.8 | 9.2 | 8.3 | 8.5 | 9.0 | 8.9 |
| 702 | 5 | F | 10.9 | 11.6 | 11.0 | 9.8 | 9.3 | 9.1 | 9.7 | 9.7 | 9.1 | 9.4 | 9.0 | 9.7 | 9.1 | 9.0 | 9.0 | 8.8 | 9.2 | 8.3 | 8.5 | 9.0 | 8.9 |
| 703 | 5 | F | 10.3 | 11.0 | 10.3 | 9.0 | 9.6 | 8.8 | 9.2 | 9.0 | 9.4 | 8.8 | 8.9 | 9.3 | 8.7 | 8.4 | 8.0 | 8.4 | 8.4 | 7.5 | 7.7 | 8.5 | 6.6 |
| 704 | 5 | F | 10.3 | 11.0 | 10.3 | 9.0 | 9.6 | 8.8 | 9.2 | 9.0 | 9.4 | 8.8 | 8.9 | 9.3 | 8.7 | 8.4 | 8.0 | 8.4 | 8.4 | 7.5 | 7.7 | 8.5 | 6.6 |
| 705 | 5 | F | 10.3 | 11.0 | 10.3 | 9.0 | 9.6 | 8.8 | 9.2 | 9.0 | 9.4 | 8.8 | 8.9 | 9.3 | 8.7 | 8.4 | 8.0 | 8.4 | 8.4 | 7.5 | 7.7 | 8.5 | 6.6 |
| 706 | 5 | F | 10.4 | 10.6 | 10.0 | 9.9 | 9.5 | 9.2 | 9.4 | 9.5 | 9.1 | 9.7 | 9.7 | 7.7 | 9.0 | 8.9 | 8.3 | 8.5 | 9.0 | 7.9 | 8.2 | 8.8 | 8.8 |
| 707 | 5 | F | 10.4 | 10.6 | 10.0 | 9.9 | 9.5 | 9.2 | 9.4 | 9.5 | 9.1 | 9.7 | 9.7 | 7.7 | 9.0 | 8.9 | 8.3 | 8.5 | 9.0 | 7.9 | 8.2 | 8.8 | 8.8 |
| 708 | 5 | F | 10.4 | 10.6 | 10.0 | 9.9 | 9.5 | 9.2 | 9.4 | 9.5 | 9.1 | 9.7 | 9.7 | 7.7 | 9.0 | 8.9 | 8.3 | 8.5 | 9.0 | 7.9 | 8.2 | 8.8 | 8.8 |
| 709 | 5 | F | 11.0 | 11.0 | 10.5 | 10.0 | 9.9 | 9.8 | 9.9 | 9.8 | 9.4 | 9.6 | 11.9 | 9.8 | 9.1 | 9.7 | 8.7 | 8.7 | 8.7 | 8.3 | 8.5 | 9.0 | 8.3 |
| 710 | 5 | F | 11.0 | 11.0 | 10.5 | 10.0 | 9.9 | 9.8 | 9.9 | 9.8 | 9.4 | 9.6 | 11.9 | 9.8 | 9.1 | 9.7 | 8.7 | 8.7 | 8.7 | 8.3 | 8.5 | 9.0 | 8.3 |
| 711 | 5 | F | 11.0 | 11.0 | 10.5 | 10.0 | 9.9 | 9.8 | 9.9 | 9.8 | 9.4 | 9.6 | 11.9 | 9.8 | 9.1 | 9.7 | 8.7 | 8.7 | 8.7 | 8.3 | 8.5 | 9.0 | 8.3 |
| 712 | 5 | F | 10.6 | 10.9 | 10.3 | 10.3 | 9.6 | 9.5 | 9.2 | 9.2 | 9.0 | 9.0 | 9.0 | 9.2 | 8.9 | 8.7 | 8.6 | 8.4 | 7.8 | 7.8 | 8.1 | 8.1 | 8.2 |
| 713 | 5 | F | 10.6 | 10.9 | 10.3 | 10.3 | 9.6 | 9.5 | 9.2 | 9.2 | 9.0 | 9.0 | 9.0 | 9.2 | 8.9 | 8.7 | 8.6 | 8.4 | 7.8 | 7.8 | 8.1 | 8.1 | 8.2 |
| 714 | 5 | F | 10.6 | 10.9 | 10.3 | 10.3 | 9.6 | 9.5 | 9.2 | 9.2 | 9.0 | 9.0 | 9.0 | 9.2 | 8.9 | 8.7 | 8.6 | 8.4 | 7.8 | 7.8 | 8.1 | 8.1 | 8.2 |
| 715 | 5 | F | 10.9 | 9.1 | 11.2 | 10.4 | 10.5 | 10.3 | 10.5 | 10.1 | 9.7 | 10.0 | 9.9 | 9.9 | 9.6 | 9.8 | 9.0 | 8.8 | 9.0 | 8.2 | 9.1 | 9.0 | 8.4 |
| 716 | 5 | F | 10.9 | 9.1 | 11.2 | 10.4 | 10.5 | 10.3 | 10.5 | 10.1 | 9.7 | 10.0 | 9.9 | 9.9 | 9.6 | 9.8 | 9.0 | 8.8 | 9.0 | 8.2 | 9.1 | 9.0 | 8.4 |
| 717 | 5 | F | 10.9 | 9.1 | 11.2 | 10.4 | 10.5 | 10.3 | 10.5 | 10.1 | 9.7 | 10.0 | 9.9 | 9.9 | 9.6 | 9.8 | 9.0 | 8.8 | 9.0 | 8.2 | 9.1 | 9.0 | 8.4 |
| 718 | 5 | F | 10.7 | 11.0 | 10.5 | 10.1 | 9.9 | 10.0 | 9.3 | 9.8 | 9.4 | 3.1 | 9.3 | 9.8 | 9.3 | 9.2 | 8.9 | 8.7 | 8.4 | 8.0 | 8.6 | 9.1 | 8.7 |
| 719 | 5 | F | 10.7 | 11.0 | 10.5 | 10.1 | 9.9 | 10.0 | 9.3 | 9.8 | 9.4 | 3.1 | 9.3 | 9.8 | 9.3 | 9.2 | 8.9 | 8.7 | 8.4 | 8.0 | 8.6 | 9.1 | 8.7 |
| 720 | 5 | F | 10.7 | 11.0 | 10.5 | 10.1 | 9.9 | 10.0 | 9.3 | 9.8 | 9.4 | 3.1 | 9.3 | 9.8 | 9.3 | 9.2 | 8.9 | 8.7 | 8.4 | 8.0 | 8.6 | 9.1 | 8.7 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK -2 | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 721 | 5 | F | 11.3 | 11.7 | 10.9 | 10.7 | 10.2 | 9.7 | 10.6 | 10.2 | 9.6 | 10.2 | 9.8 | 9.9 | 10.3 | 10.1 | 9.3 | 9.1 | 9.1 | 8.4 | 8.1 | 9.1 | 9.0 |
| 722 | 5 | F | 11.3 | 11.7 | 10.9 | 10.7 | 10.2 | 9.7 | 10.6 | 10.2 | 9.6 | 10.2 | 9.8 | 9.9 | 10.3 | 10.1 | 9.3 | 9.1 | 9.1 | 8.4 | 8.1 | 9.1 | 9.0 |
| 723 | 5 | F | 11.3 | 11.7 | 10.9 | 10.7 | 10.2 | 9.7 | 10.6 | 10.2 | 9.6 | 10.2 | 9.8 | 9.9 | 10.3 | 10.1 | 9.3 | 9.1 | 9.1 | 8.4 | 8.1 | 9.1 | 9.0 |
| 724 | 5 | F | 11.0 | 12.1 | 11.0 | 10.9 | 10.7 | 10.5 | 10.1 | 10.0 | 10.1 | 10.0 | 9.3 | 9.8 | 9.6 | 9.2 | 8.5 | 8.6 | 8.6 | 7.3 | 8.4 | 9.0 | 8.1 |
| 725 | 5 | F | 11.0 | 12.1 | 11.0 | 10.9 | 10.7 | 10.5 | 10.1 | 10.0 | 10.1 | 10.0 | 9.3 | 9.8 | 9.6 | 9.2 | 8.5 | 8.6 | 8.6 | 7.3 | 8.4 | 9.0 | 8.1 |
| 726 | 5 | F | 11.0 | 12.1 | 11.0 | 10.9 | 10.7 | 10.5 | 10.1 | 10.0 | 10.1 | 10.0 | 9.3 | 9.8 | 9.6 | 9.2 | 8.5 | 8.6 | 8.6 | 7.3 | 8.4 | 9.0 | 8.1 |
| 727 | 5 | F | 11.7 | 11.7 | 10.9 | 10.8 | 10.3 | 12.9 | 10.0 | 10.3 | 9.9 | 14.9 | 10.3 | 10.5 | 10.0 | 10.1 | 9.3 | 8.6 | 8.7 | 9.0 | 9.0 | 9.8 | 9.0 |
| 728 | 5 | F | 11.7 | 11.7 | 10.9 | 10.8 | 10.3 | 12.9 | 10.0 | 10.3 | 9.9 | 14.9 | 10.3 | 10.5 | 10.0 | 10.1 | 9.3 | 8.6 | 8.7 | 9.0 | 9.0 | 9.8 | 9.0 |
| 729 | 5 | F | 11.7 | 11.7 | 10.9 | 10.8 | 10.3 | 12.9 | 10.0 | 10.3 | 9.9 | 14.9 | 10.3 | 10.5 | 10.0 | 10.1 | 9.3 | 8.6 | 8.7 | 9.0 | 9.0 | 9.8 | 9.0 |
| 730 | 5 | F | 10.6 | 11.0 | 10.4 | 10.4 | 10.0 | 9.9 | 9.7 | 9.9 | 9.9 | 9.6 | 9.6 | 9.4 | 7.8 | 10.8 | 9.4 | 8.7 | 8.7 | 8.1 | 8.4 | 9.2 | 8.8 |
| 731 | 5 | F | 10.6 | 11.0 | 10.4 | 10.4 | 10.0 | 9.9 | 9.7 | 9.9 | 9.9 | 9.6 | 9.6 | 9.4 | 7.8 | 10.8 | 9.4 | 8.7 | 8.7 | 8.1 | 8.4 | 9.2 | 8.8 |
| 732 | 5 | F | 10.6 | 11.0 | 10.4 | 10.4 | 10.0 | 9.9 | 9.7 | 9.9 | 9.9 | 9.6 | 9.6 | 9.4 | 7.8 | 10.8 | 9.4 | 8.7 | 8.7 | 8.1 | 8.4 | 9.2 | 8.8 |
| 733 | 5 | F | 11.9 | 12.1 | 11.2 | 11.3 | 11.0 | 11.0 | 10.6 | 11.0 | 10.6 | 10.9 | 10.8 | 11.2 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.0 | 9.5 | 10.9 | 9.3 |
| 734 | 5 | F | 11.9 | 12.1 | 11.2 | 11.3 | 11.0 | 11.0 | 10.6 | 11.0 | 10.6 | 10.9 | 10.8 | 11.2 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.0 | 9.5 | 10.9 | 9.3 |
| 735 | 5 | F | 11.9 | 12.1 | 11.2 | 11.3 | 11.0 | 11.0 | 10.6 | 11.0 | 10.6 | 10.9 | 10.8 | 11.2 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.0 | 9.5 | 10.9 | 9.3 |
| 736 | 5 | F | 11.7 | 12.3 | 11.3 | 11.0 | 10.6 | 10.5 | 10.4 | 10.6 | 10.1 | 10.1 | 10.1 | 10.8 | 10.1 | 9.3 | 9.3 | 9.4 | 9.0 | 8.1 | 8.7 | 9.1 | 9.2 |
| 737 | 5 | F | 11.7 | 12.3 | 11.3 | 11.0 | 10.6 | 10.5 | 10.4 | 10.6 | 10.1 | 10.1 | 10.1 | 10.8 | 10.1 | 9.3 | 9.3 | 9.4 | 9.0 | 8.1 | 8.7 | 9.1 | 9.2 |
| 738 | 5 | F | 11.7 | 12.3 | 11.3 | 11.0 | 10.6 | 10.5 | 10.4 | 10.6 | 10.1 | 10.1 | 10.1 | 10.8 | 10.1 | 9.3 | 9.3 | 9.4 | 9.0 | 8.1 | 8.7 | 9.1 | 9.2 |
| 739 | 5 | F | 11.3 | 12.1 | 11.7 | 11.2 | 10.8 | 10.6 | 10.7 | 10.6 | 10.4 | 10.4 | 9.9 | 10.2 | 9.7 | 9.8 | 8.9 | 9.0 | 8.8 | 8.6 | 9.0 | 9.7 | 9.0 |
| 740 | 5 | F | 11.3 | 12.1 | 11.7 | 11.2 | 10.8 | 10.6 | 10.7 | 10.6 | 10.4 | 10.4 | 9.9 | 10.2 | 9.7 | 9.8 | 8.9 | 9.0 | 8.8 | 8.6 | 9.0 | 9.7 | 9.0 |
| 741 | 5 | F | 11.3 | 12.1 | 11.7 | 11.2 | 10.8 | 10.6 | 10.7 | 10.6 | 10.4 | 10.4 | 9.9 | 10.2 | 9.7 | 9.8 | 8.9 | 9.0 | 8.8 | 8.6 | 9.0 | 9.7 | 9.0 |
| 742 | 5 | F | 11.1 | 11.6 | 10.7 | 11.4 | 11.3 | 10.8 | 10.5 | 10.0 | 10.1 | 10.0 | 10.1 | 10.3 | 10.0 | 9.8 | 8.7 | 9.0 | 8.4 | 8.6 | 8.8 | 8.9 | 9.0 |
| 743 | 5 | F | 11.1 | 11.6 | 10.7 | 11.4 | 11.3 | 10.8 | 10.5 | 10.0 | 10.1 | 10.0 | 10.1 | 10.3 | 10.0 | 9.8 | 8.7 | 9.0 | 8.4 | 8.6 | 8.8 | 8.9 | 9.0 |
| 744 | 5 | F | 11.1 | 11.6 | 10.7 | 11.4 | 11.3 | 10.8 | 10.5 | 10.0 | 10.1 | 10.0 | 10.1 | 10.3 | 10.0 | 9.8 | 8.7 | 9.0 | 8.4 | 8.6 | 8.8 | 8.9 | 9.0 |
| 745 | 5 | F | 11.7 | 12.1 | 11.0 | 11.1 | 10.9 | 10.0 | 10.1 | 10.6 | 9.9 | 10.1 | 10.4 | 10.0 | 9.5 | 9.2 | 9.0 | 9.0 | 8.8 | 8.6 | 8.7 | 9.7 | 9.0 |
| 746 | 5 | F | 11.7 | 12.1 | 11.0 | 11.1 | 10.9 | 10.0 | 10.1 | 10.6 | 9.9 | 10.1 | 10.4 | 10.0 | 9.5 | 9.2 | 9.0 | 9.0 | 8.8 | 8.6 | 8.7 | 9.7 | 9.0 |
| 747 | 5 | F | 11.7 | 12.1 | 11.0 | 11.1 | 10.9 | 10.0 | 10.1 | 10.6 | 9.9 | 10.1 | 10.4 | 10.0 | 9.5 | 9.2 | 9.0 | 9.0 | 8.8 | 8.6 | 8.7 | 9.7 | 9.0 |
| 748 | 5 | F | 11.0 | 12.2 | 11.6 | 11.6 | 11.5 | 11.0 | 10.7 | 10.7 | 9.9 | 10.4 | 10.2 | 10.4 | 9.6 | 9.4 | 9.0 | 8.8 | 8.7 | 7.5 | 8.1 | 9.5 | 9.0 |
| 749 | 5 | F | 11.0 | 12.2 | 11.6 | 11.6 | 11.5 | 11.0 | 10.7 | 10.7 | 9.9 | 10.4 | 10.2 | 10.4 | 9.6 | 9.4 | 9.0 | 8.8 | 8.7 | 7.5 | 8.1 | 9.5 | 9.0 |
| 750 | 5 | F | 11.0 | 12.2 | 11.6 | 11.6 | 11.5 | 11.0 | 10.7 | 10.7 | 9.9 | 10.4 | 10.2 | 10.4 | 9.6 | 9.4 | 9.0 | 8.8 | 8.7 | 7.5 | 8.1 | 9.5 | 9.0 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | M | 16.3 | 15.9 | 16.1 | 15.8 | 16.7 | 16.4 | 15.4 | 17.0 | 16.8 | 14.7 | 19.0 | 16.1 | 15.0 | --- | --- | --- | --- | --- | --- | --- |
| 2 | 1 | M | 16.3 | 15.9 | 16.1 | 15.8 | 16.7 | 16.4 | 15.4 | 17.0 | 16.8 | 14.7 | 19.0 | 16.1 | 15.0 | 17.2 | 17.5 | 18.3 | 17.9 | 17.0 | 18.1 | 17.4 |
| 3 | 1 | M | 16.3 | 15.9 | 16.1 | 15.8 | 16.7 | 16.4 | 15.4 | 17.0 | 16.8 | 14.7 | 19.0 | 16.1 | 15.0 | 17.2 | 17.5 | 18.3 | 17.9 | 17.0 | 18.1 | 17.4 |
| 4 | 1 | M | 12.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 1 | M | 12.6 | 14.6 | 17.1 | 18.0 | 18.3 | 17.3 | 18.0 | 17.3 | 17.4 | 15.4 | 17.0 | 16.3 | 17.3 | 12.3 | 15.6 | 15.1 | 14.4 | 12.6 | 14.1 | 13.7 |
| 6 | 1 | M | 12.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 1 | M | 16.5 | 17.2 | 17.4 | 17.4 | 17.7 | 17.3 | 17.8 | 17.6 | 18.0 | 16.4 | 18.4 | 16.9 | 17.2 | 17.6 | 19.1 | 18.1 | 18.0 | 17.1 | 17.3 | 17.0 |
| 8 | 1 | M | 16.5 | 17.2 | 17.4 | 17.4 | 17.7 | 17.3 | 17.8 | 17.6 | 18.0 | 16.4 | 18.4 | 16.9 | 17.2 | 17.6 | 19.1 | 18.1 | 18.0 | 17.1 | 17.3 | 17.0 |
| 9 | 1 | M | 16.5 | 17.2 | 17.4 | 17.4 | 17.7 | 17.3 | 17.8 | 17.6 | 18.0 | 16.4 | 18.4 | 16.9 | 17.2 | 17.6 | 19.1 | 18.1 | 18.0 | 17.1 | 17.3 | 17.0 |
| 10 | 1 | M | 15.1 | 15.2 | 14.9 | 15.4 | 16.4 | 15.5 | 16.0 | 15.8 | 16.4 | 15.7 | 17.9 | 16.4 | 16.3 | 15.0 | 16.1 | 17.1 | 17.6 | 18.0 | 18.0 | 17.6 |
| 11 | 1 | M | 15.1 | 15.2 | 14.9 | 15.4 | 16.4 | 15.5 | 16.0 | 15.8 | 16.4 | 15.7 | 17.9 | 16.4 | 16.3 | 15.0 | --- | --- | --- | --- | --- | --- |
| 12 | 1 | M | 15.1 | 15.2 | 14.9 | 15.4 | 16.4 | 15.5 | 16.0 | 15.8 | 16.4 | 15.7 | 17.9 | 16.4 | 16.3 | --- | --- | --- | --- | --- | --- | --- |
| 13 | 1 | M | 15.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 1 | M | 15.3 | 16.4 | 16.9 | 17.5 | 17.6 | 16.7 | 17.9 | 17.0 | 16.7 | 15.9 | 18.2 | 17.0 | 17.6 | 17.5 | 18.0 | 17.3 | 17.4 | 16.9 | 18.0 | 17.7 |
| 15 | 1 | M | 15.3 | 16.4 | 16.9 | 17.5 | 17.6 | 16.7 | 17.9 | 17.0 | 16.7 | 15.9 | 18.2 | 17.0 | 17.6 | 17.5 | 18.0 | 17.3 | 17.4 | 16.9 | 18.0 | 17.7 |
| 16 | 1 | M | 15.5 | 16.1 | 17.1 | 17.9 | 17.9 | 16.8 | 17.7 | 17.7 | 17.7 | 16.8 | 16.6 | 16.6 | 16.2 | 15.0 | 17.7 | 17.6 | 18.7 | 17.3 | 18.0 | 18.3 |
| 17 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 1 | M | 15.5 | 16.1 | 17.1 | 17.9 | 17.9 | 16.8 | 17.7 | 17.7 | 17.7 | 16.8 | 16.6 | 16.6 | 16.2 | --- | --- | --- | --- | --- | --- | --- |
| 19 | 1 | M | 15.4 | 14.5 | 19.5 | 14.8 | 14.8 | 13.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 1 | M | 15.4 | 14.5 | 19.5 | 14.8 | 14.8 | 13.8 | 16.5 | 17.2 | 17.0 | 17.0 | 19.9 | 17.0 | 17.9 | 15.4 | --- | --- | --- | --- | --- | --- |
| 21 | 1 | M | 15.4 | 14.5 | 19.5 | 14.8 | 14.8 | 13.8 | 16.5 | 17.2 | 17.0 | 17.0 | 19.9 | 17.0 | 17.9 | 15.4 | 16.9 | 17.4 | 17.1 | 16.6 | 17.7 | 17.0 |
| 22 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 1 | M | 14.6 | 15.2 | 15.8 | 16.1 | 17.3 | 16.6 | 16.3 | 17.1 | 16.4 | 14.8 | 17.6 | 17.3 | 16.8 | 17.6 | 18.4 | 17.1 | 16.9 | 13.6 | 17.1 | 16.7 |
| 24 | 1 | M | 14.6 | 15.2 | 15.8 | 16.1 | 17.3 | 16.6 | 16.3 | 17.1 | 16.4 | 14.8 | 17.6 | 17.3 | 16.8 | 17.6 | 18.4 | 17.1 | 16.9 | 13.6 | 17.1 | 16.7 |
| 25 | 1 | M | 14.6 | 14.8 | 15.2 | 15.6 | 15.0 | 15.2 | 15.6 | 15.8 | 19.1 | 14.1 | 16.0 | 15.6 | 15.4 | 15.6 | 16.4 | 17.1 | 15.9 | 15.9 | 16.1 | 16.6 |
| 26 | 1 | M | 14.6 | 14.8 | 15.2 | 15.6 | 15.0 | 15.2 | 15.6 | 15.8 | 19.1 | 14.1 | 16.0 | 15.6 | 15.4 | 15.6 | 16.4 | 17.1 | 15.9 | 15.9 | 16.1 | 16.6 |
| 27 | 1 | M | 14.6 | 14.8 | 15.2 | 15.6 | 15.0 | 15.2 | 15.6 | 15.8 | 19.1 | 14.1 | 16.0 | 15.6 | 15.4 | --- | --- | --- | --- | --- | --- | --- |
| 28 | 1 | M | 16.0 | 15.6 | 16.1 | 15.8 | 14.1 | 16.3 | 17.1 | 15.7 | 15.5 | 10.1 | 17.7 | 15.1 | 15.8 | 15.3 | 16.8 | 15.7 | 14.7 | 15.6 | 15.9 | 15.9 |
| 29 | 1 | M | 16.0 | 15.6 | 16.1 | 15.8 | 14.1 | 16.3 | 17.1 | 15.7 | 15.5 | 10.1 | 17.7 | 15.1 | 15.8 | 15.3 | 16.8 | 15.7 | 14.7 | 15.6 | 15.9 | 15.9 |
| 30 | 1 | M | 16.0 | 15.6 | 16.1 | 15.8 | 14.1 | 16.3 | 17.1 | 15.7 | 15.5 | 10.1 | 17.7 | 15.1 | 15.8 | 15.3 | 16.8 | 15.7 | 14.7 | 15.6 | 15.9 | 15.9 |
| 31 | 1 | M | 15.7 | 15.7 | 16.2 | 17.2 | 16.7 | 17.2 | 16.8 | 16.8 | 16.1 | 14.8 | 17.1 | 15.7 | 17.0 | 16.9 | 17.8 | 16.9 | 16.7 | 17.2 | 16.0 | 16.3 |
| 32 | 1 | M | 15.7 | 15.7 | 16.2 | 17.2 | 16.7 | 17.2 | 16.8 | 16.8 | 16.1 | 14.8 | 17.1 | 15.7 | 17.0 | 16.9 | 17.8 | 16.9 | 16.7 | 17.2 | 16.0 | 16.3 |
| 33 | 1 | M | 15.7 | 15.7 | 16.2 | 17.2 | 16.7 | 17.2 | 16.8 | 16.8 | 16.1 | 14.8 | 17.1 | 15.7 | 17.0 | 16.9 | 17.8 | 16.9 | 16.7 | 17.2 | 16.0 | 16.3 |
| 34 | 1 | M | 16.2 | 16.4 | 16.0 | 17.0 | 16.1 | 16.7 | 17.1 | 15.8 | 16.6 | 15.6 | 17.3 | 17.0 | 16.8 | 16.8 | 17.3 | 17.1 | 16.2 | 16.8 | 17.0 | 17.3 |
| 35 | 1 | M | 16.2 | 16.4 | 16.0 | 17.0 | 16.1 | 16.7 | 17.1 | 15.8 | 16.6 | 15.6 | 17.3 | 17.0 | 16.8 | 16.8 | 17.3 | 17.1 | 16.2 | 16.8 | 17.0 | 17.3 |
| 36 | 1 | M | 16.2 | 16.4 | 16.0 | 17.0 | 16.1 | 16.7 | 17.1 | 15.8 | 16.6 | 15.6 | 17.3 | 17.0 | 16.8 | 16.8 | 17.3 | 17.1 | 16.2 | 16.8 | 17.0 | 17.3 |
| 37 | 1 | M | 17.0 | 16.7 | 17.3 | 17.2 | 17.4 | 13.1 | 19.5 | 17.2 | 18.0 | 17.4 | 15.5 | 16.6 | 16.8 | 15.6 | 17.6 | 17.6 | 17.2 | 17.2 | 17.6 | 17.1 |
| 38 | 1 | M | 17.0 | 16.7 | 17.3 | 17.2 | 17.4 | 13.1 | 19.5 | 17.2 | 18.0 | 17.4 | 15.5 | 16.6 | 16.8 | 15.6 | 17.6 | 17.6 | 17.2 | 17.2 | 17.6 | 17.1 |
| 39 | 1 | M | 17.0 | 16.7 | 17.3 | 17.2 | 17.4 | 13.1 | 19.5 | 17.2 | 18.0 | 17.4 | 15.5 | 16.6 | 16.8 | --- | --- | --- | --- | --- | --- | --- |
| 40 | 1 | M | 14.4 | 14.6 | 14.0 | 15.6 | 14.4 | 15.2 | 15.5 | 15.4 | 14.5 | 17.7 | 15.5 | 14.6 | 15.7 | 16.1 | 16.3 | 15.9 | 15.3 | 14.8 | 15.0 | 14.9 |

--- - NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | Test Week 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 14.4 | 14.6 | 14.0 | 15.6 | 14.4 | 15.2 | 15.5 | 15.4 | 14.5 | 17.7 | 15.5 | 14.6 | 15.7 | 16.1 | 16.3 | 15.9 | 15.3 | 14.8 | 15.0 | 14.9 |
| 42 | 1 | M | 14.4 | 14.6 | 14.0 | 15.6 | 14.4 | 15.2 | 15.5 | 15.4 | 14.5 | 17.7 | 15.5 | 14.6 | 15.7 | 16.1 | 16.3 | 15.9 | 15.3 | 14.8 | 15.0 | 14.9 |
| 43 | 1 | M | 16.4 | 16.4 | 15.8 | 16.8 | 17.0 | 17.3 | 17.3 | 17.6 | 16.2 | 14.4 | 15.8 | 15.6 | 17.3 | 17.0 | 18.4 | 17.4 | 16.9 | 16.7 | 17.3 | 17.5 |
| 44 | 1 | M | 16.4 | 16.4 | 15.8 | 16.8 | 17.0 | 17.3 | 17.3 | 17.6 | 16.2 | 14.4 | 15.8 | 15.6 | 17.3 | 17.0 | 18.4 | 17.4 | 16.9 | 16.7 | 17.3 | 17.5 |
| 45 | 1 | M | 16.4 | 16.4 | 15.8 | 16.8 | 17.0 | 17.3 | 17.3 | 17.6 | 16.2 | 14.4 | 15.8 | 15.6 | 17.3 | --- | --- | --- | --- | --- | --- | --- |
| 46 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47 | 1 | M | 14.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48 | 1 | M | 14.5 | 16.0 | 18.1 | 20.1 | 18.3 | 19.6 | 19.9 | 19.7 | 19.4 | 18.1 | 20.7 | 19.9 | 21.1 | 20.1 | 20.7 | 20.6 | 20.3 | 18.0 | 18.0 | 18.7 |
| 49 | 1 | M | 10.9 | 16.7 | 16.8 | 17.4 | 17.0 | 17.3 | 17.8 | 17.5 | 17.0 | 14.9 | 16.7 | 15.7 | 17.3 | 16.4 | 17.4 | 17.9 | 17.6 | 16.5 | 17.8 | 16.4 |
| 50 | 1 | M | 10.9 | 16.7 | 16.8 | 17.4 | 17.0 | 17.3 | 17.8 | 17.5 | 17.0 | 14.9 | 16.7 | 15.7 | 17.3 | 16.4 | --- | --- | --- | --- | --- | --- |
| 51 | 1 | M | 10.9 | 16.7 | 16.8 | 17.4 | 17.0 | 17.3 | 17.8 | 17.5 | 17.0 | 14.9 | 16.7 | 15.7 | 17.3 | 16.4 | 17.4 | 17.9 | 17.6 | 16.5 | 17.8 | 16.4 |
| 52 | 1 | M | 16.0 | 15.3 | 15.9 | 17.2 | 17.0 | 17.3 | 17.9 | 17.2 | 16.4 | 16.9 | 17.1 | 15.8 | 17.8 | 16.4 | 17.2 | 16.6 | 16.6 | 15.5 | 16.0 | 16.0 |
| 53 | 1 | M | 16.0 | 15.3 | 15.9 | 17.2 | 17.0 | 17.3 | 17.9 | 17.2 | 16.4 | 16.9 | 17.1 | 15.8 | 17.8 | 16.4 | 17.2 | 16.6 | 16.6 | 15.5 | 16.0 | 16.0 |
| 54 | 1 | M | 16.0 | 15.3 | 15.9 | 17.2 | 17.0 | 17.3 | 17.9 | 17.2 | 16.4 | 16.9 | 17.1 | 15.8 | 17.8 | 16.4 | 17.2 | 16.6 | 16.6 | 15.5 | 16.0 | 16.0 |
| 55 | 1 | M | 16.2 | 15.4 | 16.4 | 17.0 | 15.8 | 16.0 | 16.2 | 16.5 | 16.1 | 15.9 | 18.3 | 15.3 | 16.8 | 16.8 | 15.9 | 16.2 | 16.2 | 16.4 | 15.6 | 15.7 |
| 56 | 1 | M | 16.2 | 15.4 | 16.4 | 17.0 | 15.8 | 16.0 | 16.2 | 16.5 | 16.1 | 15.9 | 18.3 | 15.3 | 16.8 | 16.8 | 15.9 | 16.2 | 16.2 | 16.4 | 15.6 | 15.7 |
| 57 | 1 | M | 16.2 | 15.4 | 16.4 | 17.0 | 15.8 | 16.0 | 16.2 | 16.5 | 16.1 | 15.9 | 18.3 | 15.3 | 16.8 | 16.8 | 15.9 | 16.2 | 16.2 | 16.4 | 15.6 | 15.7 |
| 58 | 1 | M | 15.7 | 17.6 | 17.9 | 18.4 | 17.3 | 18.4 | 18.9 | 18.1 | 17.9 | 15.8 | 17.7 | 17.4 | 18.3 | 18.3 | 18.4 | 17.4 | 18.6 | 17.4 | 18.3 | 18.3 |
| 59 | 1 | M | 15.7 | 17.6 | 17.9 | 18.4 | 17.3 | 18.4 | 18.9 | 18.1 | 17.9 | 15.8 | 17.7 | 17.4 | 18.3 | 18.3 | 18.4 | 17.4 | 18.6 | 17.4 | 18.3 | 18.3 |
| 60 | 1 | M | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 61 | 1 | M | 16.0 | 16.0 | 15.4 | 17.2 | 16.1 | 16.7 | 17.0 | 16.9 | 16.9 | 12.4 | 16.7 | 14.9 | 16.4 | 16.4 | 16.9 | 16.8 | 16.0 | 15.8 | 15.5 | 15.4 |
| 62 | 1 | M | 16.0 | 16.0 | 15.4 | 17.2 | 16.1 | 16.7 | 17.0 | 16.9 | 16.9 | 12.4 | 16.7 | 14.9 | 16.4 | 16.4 | 16.9 | 16.8 | 16.0 | 15.8 | 15.5 | 15.4 |
| 63 | 1 | M | 16.0 | 16.0 | 15.4 | 17.2 | 16.1 | 16.7 | 17.0 | 16.9 | 16.9 | 12.4 | 16.7 | 14.9 | 16.4 | 16.4 | 16.9 | 16.8 | 16.0 | 15.8 | 15.5 | 15.4 |
| 64 | 1 | M | 16.3 | 17.0 | 17.5 | 17.0 | 17.4 | 17.2 | 18.1 | 17.5 | 13.3 | 17.8 | 15.8 | 16.7 | 19.1 | 17.3 | 16.9 | 17.8 | 16.1 | 16.9 | 15.7 | 16.7 |
| 65 | 1 | M | 16.3 | 17.0 | 17.5 | 17.0 | 17.4 | 17.2 | 18.1 | 17.5 | 13.3 | 17.8 | 15.8 | 16.7 | 19.1 | 17.3 | 16.9 | 17.8 | 16.1 | 16.9 | 15.7 | 16.7 |
| 66 | 1 | M | 16.3 | 17.0 | 17.5 | 17.0 | 17.4 | 17.2 | 18.1 | 17.5 | 13.3 | 17.8 | 15.8 | 16.7 | 19.1 | 17.3 | 16.9 | 17.8 | 16.1 | 16.9 | 15.7 | 16.7 |
| 67 | 1 | M | 15.8 | 17.7 | 17.5 | 18.0 | 17.4 | 18.6 | 17.6 | 17.8 | 18.1 | 17.2 | 18.1 | 18.1 | 18.8 | 17.9 | --- | --- | --- | --- | --- | --- |
| 68 | 1 | M | 15.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 69 | 1 | M | 15.8 | 17.7 | 17.5 | 18.0 | 17.4 | 18.6 | 17.6 | 17.8 | 18.1 | 17.2 | 18.1 | 18.1 | 18.8 | 17.9 | 18.4 | 19.6 | 20.0 | 19.1 | 20.6 | 19.4 |
| 70 | 1 | M | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 71 | 1 | M | 15.7 | 15.5 | 17.4 | 16.2 | 18.1 | 19.1 | 18.7 | 17.9 | 16.0 | 20.9 | 21.7 | 19.1 | 17.6 | 19.1 | 20.9 | 17.2 | 18.3 | 17.6 | 19.4 | 19.0 |
| 72 | 1 | M | 15.7 | 15.5 | 17.4 | 16.2 | 18.1 | 19.1 | 18.7 | 17.9 | 16.0 | 20.9 | 21.7 | 19.1 | 17.6 | 19.1 | 20.9 | 17.2 | 18.3 | 17.6 | 19.4 | 19.0 |
| 73 | 1 | M | 16.3 | 16.7 | 16.0 | 17.3 | 16.9 | 16.9 | 17.7 | 17.2 | 17.6 | 17.6 | 16.6 | 14.8 | 17.6 | 18.0 | 16.7 | 17.5 | 17.2 | 15.6 | 15.6 | 14.8 |
| 74 | 1 | M | 16.3 | 16.7 | 16.0 | 17.3 | 16.9 | 16.9 | 17.7 | 17.2 | 17.6 | 17.6 | 16.6 | 14.8 | 17.6 | 18.0 | 16.7 | 17.5 | 17.2 | 15.6 | 15.6 | 14.8 |
| 75 | 1 | M | 16.3 | 16.7 | 16.0 | 17.3 | 16.9 | 16.9 | 17.7 | 17.2 | 17.6 | 17.6 | 16.6 | 14.8 | 17.6 | 18.0 | 16.7 | 17.5 | 17.2 | 15.6 | 15.6 | 14.8 |
| 76 | 1 | F | 9.9 | 10.3 | 10.3 | 10.7 | 10.7 | 10.0 | 11.2 | 11.5 | 11.2 | 11.1 | 10.1 | 11.0 | 11.4 | 11.9 | 12.2 | 12.1 | 12.6 | 12.4 | 12.1 | 12.3 |
| 77 | 1 | F | 9.9 | 10.3 | 10.3 | 10.7 | 10.7 | 10.0 | 11.2 | 11.5 | 11.2 | 11.1 | 10.1 | 11.0 | 11.4 | 11.9 | 12.2 | 12.1 | 12.6 | 12.4 | 12.1 | 12.3 |
| 78 | 1 | F | 9.9 | 10.3 | 10.3 | 10.7 | 10.7 | 10.0 | 11.2 | 11.5 | 11.2 | 11.1 | 10.1 | 11.0 | 11.4 | 11.9 | --- | --- | --- | --- | --- | --- |
| 79 | 1 | F | 9.9 | 9.6 | 9.9 | 10.3 | 11.0 | 10.7 | 10.7 | 11.2 | 10.7 | 10.5 | 11.0 | 11.4 | 12.3 | 12.6 | 12.6 | 11.1 | 11.8 | 11.9 | 12.6 | 11.9 |
| 80 | 1 | F | 9.9 | 9.6 | 9.9 | 10.3 | 11.0 | 10.7 | 10.7 | 11.2 | 10.7 | 10.5 | 11.0 | 11.4 | 12.3 | 12.6 | 12.6 | 11.1 | 11.8 | 11.9 | 12.6 | 11.9 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 81 | 1 | F | 9.9 | 9.6 | 9.9 | 10.3 | 11.0 | 10.7 | 10.7 | 11.2 | 10.7 | 10.5 | 11.0 | 11.4 | 12.3 | 12.6 | 12.6 | 11.1 | 11.8 | 11.9 | 12.6 | 11.9 |
| 82 | 1 | F | 9.4 | 10.4 | 10.5 | 10.4 | 10.3 | 11.2 | 11.2 | 11.1 | 10.5 | 9.9 | 11.0 | 9.8 | 10.4 | 10.3 | 11.4 | 11.7 | 11.6 | 12.3 | 12.0 | 12.4 |
| 83 | 1 | F | 9.4 | 10.4 | 10.5 | 10.4 | 10.3 | 11.2 | 11.2 | 11.1 | 10.5 | 9.9 | 11.0 | 9.8 | 10.4 | 10.3 | 11.4 | 11.7 | 11.6 | 12.3 | 12.0 | 12.4 |
| 84 | 1 | F | 9.4 | 10.4 | 10.5 | 10.4 | 10.3 | 11.2 | 11.2 | 11.1 | 10.5 | 9.9 | 11.0 | 9.8 | 10.4 | 10.3 | 11.4 | 11.7 | 11.6 | 12.3 | 12.0 | 12.4 |
| 85 | 1 | F | 9.0 | 9.2 | 10.0 | 10.1 | 10.0 | 10.0 | 10.0 | 10.0 | 9.7 | 9.9 | 10.1 | 10.3 | 10.7 | 11.2 | 11.9 | 12.3 | 12.0 | 11.7 | 12.0 | 11.9 |
| 86 | 1 | F | 9.0 | 9.2 | 10.0 | 10.1 | 10.0 | 10.0 | 10.0 | 10.0 | 9.7 | 9.9 | 10.1 | 10.3 | 10.7 | --- | --- | --- | --- | --- | --- | --- |
| 87 | 1 | F | 9.0 | 9.2 | 10.0 | 10.1 | 10.0 | 10.0 | 10.0 | 10.0 | 9.7 | 9.9 | 10.1 | 10.3 | 10.7 | 11.2 | --- | --- | --- | --- | --- | --- |
| 88 | 1 | F | 4.1 | 8.9 | 9.4 | 9.3 | 9.7 | 9.4 | 9.4 | 9.1 | 7.9 | 8.3 | 10.0 | 9.0 | 9.9 | 9.3 | 11.9 | 11.3 | 11.6 | 9.6 | 10.3 | 11.4 |
| 89 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 91 | 1 | F | 10.0 | 9.8 | 9.9 | 10.1 | 10.8 | 10.2 | 10.3 | 10.6 | 10.5 | 9.3 | 10.3 | 10.2 | 11.0 | 11.0 | 10.9 | 10.8 | 10.9 | 10.7 | 11.2 | 11.0 |
| 92 | 1 | F | 10.0 | 9.8 | 9.9 | 10.1 | 10.8 | 10.2 | 10.3 | 10.6 | 10.5 | 9.3 | 10.3 | 10.2 | 11.0 | 11.0 | 10.9 | 10.8 | 10.9 | 10.7 | 11.2 | 11.0 |
| 93 | 1 | F | 10.0 | 9.8 | 9.9 | 10.1 | 10.8 | 10.2 | 10.3 | 10.6 | 10.5 | 9.3 | 10.3 | 10.2 | 11.0 | 11.0 | 10.9 | 10.8 | 10.9 | 10.7 | 11.2 | 11.0 |
| 94 | 1 | F | 10.4 | 10.0 | 10.2 | 10.0 | 10.9 | 10.2 | 11.3 | 11.3 | 10.9 | 9.9 | 11.0 | 10.6 | 11.2 | 11.8 | 14.2 | 12.4 | 11.9 | 12.7 | 12.6 | 11.0 |
| 95 | 1 | F | 10.4 | 10.0 | 10.2 | 10.0 | 10.9 | 10.2 | 11.3 | 11.3 | 10.9 | 9.9 | 11.0 | 10.6 | 11.2 | 11.8 | --- | --- | --- | --- | --- | --- |
| 96 | 1 | F | 10.4 | 10.0 | 10.2 | 10.0 | 10.9 | 10.2 | 11.3 | 11.3 | 10.9 | 9.9 | 11.0 | 10.6 | 11.2 | 11.8 | 14.2 | 12.4 | 11.9 | 12.7 | 12.6 | 11.0 |
| 97 | 1 | F | 10.1 | 10.2 | 10.5 | 11.1 | 11.2 | 11.3 | 11.4 | 11.7 | 11.0 | 10.6 | 12.9 | 11.9 | 11.3 | 11.1 | 12.5 | 12.3 | 13.3 | 12.1 | 12.2 | 13.1 |
| 98 | 1 | F | 10.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 99 | 1 | F | 10.1 | 10.2 | 10.5 | 11.1 | 11.2 | 11.3 | 11.4 | 11.7 | 11.0 | 10.6 | 12.9 | 11.9 | 11.3 | 11.1 | 12.5 | 12.3 | 13.3 | 12.1 | 12.2 | 13.1 |
| 100 | 1 | F | 9.6 | 10.8 | 11.0 | 10.4 | 10.8 | 10.9 | 11.2 | 11.0 | 10.0 | 11.4 | 11.2 | 12.0 | 12.2 | 12.6 | 13.8 | 12.7 | 11.8 | 12.5 | 12.7 | 12.5 |
| 101 | 1 | F | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 102 | 1 | F | 9.6 | 10.8 | 11.0 | 10.4 | 10.8 | 10.9 | 11.2 | 11.0 | 10.0 | 11.4 | 11.2 | 12.0 | 12.2 | 12.6 | 13.8 | 12.7 | 11.8 | 12.5 | 12.7 | 12.5 |
| 103 | 1 | F | 9.8 | 10.3 | 10.6 | 10.7 | 11.2 | 11.1 | 11.5 | 11.3 | 10.6 | 10.2 | 12.2 | 10.3 | 11.4 | 11.2 | 12.5 | 10.9 | 11.4 | 12.1 | 12.2 | 13.1 |
| 104 | 1 | F | 9.8 | 10.3 | 10.6 | 10.7 | 11.2 | 11.1 | 11.5 | 11.3 | 10.6 | 10.2 | 12.2 | 10.3 | 11.4 | 11.2 | 12.5 | 10.9 | 11.4 | 12.1 | 12.2 | 13.1 |
| 105 | 1 | F | 9.8 | 10.3 | 10.6 | 10.7 | 11.2 | 11.1 | 11.5 | 11.3 | 10.6 | 10.2 | 12.2 | 10.3 | 11.4 | --- | --- | --- | --- | --- | --- | --- |
| 106 | 1 | F | 9.0 | 9.4 | 10.0 | 10.8 | 11.0 | 10.3 | 10.3 | 10.6 | 10.9 | 10.6 | 11.0 | 9.6 | 11.3 | 11.7 | 11.6 | 11.2 | 12.0 | 12.0 | 11.5 | 12.0 |
| 107 | 1 | F | 9.0 | 9.4 | 10.0 | 10.8 | 11.0 | 10.3 | 10.3 | 10.6 | 10.9 | 10.6 | 11.0 | 9.6 | 11.3 | 11.7 | 11.6 | 11.2 | 12.0 | 12.0 | 11.5 | 12.0 |
| 108 | 1 | F | 9.0 | 9.4 | 10.0 | 10.8 | 11.0 | 10.3 | 10.3 | 10.6 | 10.9 | 10.6 | 11.0 | 9.6 | 11.3 | 11.7 | 11.6 | 11.2 | 12.0 | 12.0 | 11.5 | 12.0 |
| 109 | 1 | F | 9.9 | 11.2 | 11.0 | 12.1 | 11.1 | 11.5 | 11.6 | 12.0 | 10.9 | 10.9 | 11.1 | 11.8 | 13.2 | 12.9 | 12.6 | 12.1 | 12.6 | 12.5 | 8.9 | 15.5 |
| 110 | 1 | F | 9.9 | 11.2 | 11.0 | 12.1 | 11.1 | 11.5 | 11.6 | 12.0 | 10.9 | 10.9 | 11.1 | 11.8 | 13.2 | 12.9 | 12.6 | 12.1 | 12.6 | 12.5 | 8.9 | 15.5 |
| 111 | 1 | F | 9.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 112 | 1 | F | 9.3 | 10.0 | 9.8 | 10.0 | 10.2 | 9.5 | 9.6 | 9.6 | 9.9 | 9.3 | 9.5 | 10.3 | 10.6 | 10.3 | 10.5 | 11.4 | 10.8 | 12.2 | 11.0 | 10.2 |
| 113 | 1 | F | 9.3 | 10.0 | 9.8 | 10.0 | 10.2 | 9.5 | 9.6 | 9.6 | 9.9 | 9.3 | 9.5 | 10.3 | 10.6 | 10.3 | 10.5 | 11.4 | 10.8 | 12.2 | 11.0 | 10.2 |
| 114 | 1 | F | 9.3 | 10.0 | 9.8 | 10.0 | 10.2 | 9.5 | 9.6 | 9.6 | 9.9 | 9.3 | 9.5 | 10.3 | 10.6 | 10.3 | 10.5 | 11.4 | 10.8 | 12.2 | 11.0 | 10.2 |
| 115 | 1 | F | 9.2 | 9.6 | 9.7 | 10.0 | 10.1 | 10.9 | 10.9 | 10.3 | 10.1 | 9.8 | 11.4 | 10.9 | 10.0 | 10.8 | --- | --- | --- | --- | --- | --- |
| 116 | 1 | F | 9.2 | 9.6 | 9.7 | 10.0 | 10.1 | 10.9 | 10.9 | 10.3 | 10.1 | 9.8 | 11.4 | 10.9 | 10.0 | 10.8 | 11.4 | 11.6 | 11.4 | 11.3 | 10.8 | 10.8 |
| 117 | 1 | F | 9.2 | 9.6 | 9.7 | 10.0 | 10.1 | 10.9 | 10.9 | 10.3 | 10.1 | 9.8 | 11.4 | 10.9 | 10.0 | 10.8 | 11.4 | 11.6 | 11.4 | 11.3 | 10.8 | 10.8 |
| 118 | 1 | F | 10.3 | 10.6 | 11.3 | 11.6 | 11.9 | 11.8 | 11.6 | 12.3 | 11.1 | 11.6 | 12.7 | 11.4 | 12.3 | 12.4 | 13.3 | 13.0 | 12.6 | 13.4 | 14.5 | 13.4 |
| 119 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 120 | 1 | F | 10.3 | 10.6 | 11.3 | 11.6 | 11.9 | 11.8 | 11.6 | 12.3 | 11.1 | 11.6 | 12.7 | 11.4 | 12.3 | 12.4 | 13.3 | 13.0 | 12.6 | 13.4 | 14.5 | 13.4 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 121 | 1 | F | 9.9 | 9.6 | 9.7 | 10.5 | 10.5 | 10.4 | 10.2 | 10.0 | 10.3 | 9.5 | 10.5 | 10.0 | 10.3 | 10.4 | 11.8 | 10.2 | 11.8 | 11.4 | 12.0 | 11.9 |
| 122 | 1 | F | 9.9 | 9.6 | 9.7 | 10.5 | 10.5 | 10.4 | 10.2 | 10.0 | 10.3 | 9.5 | 10.5 | 10.0 | 10.3 | 10.4 | 11.8 | 10.2 | 11.8 | 11.4 | 12.0 | 11.9 |
| 123 | 1 | F | 9.9 | 9.6 | 9.7 | 10.5 | 10.5 | 10.4 | 10.2 | 10.0 | 10.3 | 9.5 | 10.5 | 10.0 | 10.3 | 10.4 | 11.8 | 10.2 | 11.8 | 11.4 | 12.0 | 11.9 |
| 124 | 1 | F | 10.7 | 10.1 | 10.6 | 11.8 | 12.5 | 12.2 | 10.7 | 11.1 | 10.8 | 11.0 | 11.6 | 10.9 | 11.6 | --- | --- | --- | --- | --- | --- | --- |
| 125 | 1 | F | 10.7 | 10.1 | 10.6 | 11.8 | 12.5 | 12.2 | 10.7 | 11.1 | 10.8 | 11.0 | 11.6 | 10.9 | 11.6 | 11.9 | 12.2 | 11.6 | 11.6 | 13.1 | 13.2 | 12.6 |
| 126 | 1 | F | 10.7 | 10.1 | 10.6 | 11.8 | 12.5 | 12.2 | 10.7 | 11.1 | 10.8 | 11.0 | 11.6 | 10.9 | 11.6 | 11.9 | 12.2 | 11.6 | 11.6 | 13.1 | 13.2 | 12.6 |
| 127 | 1 | F | 10.8 | 11.3 | 10.8 | 11.0 | 11.0 | 11.4 | 11.5 | 11.6 | 10.9 | 11.1 | 11.0 | 10.0 | 11.4 | 12.1 | 13.0 | 11.4 | 12.4 | 12.5 | 12.8 | 12.9 |
| 128 | 1 | F | 10.8 | 11.3 | 10.8 | 11.0 | 11.0 | 11.4 | 11.5 | 11.6 | 10.9 | 11.1 | 11.0 | 10.0 | 11.4 | 12.1 | 13.0 | 11.4 | 12.4 | 12.5 | 12.8 | 12.9 |
| 129 | 1 | F | 10.8 | 11.3 | 10.8 | 11.0 | 11.0 | 11.4 | 11.5 | 11.6 | 10.9 | 11.1 | 11.0 | 10.0 | 11.4 | 12.1 | 13.0 | 11.4 | 12.4 | 12.5 | 12.8 | 12.9 |
| 130 | 1 | F | 10.5 | 10.3 | 10.1 | 11.1 | 11.0 | 11.2 | 9.9 | 11.9 | 10.9 | 11.7 | 10.5 | 10.5 | 11.7 | --- | --- | --- | --- | --- | --- | --- |
| 131 | 1 | F | 10.5 | 10.3 | 10.1 | 11.1 | 11.0 | 11.2 | 9.9 | 11.9 | 10.9 | 11.7 | 10.5 | 10.5 | 11.7 | 12.1 | 12.9 | 12.7 | 11.6 | 12.9 | 12.7 | 13.4 |
| 132 | 1 | F | 10.5 | 10.3 | 10.1 | 11.1 | 11.0 | 11.2 | 9.9 | 11.9 | 10.9 | 11.7 | 10.5 | 10.5 | 11.7 | 12.1 | 12.9 | 12.7 | 11.6 | 12.9 | 12.7 | 13.4 |
| 133 | 1 | F | 8.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 134 | 1 | F | 8.9 | 10.4 | 9.4 | 11.0 | 8.7 | 8.4 | 7.6 | 9.4 | 8.9 | 10.2 | 10.5 | --- | 13.1 | 10.9 | 13.5 | 12.7 | 12.6 | 13.0 | 12.2 | 11.6 |
| 135 | 1 | F | 8.9 | 10.4 | 9.4 | 11.0 | 8.7 | 8.4 | 7.6 | 9.4 | 8.9 | 10.2 | 10.5 | --- | 13.1 | 10.9 | 13.5 | 12.7 | 12.6 | 13.0 | 12.2 | 11.6 |
| 136 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 137 | 1 | F | 9.6 | 11.9 | 11.6 | 13.3 | 13.3 | 13.3 | 14.0 | 12.7 | 12.6 | 10.4 | 12.6 | 13.0 | 14.3 | 8.6 | 14.3 | 13.9 | 13.9 | 12.4 | 13.9 | 14.9 |
| 138 | 1 | F | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 139 | 1 | F | 9.5 | 9.5 | 10.0 | 10.3 | 10.2 | 10.3 | 8.6 | 11.0 | 10.5 | 8.0 | 10.1 | 9.5 | 10.3 | 11.4 | 11.8 | 12.8 | 11.4 | 11.6 | 12.0 | 12.9 |
| 140 | 1 | F | 9.5 | 9.5 | 10.0 | 10.3 | 10.2 | 10.3 | 8.6 | 11.0 | 10.5 | 8.0 | 10.1 | 9.5 | 10.3 | 11.4 | 11.8 | 12.8 | 11.4 | 11.6 | 12.0 | 12.9 |
| 141 | 1 | F | 9.5 | 9.5 | 10.0 | 10.3 | 10.2 | 10.3 | 8.6 | 11.0 | 10.5 | 8.0 | 10.1 | 9.5 | 10.3 | --- | --- | --- | --- | --- | --- | --- |
| 142 | 1 | F | 9.4 | 11.3 | 11.5 | 11.1 | 10.5 | 12.6 | 12.2 | 11.9 | 10.7 | 10.8 | 11.9 | 10.8 | 12.0 | 13.4 | 13.9 | 11.2 | 13.6 | 13.4 | 13.6 | 13.8 |
| 143 | 1 | F | 9.4 | 11.3 | 11.5 | 11.1 | 10.5 | 12.6 | 12.2 | 11.9 | 10.7 | 10.8 | 11.9 | 10.8 | 12.0 | --- | --- | --- | --- | --- | --- | --- |
| 144 | 1 | F | 9.4 | 11.3 | 11.5 | 11.1 | 10.5 | 12.6 | 12.2 | 11.9 | 10.7 | 10.8 | 11.9 | 10.8 | 12.0 | 13.4 | 13.9 | 11.2 | 13.6 | 13.4 | 13.6 | 13.8 |
| 145 | 1 | F | 9.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 146 | 1 | F | 9.2 | 8.4 | 10.0 | 11.7 | 11.1 | 11.1 | 10.5 | 10.6 | 10.0 | 8.9 | 9.2 | 10.0 | 11.4 | 11.3 | 11.2 | 10.9 | 10.8 | 10.4 | 11.4 | 11.6 |
| 147 | 1 | F | 9.2 | 8.4 | 10.0 | 11.7 | 11.1 | 11.1 | 10.5 | 10.6 | 10.0 | 8.9 | 9.2 | 10.0 | 11.4 | 11.3 | 11.2 | 10.9 | 10.8 | 10.4 | 11.4 | 11.6 |
| 148 | 1 | F | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 149 | 1 | F | 10.0 | 9.7 | 10.1 | 11.5 | 11.0 | 12.0 | 11.2 | 11.1 | 11.4 | 8.1 | 11.5 | 9.9 | 12.0 | 12.1 | 12.8 | 12.2 | 11.9 | 11.5 | 13.1 | 13.5 |
| 150 | 1 | F | 10.0 | 9.7 | 10.1 | 11.5 | 11.0 | 12.0 | 11.2 | 11.1 | 11.4 | 8.1 | 11.5 | 9.9 | 12.0 | 12.1 | 12.8 | 12.2 | 11.9 | 11.5 | 13.1 | 13.5 |
| 151 | 2 | M | 15.1 | 15.2 | 15.2 | 15.1 | 14.7 | 15.1 | 16.2 | 15.6 | 15.9 | 15.4 | 11.2 | 14.7 | 15.2 | 16.0 | 16.6 | 17.1 | 15.9 | 15.1 | 16.3 | 15.5 |
| 152 | 2 | M | 15.1 | 15.2 | 15.2 | 15.1 | 14.7 | 15.1 | 16.2 | 15.6 | 15.9 | 15.4 | 11.2 | 14.7 | 15.2 | --- | --- | --- | --- | --- | --- | --- |
| 153 | 2 | M | 15.1 | 15.2 | 15.2 | 15.1 | 14.7 | 15.1 | 16.2 | 15.6 | 15.9 | 15.4 | 11.2 | 14.7 | 15.2 | 16.0 | 16.6 | 17.1 | 15.9 | 15.1 | 16.3 | 15.5 |
| 154 | 2 | M | 16.4 | 15.0 | 16.2 | 16.5 | 16.6 | 16.2 | 16.4 | 16.5 | 16.4 | 16.1 | 14.9 | 17.0 | 16.4 | 16.6 | 16.6 | 17.1 | 16.7 | 16.5 | 16.9 | 16.2 |
| 155 | 2 | M | 16.4 | 15.0 | 16.2 | 16.5 | 16.6 | 16.2 | 16.4 | 16.5 | 16.4 | 16.1 | 14.9 | 17.0 | 16.4 | 16.6 | 16.6 | 17.1 | 16.7 | 16.5 | 16.9 | 16.2 |
| 156 | 2 | M | 16.4 | 15.0 | 16.2 | 16.5 | 16.6 | 16.2 | 16.4 | 16.5 | 16.4 | 16.1 | 14.9 | 17.0 | 16.4 | 16.6 | 16.6 | 17.1 | 16.7 | 16.5 | 16.9 | 16.2 |
| 157 | 2 | M | 15.4 | 20.7 | 16.0 | 16.1 | 17.4 | 16.3 | 17.2 | 16.9 | 16.9 | 17.1 | 13.2 | 16.6 | 16.9 | 16.9 | 17.3 | 17.3 | 17.6 | 16.9 | 15.8 | 16.1 |
| 158 | 2 | M | 15.4 | 20.7 | 16.0 | 16.1 | 17.4 | 16.3 | 17.2 | 16.9 | 16.9 | 17.1 | 13.2 | 16.6 | 16.9 | 16.9 | 17.3 | 17.3 | 17.6 | 16.9 | 15.8 | 16.1 |
| 159 | 2 | M | 15.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 160 | 2 | M | 16.7 | 16.3 | 15.5 | 17.0 | 16.5 | 16.5 | 15.9 | 16.3 | 17.2 | 12.3 | 17.8 | 16.0 | 17.0 | 17.0 | 17.1 | 17.7 | 16.7 | 16.4 | 16.2 | 16.0 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 161 | 2 | M | 16.7 | 16.3 | 15.5 | 17.0 | 16.5 | 16.5 | 15.9 | 16.3 | 17.2 | 12.3 | 17.8 | 16.0 | 17.0 | 17.0 | 17.1 | 17.7 | 16.7 | 16.4 | 16.2 | 16.0 |
| 162 | 2 | M | 16.7 | 16.3 | 15.5 | 17.0 | 16.5 | 16.5 | 15.9 | 16.3 | 17.2 | 12.3 | 17.8 | 16.0 | 17.0 | 17.0 | 17.1 | 17.7 | 16.7 | 16.4 | 16.2 | 16.0 |
| 163 | 2 | M | 15.7 | 16.7 | 17.4 | 17.8 | 17.1 | 17.1 | 16.7 | 17.8 | 17.4 | 16.9 | 18.1 | 17.3 | 17.4 | 18.1 | 18.5 | 18.5 | 18.2 | 17.1 | 18.0 | 17.4 |
| 164 | 2 | M | 15.7 | 16.7 | 17.4 | 17.8 | 17.1 | 17.1 | 16.7 | 17.8 | 17.4 | 16.9 | 18.1 | 17.3 | 17.4 | 18.1 | 18.5 | 18.5 | 18.2 | 17.1 | 18.0 | 17.4 |
| 165 | 2 | M | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 166 | 2 | M | 16.1 | 17.0 | 17.6 | 17.9 | 18.2 | 17.4 | 17.4 | 15.2 | 17.5 | 17.3 | 18.1 | 16.5 | 18.1 | 18.1 | 17.9 | 18.8 | 17.1 | 17.7 | 17.5 | 17.1 |
| 167 | 2 | M | 16.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 168 | 2 | M | 16.1 | 17.0 | 17.6 | 17.9 | 18.2 | 17.4 | 17.4 | 15.2 | 17.5 | 17.3 | 18.1 | 16.5 | 18.1 | 18.1 | 17.9 | 18.8 | 17.1 | 17.7 | 17.5 | 17.1 |
| 169 | 2 | M | 15.3 | 14.6 | 15.7 | 15.6 | 15.9 | 16.1 | 16.3 | 15.7 | 14.1 | 15.0 | 15.5 | 14.8 | 16.2 | 17.3 | 17.4 | 17.4 | 16.2 | 16.2 | 16.6 | 15.6 |
| 170 | 2 | M | 15.3 | 14.6 | 15.7 | 15.6 | 15.9 | 16.1 | 16.3 | 15.7 | 14.1 | 15.0 | 15.5 | 14.8 | 16.2 | 17.3 | 17.4 | 17.4 | 16.2 | 16.2 | 16.6 | 15.6 |
| 171 | 2 | M | 15.3 | 14.6 | 15.7 | 15.6 | 15.9 | 16.1 | 16.3 | 15.7 | 14.1 | 15.0 | 15.5 | 14.8 | 16.2 | 17.3 | 17.4 | 17.4 | 16.2 | 16.2 | 16.6 | 15.6 |
| 172 | 2 | M | 15.9 | 16.0 | 15.7 | 15.5 | 16.1 | 15.8 | 16.8 | 16.6 | 16.5 | 13.6 | 17.3 | 15.8 | 16.8 | --- | --- | --- | --- | --- | --- | --- |
| 173 | 2 | M | 15.9 | 16.0 | 15.7 | 15.5 | 16.1 | 15.8 | 16.8 | 16.6 | 16.5 | 13.6 | 17.3 | 15.8 | 16.8 | 16.9 | 17.9 | 18.3 | 16.6 | 16.9 | 17.4 | 17.1 |
| 174 | 2 | M | 15.9 | 16.0 | 15.7 | 15.5 | 16.1 | 15.8 | 16.8 | 16.6 | 16.5 | 13.6 | 17.3 | 15.8 | 16.8 | 16.9 | 17.9 | 18.3 | 16.6 | 16.9 | 17.4 | 17.1 |
| 175 | 2 | M | 16.0 | 15.5 | 16.9 | 17.1 | 16.4 | 17.4 | 17.4 | 16.6 | 16.3 | 16.1 | 16.0 | 15.9 | 16.9 | 17.9 | 16.9 | 11.6 | 15.6 | 16.2 | 16.9 | 15.7 |
| 176 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 177 | 2 | M | 16.0 | 15.5 | 16.9 | 17.1 | 16.4 | 17.4 | 17.4 | 16.6 | 16.3 | 16.1 | 16.0 | 15.9 | 16.9 | 17.9 | 16.9 | 11.6 | 15.6 | 16.2 | 16.9 | 15.7 |
| 178 | 2 | M | 15.3 | 15.2 | 15.5 | 15.8 | 16.3 | 16.8 | 16.6 | 16.0 | 15.5 | 14.6 | 15.5 | 15.1 | 15.2 | 16.9 | 17.4 | 17.8 | 16.4 | 16.6 | 17.2 | 16.6 |
| 179 | 2 | M | 15.3 | 15.2 | 15.5 | 15.8 | 16.3 | 16.8 | 16.6 | 16.0 | 15.5 | 14.6 | 15.5 | 15.1 | 15.2 | 16.9 | 17.4 | 17.8 | 16.4 | 16.6 | 17.2 | 16.6 |
| 180 | 2 | M | 15.3 | 15.2 | 15.6 | 15.8 | 16.3 | 16.8 | 16.6 | 16.0 | 15.5 | 14.6 | 15.5 | 15.1 | 15.2 | 16.9 | --- | --- | --- | --- | --- | --- |
| 181 | 2 | M | 16.5 | 14.7 | 15.7 | 15.1 | 15.7 | 16.6 | 16.4 | 16.2 | 15.7 | 13.0 | 17.1 | 14.7 | 15.6 | 15.9 | 16.5 | 15.7 | 15.0 | 16.0 | 15.1 | 15.6 |
| 182 | 2 | M | 16.5 | 14.7 | 15.7 | 15.1 | 15.7 | 16.6 | 16.4 | 16.2 | 15.7 | 13.0 | 17.1 | 14.7 | 15.6 | 15.9 | 16.5 | 15.7 | 15.0 | 16.0 | 15.1 | 15.6 |
| 183 | 2 | M | 16.5 | 14.7 | 15.7 | 15.1 | 15.7 | 16.6 | 16.4 | 16.2 | 15.7 | 13.0 | 17.1 | 14.7 | 15.6 | 15.9 | 16.5 | 15.7 | 15.0 | 16.0 | 15.1 | 15.6 |
| 184 | 2 | M | 16.8 | 16.6 | 17.9 | 17.3 | 17.2 | 16.7 | 17.4 | 16.8 | 17.0 | 15.6 | 16.8 | 14.8 | --- | --- | --- | --- | --- | --- | --- | --- |
| 185 | 2 | M | 16.8 | 16.6 | 17.9 | 17.3 | 17.2 | 16.7 | 17.4 | 16.8 | 17.0 | 15.6 | 16.8 | 14.8 | 19.4 | 20.1 | 19.7 | 20.2 | 19.0 | 19.7 | 18.0 | 18.6 |
| 186 | 2 | M | 16.8 | 16.6 | 17.9 | 17.3 | 17.2 | 16.7 | 17.4 | 16.8 | 17.0 | 15.6 | 16.8 | 14.8 | 19.4 | 20.1 | 19.7 | 20.2 | 19.0 | 19.7 | 18.0 | 18.6 |
| 187 | 2 | M | 16.2 | 15.9 | 16.0 | 16.4 | 17.1 | 16.7 | 16.4 | 16.8 | 16.4 | 16.4 | 16.5 | 15.8 | 16.1 | --- | --- | --- | --- | --- | --- | --- |
| 188 | 2 | M | 16.2 | 15.9 | 16.0 | 16.4 | 17.1 | 16.7 | 16.4 | 16.8 | 16.4 | 16.4 | 16.5 | 15.8 | 16.1 | 17.6 | 18.4 | 17.7 | 17.9 | 16.5 | 17.7 | 17.5 |
| 189 | 2 | M | 16.2 | 15.9 | 16.0 | 16.4 | 17.1 | 16.7 | 16.4 | 16.8 | 16.4 | 16.4 | 16.5 | 15.8 | 16.1 | 17.6 | 18.4 | 17.7 | 17.9 | 16.5 | 17.7 | 17.5 |
| 190 | 2 | M | 16.1 | 15.9 | 17.5 | 17.3 | 17.1 | 17.3 | 18.3 | 18.7 | 17.1 | 14.9 | 16.6 | 16.0 | 17.2 | 15.1 | 18.4 | 18.0 | 16.7 | 17.9 | 17.4 | 17.1 |
| 191 | 2 | M | 16.1 | 15.9 | 17.5 | 17.3 | 17.1 | 17.3 | 18.3 | 18.7 | 17.1 | 14.9 | 16.6 | 16.0 | 17.2 | --- | --- | --- | --- | --- | --- | --- |
| 192 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 193 | 2 | M | 17.3 | 19.6 | 16.9 | 17.6 | 17.2 | 17.1 | 16.4 | 17.7 | 17.3 | 13.3 | 16.6 | 16.0 | 17.0 | 17.9 | 18.2 | 18.3 | 17.4 | 17.4 | 17.0 | 15.9 |
| 194 | 2 | M | 17.3 | 19.6 | 16.9 | 17.6 | 17.2 | 17.1 | 16.4 | 17.7 | 17.3 | 13.3 | 16.6 | 16.0 | 17.0 | --- | --- | --- | --- | --- | --- | --- |
| 195 | 2 | M | 17.3 | 19.6 | 16.9 | 17.6 | 17.2 | 17.1 | 16.4 | 17.7 | 17.3 | 13.3 | 16.6 | 16.0 | 17.0 | 17.9 | 18.2 | 18.3 | 17.4 | 17.4 | 17.0 | 15.9 |
| 196 | 2 | M | 14.8 | 14.9 | 16.7 | 16.3 | 16.4 | 16.4 | 17.0 | 17.0 | 16.0 | 14.8 | 15.3 | 14.0 | 18.5 | 16.0 | 16.6 | 15.4 | 15.8 | 15.3 | 16.1 | 15.2 |
| 197 | 2 | M | 14.8 | 14.9 | 16.7 | 16.3 | 16.4 | 16.4 | 17.0 | 17.0 | 16.0 | 14.8 | 15.3 | 14.0 | 18.5 | 16.0 | 16.6 | 15.4 | 15.8 | 15.3 | 16.1 | 15.2 |
| 198 | 2 | M | 14.8 | 14.9 | 16.7 | 16.3 | 16.4 | 16.4 | 17.0 | 17.0 | 16.0 | 14.8 | 15.3 | 14.0 | 18.5 | 16.0 | 16.6 | 15.4 | 15.8 | 15.3 | 16.1 | 15.2 |
| 199 | 2 | M | 16.5 | 17.6 | 18.0 | 18.5 | 18.1 | 18.4 | 18.8 | 17.9 | 17.4 | 15.5 | 18.1 | 17.1 | 19.1 | 18.4 | 19.5 | 12.1 | 18.1 | 17.4 | 18.8 | 17.3 |
| 200 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 16.5 | 17.6 | 18.0 | 18.5 | 18.1 | 18.4 | 18.8 | 17.9 | 17.4 | 15.5 | 18.1 | 17.1 | 19.1 | 18.4 | 19.5 | 12.1 | 18.1 | 17.4 | 18.8 | 17.3 |
| 202 | 2 | M | 16.2 | 16.1 | 17.3 | 17.8 | 16.8 | 17.1 | 17.0 | 17.5 | 16.9 | 14.3 | 17.3 | 16.1 | 18.5 | 17.4 | 17.7 | 19.1 | 18.4 | 18.3 | 17.4 | 19.7 |
| 203 | 2 | M | 16.2 | 16.1 | 17.3 | 17.8 | 16.8 | 17.1 | 17.0 | 17.5 | 16.9 | 14.3 | 17.3 | 16.1 | 18.5 | 17.4 | --- | --- | --- | --- | --- | --- |
| 204 | 2 | M | 16.2 | 16.1 | 17.3 | 17.8 | 16.8 | 17.1 | 17.0 | 17.5 | 16.9 | 14.3 | 17.3 | 16.1 | 18.5 | --- | --- | --- | --- | --- | --- | --- |
| 205 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 206 | 2 | M | 18.1 | 17.9 | 19.2 | 18.9 | 18.8 | 18.9 | 19.1 | 19.1 | 18.1 | 17.7 | 18.3 | 17.9 | 18.4 | 18.6 | 21.3 | 19.6 | 17.5 | 17.4 | 18.3 | 17.7 |
| 207 | 2 | M | 18.1 | 17.9 | 19.2 | 18.9 | 18.8 | 18.9 | 19.1 | 19.1 | 18.1 | 17.7 | 18.3 | 17.9 | 18.4 | 18.6 | 21.3 | 19.6 | 17.5 | 17.4 | 18.3 | 17.7 |
| 208 | 2 | M | 15.9 | 17.1 | 17.6 | 18.6 | 18.9 | 18.3 | 18.6 | 20.0 | 18.3 | 14.8 | 17.6 | 16.7 | 18.2 | 18.6 | 19.4 | 21.4 | 20.7 | 20.1 | 20.3 | 19.9 |
| 209 | 2 | M | 15.9 | 17.1 | 17.6 | 18.6 | 18.9 | 18.3 | 18.6 | 20.0 | 18.3 | 14.8 | 17.6 | 16.7 | 18.2 | --- | --- | --- | --- | --- | --- | --- |
| 210 | 2 | M | 15.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 211 | 2 | M | 15.0 | 14.7 | 15.0 | 17.8 | 14.7 | 15.2 | 15.3 | 15.5 | 15.8 | 10.1 | 16.9 | 15.5 | 16.6 | 17.0 | 17.3 | 17.1 | 16.0 | 16.2 | 15.7 | 15.6 |
| 212 | 2 | M | 15.0 | 14.7 | 15.0 | 17.8 | 14.7 | 15.2 | 15.3 | 15.5 | 15.8 | 10.1 | 16.9 | 15.5 | 16.6 | 17.0 | 17.3 | 17.1 | 16.0 | 16.2 | 15.7 | 15.6 |
| 213 | 2 | M | 15.0 | 14.7 | 15.0 | 17.8 | 14.7 | 15.2 | 15.3 | 15.5 | 15.8 | 10.1 | 16.9 | 15.5 | 16.6 | 17.0 | 17.3 | 17.1 | 16.0 | 16.2 | 15.7 | 15.6 |
| 214 | 2 | M | 16.3 | 15.8 | 15.5 | 17.7 | 16.2 | 16.8 | 17.2 | 17.2 | 17.2 | 13.1 | 16.2 | 15.9 | 16.8 | 17.1 | --- | --- | --- | --- | --- | --- |
| 215 | 2 | M | 16.3 | 15.8 | 15.5 | 17.7 | 16.2 | 16.8 | 17.2 | 17.2 | 17.2 | 13.1 | 16.2 | 15.9 | 16.8 | 17.1 | 17.9 | 18.3 | 16.8 | 17.1 | 16.9 | 16.6 |
| 216 | 2 | M | 16.3 | 15.8 | 15.5 | 17.7 | 16.2 | 16.8 | 17.2 | 17.2 | 17.2 | 13.1 | 16.2 | 15.9 | 16.8 | 17.1 | 17.9 | 18.3 | 16.8 | 17.1 | 16.9 | 16.6 |
| 217 | 2 | M | 16.7 | 17.4 | 16.1 | 20.1 | 18.2 | 19.1 | 19.3 | 19.5 | 18.8 | 11.2 | 17.6 | 17.4 | 20.2 | 18.9 | 19.8 | 18.7 | 17.7 | 17.6 | 17.4 | 17.4 |
| 218 | 2 | M | 16.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 219 | 2 | M | 16.7 | 17.4 | 16.1 | 20.1 | 18.2 | 19.1 | 19.3 | 19.5 | 18.8 | 11.2 | 17.6 | 17.4 | 20.2 | 18.9 | 19.8 | 18.7 | 17.7 | 17.6 | 17.4 | 17.4 |
| 220 | 2 | M | 15.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 221 | 2 | M | 15.9 | 16.9 | 17.3 | 18.1 | 18.5 | 18.1 | 18.6 | 19.4 | 15.8 | 21.0 | 16.1 | 17.8 | 19.9 | 19.6 | 19.1 | 18.1 | 18.1 | 17.1 | 17.6 | 16.9 |
| 222 | 2 | M | 15.9 | 16.9 | 17.3 | 18.1 | 18.5 | 18.1 | 18.6 | 19.4 | 15.8 | 21.0 | 16.1 | 17.8 | 19.9 | 19.6 | 19.1 | 18.1 | 18.1 | 17.1 | 17.6 | 16.9 |
| 223 | 2 | M | 15.3 | 16.2 | 16.8 | 16.3 | 16.9 | 16.8 | 17.2 | 17.2 | 16.9 | 14.1 | 17.7 | 16.1 | 17.3 | 17.2 | 17.7 | 17.0 | 16.9 | 16.0 | 15.1 | 15.9 |
| 224 | 2 | M | 15.3 | 16.2 | 16.8 | 16.3 | 16.9 | 16.8 | 17.2 | 17.2 | 16.9 | 14.1 | 17.7 | 16.1 | 17.3 | 17.2 | 17.7 | 17.0 | 16.9 | 16.0 | 15.1 | 15.9 |
| 225 | 2 | M | 15.3 | 16.2 | 16.8 | 16.3 | 16.9 | 16.8 | 17.2 | 17.2 | 16.9 | 14.1 | 17.7 | 16.1 | 17.3 | 17.2 | 17.7 | 17.0 | 16.9 | 16.0 | 15.1 | 15.9 |
| 226 | 2 | F | 10.4 | 10.1 | 10.3 | 10.3 | 14.3 | 10.8 | 10.4 | 10.5 | 11.5 | 11.0 | 10.9 | 11.3 | 11.8 | 12.5 | 12.7 | 12.6 | 10.9 | 11.3 | 12.2 | 11.5 |
| 227 | 2 | F | 10.4 | 10.1 | 10.3 | 10.3 | 14.3 | 10.8 | 10.4 | 10.5 | 11.5 | 11.0 | 10.9 | 11.3 | 11.8 | 12.5 | 12.7 | 12.6 | 10.9 | 11.3 | 12.2 | 11.5 |
| 228 | 2 | F | 10.4 | 10.1 | 10.3 | 10.3 | 14.3 | 10.8 | 10.4 | 10.5 | 11.5 | 11.0 | 10.9 | 11.3 | 11.8 | 12.5 | 12.7 | 12.6 | 10.9 | 11.3 | 12.2 | 11.5 |
| 229 | 2 | F | 9.3 | 10.0 | 10.0 | 10.0 | 13.6 | 10.5 | 10.7 | 10.9 | 10.7 | 10.6 | 10.6 | 11.8 | 11.8 | 12.5 | 13.2 | 13.4 | 11.2 | 12.3 | 12.1 | 11.9 |
| 230 | 2 | F | 9.3 | 10.0 | 10.0 | 10.0 | 13.6 | 10.5 | 10.7 | 10.9 | 10.7 | 10.6 | 10.6 | 11.8 | 11.8 | 12.5 | 13.2 | 13.4 | 11.2 | 12.3 | 12.1 | 11.9 |
| 231 | 2 | F | 9.3 | 10.0 | 10.0 | 10.0 | 13.6 | 10.5 | 10.7 | 10.9 | 10.7 | 10.6 | 10.6 | 11.8 | 11.8 | 12.5 | 13.2 | 13.4 | 11.2 | 12.3 | 12.1 | 11.9 |
| 232 | 2 | F | 9.6 | 9.8 | 10.6 | 10.6 | 13.9 | 10.4 | 10.8 | 11.2 | 11.0 | 11.1 | 10.0 | 10.5 | 10.8 | 11.7 | 12.5 | 12.7 | 12.4 | 12.4 | 12.4 | 12.1 |
| 233 | 2 | F | 9.6 | 9.8 | 10.6 | 10.6 | 13.9 | 10.4 | 10.8 | 11.2 | 11.0 | 11.1 | 10.0 | 10.5 | 10.8 | 11.7 | 12.5 | 12.7 | 12.4 | 12.4 | 12.4 | 12.1 |
| 234 | 2 | F | 9.6 | 9.8 | 10.6 | 10.6 | 13.9 | 10.4 | 10.8 | 11.2 | 11.0 | 11.1 | 10.0 | 10.5 | 10.8 | 11.7 | 12.5 | 12.7 | 12.4 | 12.4 | 12.4 | 12.1 |
| 235 | 2 | F | 9.4 | 9.9 | 10.6 | 10.1 | 11.1 | 9.7 | 11.4 | 11.3 | 11.0 | 11.3 | 10.9 | 11.0 | 11.8 | 11.8 | 12.6 | 12.6 | 11.7 | 11.1 | 12.8 | 12.2 |
| 236 | 2 | F | 9.4 | 9.9 | 10.6 | 10.1 | 11.1 | 9.7 | 11.4 | 11.3 | 11.0 | 11.3 | 10.9 | 11.0 | 11.8 | 11.8 | 12.6 | 12.6 | 11.7 | 11.1 | 12.8 | 12.2 |
| 237 | 2 | F | 9.4 | 9.9 | 10.6 | 10.1 | 11.1 | 9.7 | 11.4 | 11.3 | 11.0 | 11.3 | 10.9 | 11.0 | 11.8 | 11.8 | 12.6 | 12.6 | 11.7 | 11.1 | 12.8 | 12.2 |
| 238 | 2 | F | 10.0 | 10.1 | 10.9 | 11.3 | 11.4 | 11.8 | 11.8 | 11.6 | 11.6 | 11.6 | 12.5 | 12.8 | 12.9 | 12.4 | 13.3 | 13.0 | 12.6 | 12.2 | 14.3 | 14.1 |
| 239 | 2 | F | 10.0 | 10.1 | 10.9 | 11.3 | 11.4 | 11.8 | 11.8 | 11.6 | 11.6 | 11.6 | 12.5 | 12.8 | 12.9 | --- | --- | --- | --- | --- | --- | --- |
| 240 | 2 | F | 10.0 | 10.1 | 10.9 | 11.3 | 11.4 | 11.8 | 11.8 | 11.6 | 11.6 | 11.6 | 12.5 | 12.8 | 12.9 | 12.4 | 13.3 | 13.0 | 12.6 | 12.2 | 14.3 | 14.1 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 241 | 2 | F | 10.6 | 10.7 | --- | 12.1 | 12.6 | 12.4 | 11.9 | 11.9 | 12.8 | 12.4 | 13.9 | 11.4 | 12.9 | 13.8 | 13.1 | 14.1 | 12.1 | 13.8 | 13.5 | 11.5 |
| 242 | 2 | F | 10.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 243 | 2 | F | 10.6 | 10.7 | --- | 12.1 | 12.6 | 12.4 | 11.9 | 11.9 | 12.8 | 12.4 | 13.9 | 11.4 | 12.9 | 13.8 | 13.1 | 14.1 | 12.1 | 13.8 | 13.5 | 11.5 |
| 244 | 2 | F | 9.4 | 10.0 | 10.6 | 10.8 | 10.6 | 11.0 | 10.9 | 11.4 | 9.9 | 11.1 | 11.5 | 10.1 | 11.1 | --- | --- | --- | --- | --- | --- | --- |
| 245 | 2 | F | 9.4 | 10.0 | 10.6 | 10.8 | 10.6 | 11.0 | 10.9 | 11.4 | 9.9 | 11.1 | 11.5 | 10.1 | 11.1 | 11.5 | 10.6 | --- | 12.1 | 12.3 | 13.0 | 13.4 |
| 246 | 2 | F | 9.4 | 10.0 | 10.6 | 10.8 | 10.6 | 11.0 | 10.9 | 11.4 | 9.9 | 11.1 | 11.5 | 10.1 | 11.1 | 11.5 | --- | --- | --- | --- | --- | --- |
| 247 | 2 | F | 10.9 | 10.2 | 10.4 | 10.6 | 10.9 | 11.0 | 10.8 | 11.5 | 11.0 | 11.2 | 10.7 | 10.7 | 12.1 | 12.4 | 11.8 | 12.1 | 11.5 | 11.9 | 12.7 | 12.4 |
| 248 | 2 | F | 10.9 | 10.2 | 10.4 | 10.6 | 10.9 | 11.0 | 10.8 | 11.5 | 11.0 | 11.2 | 10.7 | 10.7 | 12.1 | 12.4 | 11.8 | 12.1 | 11.5 | 11.9 | 12.7 | 12.4 |
| 249 | 2 | F | 10.9 | 10.2 | 10.4 | 10.6 | 10.9 | 11.0 | 10.8 | 11.5 | 11.0 | 11.2 | 10.7 | 10.7 | 12.1 | 12.4 | 11.8 | 12.1 | 11.5 | 11.9 | 12.7 | 12.4 |
| 250 | 2 | F | 11.7 | 11.3 | 11.2 | 11.5 | 10.7 | 11.2 | 11.2 | 12.0 | 11.4 | 11.1 | 12.5 | 10.9 | 12.2 | 12.9 | 12.4 | 12.4 | 11.5 | 12.0 | 13.2 | 13.1 |
| 251 | 2 | F | 11.7 | 11.3 | 11.2 | 11.5 | 10.7 | 11.2 | 11.2 | 12.0 | 11.4 | 11.1 | 12.5 | 10.9 | 12.2 | 12.9 | 12.4 | 12.4 | 11.5 | 12.0 | 13.2 | 13.1 |
| 252 | 2 | F | 11.7 | 11.3 | 11.2 | 11.5 | 10.7 | 11.2 | 11.2 | 12.0 | 11.4 | 11.1 | 12.5 | 10.9 | 12.2 | 12.9 | 12.4 | 12.4 | 11.5 | 12.0 | 13.2 | 13.1 |
| 253 | 2 | F | 11.4 | 11.9 | 12.0 | 12.4 | 11.4 | 12.1 | 12.8 | 12.9 | 11.7 | 10.9 | 14.2 | 11.5 | 12.9 | 13.5 | 14.1 | 12.4 | 12.4 | 13.5 | 14.0 | 14.4 |
| 254 | 2 | F | 11.4 | 11.9 | 12.0 | 12.4 | 11.4 | 12.1 | 12.8 | 12.9 | 11.7 | 10.9 | 14.2 | 11.5 | 12.9 | 13.5 | 14.1 | 12.4 | 12.4 | 13.5 | 14.0 | 14.4 |
| 255 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 256 | 2 | F | 10.3 | 12.8 | 11.8 | 12.2 | 11.6 | 11.4 | 12.3 | 12.3 | 11.8 | 10.7 | 11.8 | 12.1 | 11.0 | 12.7 | 13.0 | 13.2 | 12.4 | 12.9 | 13.1 | 12.8 |
| 257 | 2 | F | 10.3 | 12.8 | 11.8 | 12.2 | 11.6 | 11.4 | 12.3 | 12.3 | 11.8 | 10.7 | 11.8 | 12.1 | 11.0 | --- | --- | --- | --- | --- | --- | --- |
| 258 | 2 | F | 10.3 | 12.8 | 11.8 | 12.2 | 11.6 | 11.4 | 12.3 | 12.3 | 11.8 | 10.7 | 11.8 | 12.1 | 11.0 | 12.7 | 13.0 | 13.2 | 12.4 | 12.9 | 13.1 | 12.8 |
| 259 | 2 | F | 10.5 | 10.6 | 10.4 | 11.1 | 15.5 | 11.6 | 11.7 | 12.1 | 11.2 | 11.4 | 10.1 | 11.0 | 10.8 | 11.6 | 12.2 | 11.6 | 12.3 | 11.7 | 11.8 | 13.0 |
| 260 | 2 | F | 10.5 | 10.6 | 10.4 | 11.1 | 15.5 | 11.6 | 11.7 | 12.1 | 11.2 | 11.4 | 10.1 | 11.0 | 10.8 | 11.6 | 12.2 | 11.6 | 12.3 | 11.7 | 11.8 | 13.0 |
| 261 | 2 | F | 10.5 | 10.6 | 10.4 | 11.1 | 15.5 | 11.6 | 11.7 | 12.1 | 11.2 | 11.4 | 10.1 | 11.0 | 10.8 | 11.6 | 12.2 | 11.6 | 12.3 | 11.7 | 11.8 | 13.0 |
| 262 | 2 | F | 9.5 | 9.5 | 8.4 | 9.4 | 9.2 | 10.2 | 10.1 | 10.5 | 9.3 | 8.8 | 9.5 | 9.1 | 10.0 | --- | --- | --- | --- | --- | --- | --- |
| 263 | 2 | F | 9.5 | 9.5 | 8.4 | 9.4 | 9.2 | 10.2 | 10.1 | 10.5 | 9.3 | 8.8 | 9.5 | 9.1 | 10.0 | 10.6 | 11.6 | 11.2 | 11.4 | 11.4 | 11.6 | 11.4 |
| 264 | 2 | F | 9.5 | 9.5 | 8.4 | 9.4 | 9.2 | 10.2 | 10.1 | 10.5 | 9.3 | 8.8 | 9.5 | 9.1 | 10.0 | 10.6 | 11.6 | 11.2 | 11.4 | 11.4 | 11.6 | 11.4 |
| 265 | 2 | F | 9.8 | 10.5 | 10.5 | 10.9 | 11.6 | 11.8 | 11.4 | 11.7 | 11.2 | 13.1 | 10.6 | 9.9 | 11.8 | 13.4 | 12.4 | 11.6 | 10.9 | 12.4 | 13.3 | 12.1 |
| 266 | 2 | F | 9.8 | 10.5 | 10.5 | 10.9 | 11.6 | 11.8 | 11.4 | 11.7 | 11.2 | 13.1 | 10.6 | 9.9 | 11.8 | 13.4 | 12.4 | 11.6 | 10.9 | 12.4 | 13.3 | 12.1 |
| 267 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 268 | 2 | F | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 269 | 2 | F | 10.0 | 11.5 | 12.0 | 12.7 | 11.6 | 11.9 | 12.6 | 12.6 | 13.7 | 11.0 | 11.6 | 11.8 | 13.7 | 13.6 | 14.4 | 13.5 | 12.8 | 12.6 | 13.6 | 12.9 |
| 270 | 2 | F | 10.0 | 11.5 | 12.0 | 12.7 | 11.6 | 11.9 | 12.6 | 12.6 | 13.7 | 11.0 | 11.6 | 11.8 | 13.7 | 13.6 | 14.4 | 13.5 | 12.8 | 12.6 | 13.6 | 12.9 |
| 271 | 2 | F | 7.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 272 | 2 | F | 7.1 | 11.4 | 11.1 | 12.7 | 12.3 | 12.2 | 14.9 | 12.2 | 11.8 | 8.8 | 11.6 | 11.3 | 12.6 | 14.6 | 15.4 | 15.6 | 13.6 | 14.4 | 13.9 | 15.0 |
| 273 | 2 | F | 7.1 | 11.4 | 11.1 | 12.7 | 12.3 | 12.2 | 14.9 | 12.2 | 11.8 | 8.8 | 11.6 | 11.3 | 12.6 | 14.6 | --- | --- | --- | --- | --- | --- |
| 274 | 2 | F | 10.9 | 12.0 | 12.1 | 12.4 | 12.1 | 12.3 | 12.4 | 12.6 | 11.3 | 10.2 | 11.2 | 11.6 | 13.6 | 12.9 | 13.6 | 13.9 | 12.4 | 14.0 | 13.6 | 12.6 |
| 275 | 2 | F | 10.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 276 | 2 | F | 10.9 | 12.0 | 12.1 | 12.4 | 12.1 | 12.3 | 12.4 | 12.6 | 11.3 | 10.2 | 11.2 | 11.6 | 13.6 | 12.9 | 13.6 | 13.9 | 12.4 | 14.0 | 13.6 | 12.6 |
| 277 | 2 | F | 10.4 | 10.1 | 10.2 | 11.0 | 10.5 | 11.1 | 11.5 | 11.0 | 10.5 | 10.3 | 9.6 | 10.0 | 10.9 | 11.6 | --- | --- | --- | --- | --- | --- |
| 278 | 2 | F | 10.4 | 10.1 | 10.2 | 11.0 | 10.5 | 11.1 | 11.5 | 11.0 | 10.5 | 10.3 | 9.6 | 10.0 | 10.9 | 11.6 | 12.7 | 13.0 | 13.0 | 12.1 | 12.6 | 12.3 |
| 279 | 2 | F | 10.4 | 10.1 | 10.2 | 11.0 | 10.5 | 11.1 | 11.5 | 11.0 | 10.5 | 10.3 | 9.6 | 10.0 | 10.9 | 11.6 | --- | --- | --- | --- | --- | --- |
| 280 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 2 | F | 10.1 | 10.7 | 10.9 | 12.4 | 12.1 | 7.9 | 12.0 | 11.9 | 12.4 | 12.3 | 11.6 | 11.9 | 12.9 | 12.7 | 13.9 | 14.9 | 14.0 | 13.3 | 14.0 | 12.7 |
| 282 | 2 | F | 10.1 | 10.7 | 10.9 | 12.4 | 12.1 | 7.9 | 12.0 | 11.9 | 12.4 | 12.3 | 11.6 | 11.9 | 12.9 | --- | --- | --- | --- | --- | --- | --- |
| 283 | 2 | F | 9.9 | 8.7 | 10.1 | 10.3 | 10.4 | 11.1 | 10.7 | 10.7 | 11.1 | 12.1 | 10.1 | 11.0 | 12.1 | 11.9 | 12.9 | 12.1 | 11.7 | 11.7 | 12.3 | 12.3 |
| 284 | 2 | F | 9.9 | 8.7 | 10.1 | 10.3 | 10.4 | 11.1 | 10.7 | 10.7 | 11.1 | 12.1 | 10.1 | 11.0 | 12.1 | 11.9 | 12.9 | 12.1 | 11.7 | 11.7 | 12.3 | 12.3 |
| 285 | 2 | F | 9.9 | 8.7 | 10.1 | 10.3 | 10.4 | 11.1 | 10.7 | 10.7 | 11.1 | 12.1 | 10.1 | 11.0 | 12.1 | 11.9 | 12.9 | 12.1 | 11.7 | 11.7 | 12.3 | 12.3 |
| 286 | 2 | F | 10.3 | 10.1 | 11.6 | 11.8 | 10.8 | 11.8 | 12.9 | 12.7 | 11.3 | 10.9 | 11.8 | 12.3 | 13.2 | 12.4 | 14.2 | 13.6 | 12.7 | 12.9 | 13.4 | 13.1 |
| 287 | 2 | F | 10.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 288 | 2 | F | 10.3 | 10.1 | 11.6 | 11.8 | 10.8 | 11.8 | 12.9 | 12.7 | 11.3 | 10.9 | 11.8 | 12.3 | 13.2 | 12.4 | 14.2 | 13.6 | 12.7 | 12.9 | 13.4 | 13.1 |
| 289 | 2 | F | 9.0 | 9.8 | 9.6 | 10.0 | 9.6 | 10.1 | 10.5 | 10.7 | 10.0 | 8.9 | 9.7 | 10.6 | 11.6 | 11.9 | 11.9 | 11.5 | 10.9 | 11.3 | 11.1 | 11.8 |
| 290 | 2 | F | 9.0 | 9.8 | 9.6 | 10.0 | 9.6 | 10.1 | 10.5 | 10.7 | 10.0 | 8.9 | 9.7 | 10.6 | 11.6 | 11.9 | 11.9 | 11.5 | 10.9 | 11.3 | 11.1 | 11.8 |
| 291 | 2 | F | 9.0 | 9.8 | 9.6 | 10.0 | 9.6 | 10.1 | 10.5 | 10.7 | 10.0 | 8.9 | 9.7 | 10.6 | 11.6 | 11.9 | 11.9 | 11.5 | 10.9 | 11.3 | 11.1 | 11.8 |
| 292 | 2 | F | 9.5 | 10.1 | 10.4 | 11.4 | 10.4 | 12.0 | 12.4 | 12.0 | 11.2 | 10.5 | 11.5 | 11.9 | 13.0 | 13.0 | 14.0 | 12.3 | 12.0 | 11.7 | 12.0 | 11.8 |
| 293 | 2 | F | 9.5 | 10.1 | 10.4 | 11.4 | 10.4 | 12.0 | 12.4 | 12.0 | 11.2 | 10.5 | 11.5 | 11.9 | 13.0 | 13.0 | 14.0 | 12.3 | 12.0 | 11.7 | 12.0 | 11.8 |
| 294 | 2 | F | 9.5 | 10.1 | 10.4 | 11.4 | 10.4 | 12.0 | 12.4 | 12.0 | 11.2 | 10.5 | 11.5 | 11.9 | 13.0 | 13.0 | 14.0 | 12.3 | 12.0 | 11.7 | 12.0 | 11.8 |
| 295 | 2 | F | 9.7 | 10.5 | 11.9 | 12.2 | 11.4 | 11.6 | 12.8 | 12.6 | 10.7 | 11.6 | 11.1 | 11.0 | 11.6 | 12.7 | 12.9 | 8.6 | 11.0 | 11.6 | 11.9 | 12.1 |
| 296 | 2 | F | 9.7 | 10.5 | 11.9 | 12.2 | 11.4 | 11.6 | 12.8 | 12.6 | 10.7 | 11.6 | 11.1 | 11.0 | 11.6 | 12.7 | 12.9 | 8.6 | 11.0 | 11.6 | 11.9 | 12.1 |
| 297 | 2 | F | 9.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 298 | 2 | F | 9.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 299 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 300 | 2 | F | 9.3 | 9.7 | 10.4 | 13.0 | 11.7 | 12.1 | 12.3 | 12.7 | 11.9 | 8.9 | 11.7 | 10.9 | 13.6 | --- | --- | --- | --- | --- | --- | --- |
| 301 | 3 | M | 11.6 | 17.3 | 18.7 | 18.4 | 17.1 | 17.6 | 17.1 | 18.3 | 18.0 | 18.6 | 16.4 | 17.1 | 18.4 | 19.4 | 16.6 | 20.1 | 18.7 | 17.7 | 18.0 | 17.3 |
| 302 | 3 | M | 11.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 303 | 3 | M | 11.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 304 | 3 | M | 16.0 | 14.7 | 16.0 | 16.1 | 14.5 | 14.4 | 15.8 | 12.1 | 16.1 | 16.5 | 15.1 | 16.2 | 16.5 | 17.0 | 16.1 | --- | 18.4 | 17.1 | 15.6 | 16.9 |
| 305 | 3 | M | 16.0 | 14.7 | 16.0 | 16.1 | 14.5 | 14.4 | 15.8 | 12.1 | 16.1 | 16.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 306 | 3 | M | 16.0 | 14.7 | 16.0 | 16.1 | 14.5 | 14.4 | 15.8 | 12.1 | 16.1 | 16.5 | 15.1 | 16.2 | 16.5 | 17.0 | 16.1 | 9.5 | 18.4 | 17.1 | 15.6 | 16.9 |
| 307 | 3 | M | 16.4 | 16.0 | 17.3 | 16.3 | 16.7 | 15.9 | 15.9 | 16.9 | 15.9 | 16.4 | 15.6 | 16.6 | 15.0 | 17.2 | 17.1 | 16.6 | 15.4 | 16.0 | 16.1 | 15.5 |
| 308 | 3 | M | 16.4 | 16.0 | 17.3 | 16.3 | 16.7 | 15.9 | 15.9 | 16.9 | 15.9 | 16.4 | 15.6 | 16.6 | 15.0 | 17.2 | 17.1 | 16.6 | 15.4 | 16.0 | 16.1 | 15.5 |
| 309 | 3 | M | 16.4 | 16.0 | 17.3 | 16.3 | 16.7 | 15.9 | 15.9 | 16.9 | 15.9 | 16.4 | 15.6 | 16.6 | 15.0 | 17.2 | 17.1 | 16.6 | 15.4 | 16.0 | 16.1 | 15.5 |
| 310 | 3 | M | 14.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 311 | 3 | M | 14.8 | 15.0 | 16.4 | 16.7 | 17.4 | 17.6 | 17.7 | 17.7 | 17.9 | 18.6 | 17.9 | 17.7 | 18.1 | 18.6 | 18.7 | 18.6 | 17.1 | 17.4 | 17.3 | 17.6 |
| 312 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 313 | 3 | M | 15.8 | 15.8 | 16.1 | 16.3 | 16.8 | 16.5 | 16.8 | 16.7 | 17.0 | 16.7 | 17.4 | 15.0 | 13.3 | 17.4 | 17.6 | 17.1 | 17.4 | 16.5 | 15.8 | 15.7 |
| 314 | 3 | M | 15.8 | 15.8 | 16.1 | 16.3 | 16.8 | 16.5 | 16.8 | 16.7 | 17.0 | 16.7 | 17.4 | 15.0 | 13.3 | 17.4 | 17.6 | 17.1 | 17.4 | 16.5 | 15.8 | 15.7 |
| 315 | 3 | M | 15.8 | 15.8 | 16.1 | 16.3 | 16.8 | 16.5 | 16.8 | 16.7 | 17.0 | 16.7 | 17.4 | 15.0 | 13.3 | 17.4 | 17.6 | 17.1 | 17.4 | 16.5 | 15.8 | 15.7 |
| 316 | 3 | M | 16.2 | 16.0 | 16.4 | 16.4 | 16.9 | 16.5 | 17.0 | 16.7 | 16.5 | 16.0 | 14.7 | 15.9 | 16.2 | --- | --- | --- | --- | --- | --- | --- |
| 317 | 3 | M | 16.2 | 16.0 | 16.4 | 16.4 | 16.9 | 16.5 | 17.0 | 16.7 | 16.5 | 16.0 | 14.7 | 15.9 | 16.2 | 18.3 | 19.2 | 18.6 | 17.9 | 18.8 | 17.9 | 18.3 |
| 318 | 3 | M | 16.2 | 16.0 | 16.4 | 16.4 | 16.9 | 16.5 | 17.0 | 16.7 | 16.5 | 16.0 | 14.7 | 15.9 | 16.2 | 18.3 | 19.2 | 18.6 | 17.9 | 18.8 | 17.9 | 18.3 |
| 319 | 3 | M | 15.2 | 14.9 | 16.1 | 15.9 | 15.8 | 15.8 | 16.9 | 16.0 | 16.8 | 14.6 | 17.6 | 15.5 | 16.1 | 17.6 | 18.9 | 17.1 | 17.6 | 18.0 | 17.4 | 16.8 |
| 320 | 3 | M | 15.2 | 14.9 | 16.1 | 15.9 | 15.8 | 15.8 | 16.9 | 16.0 | 16.8 | 14.6 | 17.6 | 15.5 | 16.1 | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 321 | 3 | M | 15.2 | 14.9 | 16.1 | 15.9 | 15.8 | 15.8 | 16.9 | 16.0 | 16.8 | 14.6 | 17.6 | 15.5 | 16.1 | 17.6 | 18.9 | 17.1 | 17.6 | 18.0 | 17.4 | 16.8 |
| 322 | 3 | M | 14.1 | 15.4 | 16.1 | 15.2 | 16.4 | 17.4 | 15.6 | 16.4 | 16.6 | 16.8 | 17.6 | 17.1 | 17.4 | --- | --- | --- | --- | --- | --- | --- |
| 323 | 3 | M | 14.1 | 15.4 | 16.1 | 15.2 | 16.4 | 17.4 | 15.6 | 16.4 | 16.6 | 16.8 | 17.6 | 17.1 | 17.4 | 16.3 | 17.9 | 19.3 | 19.3 | 17.9 | 18.6 | 17.9 |
| 324 | 3 | M | 14.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 325 | 3 | M | 15.7 | 16.4 | 16.6 | 16.5 | 16.6 | 14.1 | 17.3 | 17.1 | 16.7 | 15.6 | 16.7 | 15.8 | 16.1 | 16.6 | 17.6 | 17.6 | 17.1 | 15.6 | 16.5 | 15.6 |
| 326 | 3 | M | 15.7 | 16.4 | 16.6 | 16.5 | 16.6 | 14.1 | 17.3 | 17.1 | 16.7 | 15.6 | 16.7 | 15.8 | 16.1 | 16.6 | 17.6 | 17.6 | 17.1 | 15.6 | 16.5 | 15.6 |
| 327 | 3 | M | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 328 | 3 | M | 16.6 | 16.3 | 15.9 | 16.0 | 16.4 | 16.9 | 17.2 | 16.8 | 16.8 | 13.6 | 15.3 | 15.5 | 16.9 | 17.3 | 17.1 | 16.0 | 16.2 | 16.0 | 15.2 | 16.6 |
| 329 | 3 | M | 16.6 | 16.3 | 15.9 | 16.0 | 16.4 | 16.9 | 17.2 | 16.8 | 16.8 | 13.6 | 15.3 | 15.5 | 16.9 | 17.3 | 17.1 | 16.0 | 16.2 | 16.0 | 15.2 | 16.6 |
| 330 | 3 | M | 16.6 | 16.3 | 15.9 | 16.0 | 16.4 | 16.9 | 17.2 | 16.8 | 16.8 | 13.6 | 15.3 | 15.5 | 16.9 | 17.3 | 17.1 | 16.0 | 16.2 | 16.0 | 15.2 | 16.6 |
| 331 | 3 | M | 15.3 | 16.6 | 16.7 | 17.2 | 15.8 | 16.0 | 16.3 | 17.0 | 16.7 | --- | 17.5 | 15.0 | 16.9 | 17.4 | 18.1 | 15.0 | 17.1 | 17.1 | 17.1 | 16.6 |
| 332 | 3 | M | 15.3 | 16.6 | 16.7 | 17.2 | 15.8 | 16.0 | 16.3 | 17.0 | 16.7 | --- | 17.5 | 15.0 | 16.9 | --- | --- | --- | --- | --- | --- | --- |
| 333 | 3 | M | 15.3 | 16.6 | 16.7 | 17.2 | 15.8 | 16.0 | 16.3 | 17.0 | 16.7 | --- | 17.5 | 15.0 | 16.9 | 17.4 | 18.1 | 15.0 | 17.1 | 17.1 | 17.1 | 16.6 |
| 334 | 3 | M | 16.1 | 16.2 | 16.2 | 16.5 | 16.9 | 15.0 | 16.9 | 17.1 | 16.2 | 15.0 | 15.5 | 15.5 | 17.0 | 18.9 | 19.4 | 18.1 | 18.5 | 18.1 | 17.9 | 17.3 |
| 335 | 3 | M | 16.1 | 16.2 | 16.2 | 16.5 | 16.9 | 15.0 | 16.9 | 17.1 | 16.2 | 15.0 | 15.5 | 15.5 | 17.0 | --- | --- | --- | --- | --- | --- | --- |
| 336 | 3 | M | 16.1 | 16.2 | 16.2 | 16.5 | 16.9 | 15.0 | 16.9 | 17.1 | 16.2 | 15.0 | 15.5 | 15.5 | 17.0 | 18.9 | 19.4 | 18.1 | 18.5 | 18.1 | 17.9 | 17.3 |
| 337 | 3 | M | 13.0 | 16.9 | 16.1 | 16.7 | 17.1 | 16.8 | 15.1 | 17.0 | 16.8 | 15.0 | 16.9 | 14.8 | 16.9 | 15.5 | 16.7 | 17.9 | 15.7 | 12.7 | 5.7 | 5.0 |
| 338 | 3 | M | 13.0 | 16.9 | 16.1 | 16.7 | 17.1 | 16.8 | 15.1 | 17.0 | 16.8 | 15.0 | 16.9 | 14.8 | 16.9 | --- | --- | --- | --- | --- | --- | --- |
| 339 | 3 | M | 13.0 | 16.9 | 16.1 | 16.7 | 17.1 | 16.8 | 15.1 | 17.0 | 16.8 | 15.0 | 16.9 | 14.8 | 16.9 | 15.5 | --- | --- | --- | --- | --- | --- |
| 340 | 3 | M | 16.2 | 17.1 | 16.1 | 17.5 | 16.6 | 17.4 | 17.0 | 17.0 | 16.3 | 13.5 | 15.9 | 15.5 | 16.2 | 17.5 | 17.9 | 16.6 | 16.4 | 16.1 | 16.5 | 16.4 |
| 341 | 3 | M | 16.2 | 17.1 | 16.1 | 17.5 | 16.6 | 17.4 | 17.0 | 17.0 | 16.3 | 13.5 | 15.9 | 15.5 | 16.2 | 17.5 | 17.9 | 16.6 | 16.4 | 16.1 | 16.5 | 16.4 |
| 342 | 3 | M | 16.2 | 17.1 | 16.1 | 17.5 | 16.6 | 17.4 | 17.0 | 17.0 | 16.3 | 13.5 | 15.9 | 15.5 | 16.2 | 17.5 | 17.9 | 16.6 | 16.4 | 16.1 | 16.5 | 16.4 |
| 343 | 3 | M | 16.0 | 16.0 | 17.0 | 16.9 | 16.5 | 16.6 | 17.8 | 17.5 | 16.9 | 18.2 | 16.2 | 16.6 | 17.6 | 18.1 | 19.1 | 18.3 | 18.7 | 17.9 | 18.2 | 17.1 |
| 344 | 3 | M | 16.0 | 16.0 | 17.0 | 16.9 | 16.5 | 16.6 | 17.8 | 17.5 | 16.9 | 18.2 | 16.2 | 16.6 | 17.6 | 18.1 | --- | --- | --- | --- | --- | --- |
| 345 | 3 | M | 16.0 | 16.0 | 17.0 | 16.9 | 16.5 | 16.6 | 17.8 | 17.5 | 16.9 | 18.2 | 16.2 | 16.6 | 17.6 | 18.1 | 19.1 | 18.3 | 18.7 | 17.9 | 18.2 | 17.1 |
| 346 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 347 | 3 | M | 16.1 | 17.3 | 18.6 | 18.2 | 17.9 | 24.3 | 18.0 | 19.1 | 18.3 | 16.4 | 17.5 | 17.0 | 18.8 | 19.1 | 20.7 | 21.3 | 20.4 | 21.9 | 18.9 | 20.0 |
| 348 | 3 | M | 16.1 | 17.3 | 18.6 | 18.2 | 17.9 | 24.3 | 18.0 | 19.1 | 18.3 | 16.4 | 17.5 | 17.0 | 18.8 | 19.1 | --- | --- | --- | --- | --- | --- |
| 349 | 3 | M | 16.9 | 16.4 | 17.1 | 16.9 | 17.0 | 17.3 | 17.7 | 18.0 | 17.0 | 18.5 | 17.3 | 16.0 | 17.4 | 18.0 | 18.3 | 17.1 | 16.9 | 17.0 | 16.2 | 16.2 |
| 350 | 3 | M | 16.9 | 16.4 | 17.1 | 16.9 | 17.0 | 17.3 | 17.7 | 18.0 | 17.0 | 18.5 | 17.3 | 16.0 | 17.4 | 18.0 | 18.3 | 17.1 | 16.9 | 17.0 | 16.2 | 16.2 |
| 351 | 3 | M | 16.9 | 16.4 | 17.1 | 16.9 | 17.0 | 17.3 | 17.7 | 18.0 | 17.0 | 18.5 | 17.3 | 16.0 | 17.4 | 18.0 | 18.3 | 17.1 | 16.9 | 17.0 | 16.2 | 16.2 |
| 352 | 3 | M | 17.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 353 | 3 | M | 17.0 | 18.6 | 18.8 | 19.3 | 18.9 | 19.0 | 19.1 | 21.4 | 19.0 | 16.3 | 19.1 | 18.6 | 18.7 | 19.3 | 19.9 | 17.7 | 19.3 | 17.6 | 17.5 | 17.6 |
| 354 | 3 | M | 17.0 | 18.6 | 18.8 | 19.3 | 18.9 | 19.0 | 19.1 | 21.4 | 19.0 | 16.3 | 19.1 | 18.6 | 18.7 | 19.3 | 19.9 | 17.7 | 19.3 | 17.6 | 17.5 | 17.6 |
| 355 | 3 | M | 14.7 | 15.9 | 15.5 | 15.9 | 15.3 | 15.9 | 15.6 | 16.1 | 13.6 | 18.6 | 15.0 | 15.5 | 16.1 | 17.2 | 21.5 | 16.5 | 15.6 | 15.0 | 15.6 | 15.7 |
| 356 | 3 | M | 14.7 | 15.9 | 15.5 | 15.9 | 15.3 | 15.9 | 15.6 | 16.1 | 13.6 | 18.6 | 15.0 | 15.5 | 16.1 | 17.2 | 21.5 | 16.5 | 15.6 | 15.0 | 15.6 | 15.7 |
| 357 | 3 | M | 14.7 | 15.9 | 15.5 | 15.9 | 15.3 | 15.9 | 15.6 | 16.1 | 13.6 | 18.6 | 15.0 | 15.5 | 16.1 | 17.2 | 21.5 | 16.5 | 15.6 | 15.0 | 15.6 | 15.7 |
| 358 | 3 | M | 16.1 | 17.0 | 16.2 | 17.1 | 16.6 | 17.3 | 16.6 | 18.0 | 17.6 | 18.2 | 16.9 | 16.5 | 17.5 | --- | --- | --- | --- | --- | --- | --- |
| 359 | 3 | M | 16.1 | 17.0 | 16.2 | 17.1 | 16.6 | 17.3 | 16.6 | 18.0 | 17.6 | 18.2 | 16.9 | 16.5 | 17.5 | 18.5 | 18.6 | 18.4 | 17.2 | 17.8 | 17.0 | 17.6 |
| 360 | 3 | M | 16.1 | 17.0 | 16.2 | 17.1 | 16.6 | 17.3 | 16.6 | 18.0 | 17.6 | 18.2 | 16.9 | 16.5 | 17.5 | 18.5 | 18.6 | 18.4 | 17.2 | 17.8 | 17.0 | 17.6 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 361 | 3 | M | 16.8 | 17.1 | 17.6 | 17.2 | 17.4 | 17.2 | 17.6 | 17.6 | 16.9 | 19.5 | 16.6 | 16.8 | 17.8 | 18.5 | 18.0 | 17.1 | 17.0 | 16.3 | 16.1 | 14.9 |
| 362 | 3 | M | 16.8 | 17.1 | 17.6 | 17.2 | 17.4 | 17.2 | 17.6 | 17.6 | 16.9 | 19.5 | 16.6 | 16.8 | 17.8 | 18.5 | 18.0 | 17.1 | 17.0 | 16.3 | 16.1 | 14.9 |
| 363 | 3 | M | 16.8 | 17.1 | 17.6 | 17.2 | 17.4 | 17.2 | 17.6 | 17.6 | 16.9 | 19.5 | 16.6 | 16.8 | 17.8 | 18.5 | 18.0 | 17.1 | 17.0 | 16.3 | 16.1 | 14.9 |
| 364 | 3 | M | 16.4 | 16.6 | 16.9 | 17.9 | 17.3 | 18.0 | 17.9 | 17.9 | 17.6 | 18.4 | 17.0 | 17.7 | 18.1 | 18.9 | 18.2 | 17.6 | 17.3 | 16.1 | 15.7 | 16.8 |
| 365 | 3 | M | 16.4 | 16.6 | 16.9 | 17.9 | 17.3 | 18.0 | 17.9 | 17.9 | 17.6 | 18.4 | 17.0 | 17.7 | 18.1 | 18.9 | 18.2 | 17.6 | 17.3 | 16.1 | 15.7 | 16.8 |
| 366 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 367 | 3 | M | 16.8 | 16.2 | 15.3 | 16.2 | 16.1 | 17.0 | 16.9 | 17.9 | 16.8 | 16.6 | 17.4 | 15.9 | 16.9 | 17.0 | 17.0 | 16.4 | 15.9 | 15.6 | 15.4 | 15.7 |
| 368 | 3 | M | 16.8 | 16.2 | 15.3 | 16.2 | 16.1 | 17.0 | 16.9 | 17.9 | 16.8 | 16.6 | 17.4 | 15.9 | 16.9 | 17.0 | 17.0 | 16.4 | 15.9 | 15.6 | 15.4 | 15.7 |
| 369 | 3 | M | 16.8 | 16.2 | 15.3 | 16.2 | 16.1 | 17.0 | 16.9 | 17.9 | 16.8 | 16.6 | 17.4 | 15.9 | 16.9 | 17.0 | 17.0 | 16.4 | 15.9 | 15.6 | 15.4 | 15.7 |
| 370 | 3 | M | 15.6 | 15.7 | 16.3 | 16.3 | 16.0 | 16.6 | 17.2 | 17.0 | 17.1 | 17.2 | 16.6 | 15.6 | 17.3 | 17.6 | 17.1 | 17.0 | 15.9 | 15.8 | 15.7 | 16.0 |
| 371 | 3 | M | 15.6 | 15.7 | 16.3 | 16.3 | 16.0 | 16.6 | 17.2 | 17.0 | 17.1 | 17.2 | 16.6 | 15.6 | 17.3 | 17.6 | 17.1 | 17.0 | 15.9 | 15.8 | 15.7 | 16.0 |
| 372 | 3 | M | 15.6 | 15.7 | 16.3 | 16.3 | 16.0 | 16.6 | 17.2 | 17.0 | 17.1 | 17.2 | 16.6 | 15.6 | 17.3 | 17.6 | 17.1 | 17.0 | 15.9 | 15.8 | 15.7 | 16.0 |
| 373 | 3 | M | 15.9 | 17.0 | 16.6 | 17.7 | 16.9 | 17.7 | 17.9 | 18.0 | 17.6 | 17.0 | 18.6 | 17.3 | 16.4 | 17.5 | 18.9 | 16.2 | 16.2 | 14.3 | 15.9 | 16.2 |
| 374 | 3 | M | 15.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 375 | 3 | M | 15.9 | 17.0 | 16.6 | 17.7 | 16.9 | 17.7 | 17.9 | 18.0 | 17.6 | 17.0 | 18.6 | 17.3 | 16.4 | 17.5 | 18.9 | 16.2 | 16.2 | 14.3 | 15.9 | 16.2 |
| 376 | 3 | F | 8.2 | 9.7 | 10.7 | 11.0 | 10.0 | 15.3 | 12.3 | 10.4 | 10.0 | 11.0 | 10.1 | 10.6 | 9.7 | 10.9 | 9.9 | 12.9 | 10.7 | 12.4 | 12.6 | 12.0 |
| 377 | 3 | F | 8.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 378 | 3 | F | 8.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 379 | 3 | F | 10.6 | 9.4 | 9.8 | 10.2 | 10.5 | 9.7 | 9.7 | 10.3 | 10.2 | 10.8 | 9.9 | 9.1 | 10.2 | 10.2 | 11.1 | 11.2 | 10.8 | 10.7 | 10.9 | 10.8 |
| 380 | 3 | F | 10.6 | 9.4 | 9.8 | 10.2 | 10.5 | 9.7 | 9.7 | 10.3 | 10.2 | 10.8 | 9.9 | 9.1 | 10.2 | 10.2 | 11.1 | 11.2 | 10.8 | 10.7 | 10.9 | 10.8 |
| 381 | 3 | F | 10.6 | 9.4 | 9.8 | 10.2 | 10.5 | 9.7 | 9.7 | 10.3 | 10.2 | 10.8 | 9.9 | 9.1 | 10.2 | 10.2 | 11.1 | 11.2 | 10.8 | 10.7 | 10.9 | 10.8 |
| 382 | 3 | F | 10.6 | 10.7 | 11.1 | 10.6 | 11.1 | 11.4 | 10.9 | 12.1 | 10.6 | 11.9 | 11.0 | 12.2 | 11.9 | 13.5 | 13.1 | 12.2 | 12.7 | 13.0 | 13.0 | 7.6 |
| 383 | 3 | F | 10.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 384 | 3 | F | 10.6 | 10.7 | 11.1 | 10.6 | 11.1 | 11.4 | 10.9 | 12.1 | 10.6 | 11.9 | 11.0 | 12.2 | 11.9 | 13.5 | 13.1 | 12.2 | 12.7 | 13.0 | 13.0 | 7.6 |
| 385 | 3 | F | 10.1 | 10.4 | 10.8 | 10.7 | 10.7 | 10.8 | 12.5 | 12.9 | 11.6 | 11.8 | 10.1 | 11.6 | 12.2 | 12.4 | 13.6 | 13.0 | 13.5 | 13.4 | 12.9 | 12.9 |
| 386 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 387 | 3 | F | 10.1 | 10.4 | 10.8 | 10.7 | 10.7 | 10.8 | 12.5 | 12.9 | 11.6 | 11.8 | 10.1 | 11.6 | 12.2 | 12.4 | 13.6 | 13.0 | 13.5 | 13.4 | 12.9 | 12.9 |
| 388 | 3 | F | 9.5 | 9.4 | 9.9 | 9.7 | 9.4 | --- | 10.3 | 11.3 | 10.0 | 10.0 | 8.3 | 11.0 | 11.1 | 11.2 | 11.3 | 11.1 | 11.3 | 11.5 | 11.6 | 11.5 |
| 389 | 3 | F | 9.5 | 9.4 | 9.9 | 9.7 | 9.4 | --- | 10.3 | 11.3 | 10.0 | 10.0 | 8.3 | 11.0 | 11.1 | 11.2 | 11.3 | 11.1 | 11.3 | 11.5 | 11.6 | 11.5 |
| 390 | 3 | F | 9.5 | 9.4 | 9.9 | 9.7 | 9.4 | --- | 10.3 | 11.3 | 10.0 | 10.0 | 8.3 | 11.0 | 11.1 | 11.2 | 11.3 | 11.1 | 11.3 | 11.5 | 11.6 | 11.5 |
| 391 | 3 | F | 9.4 | 9.3 | 9.7 | 10.5 | 10.1 | 10.1 | 11.1 | 10.0 | 10.2 | 11.9 | 11.4 | 11.3 | 11.3 | 12.0 | 11.9 | 10.6 | 11.2 | 11.4 | 12.0 | 12.0 |
| 392 | 3 | F | 9.4 | 9.3 | 9.7 | 10.5 | 10.1 | 10.1 | 11.1 | 10.0 | 10.2 | 11.9 | 11.4 | 11.3 | 11.3 | 12.0 | 11.9 | 10.6 | 11.2 | 11.4 | 12.0 | 12.0 |
| 393 | 3 | F | 9.4 | 9.3 | 9.7 | 10.5 | 10.1 | 10.1 | 11.1 | 10.0 | 10.2 | 11.9 | 11.4 | 11.3 | 11.3 | 12.0 | 11.9 | 10.6 | 11.2 | 11.4 | 12.0 | 12.0 |
| 394 | 3 | F | 9.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 395 | 3 | F | 9.2 | 10.4 | 9.6 | 11.3 | 10.9 | 11.1 | 7.2 | 11.6 | 11.3 | 12.5 | 10.6 | 10.7 | 11.1 | 12.7 | 14.0 | 14.6 | 13.1 | 13.6 | 14.3 | 14.7 |
| 396 | 3 | F | 9.2 | 10.4 | 9.6 | 11.3 | 10.9 | 11.1 | 7.2 | 11.6 | 11.3 | 12.5 | 10.6 | 10.7 | 11.1 | --- | --- | --- | --- | --- | --- | --- |
| 397 | 3 | F | 10.5 | 9.2 | 10.4 | 10.3 | 10.9 | 11.1 | 11.1 | 10.9 | 10.2 | 11.0 | 10.5 | 11.2 | 11.0 | 11.6 | 12.8 | 12.1 | 11.8 | 11.9 | 12.0 | 12.7 |
| 398 | 3 | F | 10.5 | 9.2 | 10.4 | 10.3 | 10.9 | 11.1 | 11.1 | 10.9 | 10.2 | 11.0 | 10.5 | 11.2 | 11.0 | 11.6 | 12.8 | 12.1 | 11.8 | 11.9 | 12.0 | 12.7 |
| 399 | 3 | F | 10.5 | 9.2 | 10.4 | 10.3 | 10.9 | 11.1 | 11.1 | 10.9 | 10.2 | 11.0 | 10.5 | 11.2 | 11.0 | 11.6 | 12.8 | 12.1 | 11.8 | 11.9 | 12.0 | 12.7 |
| 400 | 3 | F | 9.1 | 9.6 | 9.6 | 10.2 | 10.5 | 10.3 | 10.4 | 10.6 | 10.5 | 10.2 | 13.1 | 10.7 | 9.3 | 11.3 | 12.4 | 9.7 | 10.3 | 10.7 | 12.7 | 11.9 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 401 | 3 | F | 9.1 | 9.6 | 9.6 | 10.2 | 10.5 | 10.3 | 10.4 | 10.6 | 10.5 | 10.2 | 13.1 | 10.7 | 9.3 | 11.3 | 12.4 | 9.7 | 10.3 | 10.7 | 12.7 | 11.9 |
| 402 | 3 | F | 9.1 | 9.6 | 9.6 | 10.2 | 10.5 | 10.3 | 10.4 | 10.6 | 10.5 | 10.2 | 13.1 | 10.7 | 9.3 | 11.3 | 12.4 | 9.7 | 10.3 | 10.7 | 12.7 | 11.9 |
| 403 | 3 | F | 10.3 | 10.4 | 11.1 | 11.7 | 11.2 | 11.0 | 11.4 | 11.3 | 11.4 | 11.7 | --- | 11.0 | 11.5 | 12.5 | 12.6 | 12.3 | 12.6 | 11.5 | 12.2 | 13.4 |
| 404 | 3 | F | 10.3 | 10.4 | 11.1 | 11.7 | 11.2 | 11.0 | 11.4 | 11.3 | 11.4 | 11.7 | --- | 11.0 | 11.5 | 12.5 | 12.6 | 12.3 | 12.6 | 11.5 | 12.2 | 13.4 |
| 405 | 3 | F | 10.3 | 10.4 | 11.1 | 11.7 | 11.2 | 11.0 | 11.4 | 11.3 | 11.4 | 11.7 | --- | 11.0 | 11.5 | 12.5 | 12.6 | 12.3 | 12.6 | 11.5 | 12.2 | 13.4 |
| 406 | 3 | F | 9.5 | 11.0 | 10.2 | 10.6 | 10.9 | 11.2 | 11.1 | 11.2 | 10.6 | 11.0 | 11.3 | 11.1 | 12.3 | --- | --- | --- | --- | --- | --- | --- |
| 407 | 3 | F | 9.5 | 11.0 | 10.2 | 10.6 | 10.9 | 11.2 | 11.1 | 11.2 | 10.6 | 11.0 | 11.3 | 11.1 | 12.3 | 12.4 | 13.7 | 13.7 | 13.7 | 14.0 | 15.6 | 14.6 |
| 408 | 3 | F | 9.5 | 11.0 | 10.2 | 10.6 | 10.9 | 11.2 | 11.1 | 11.2 | 10.6 | 11.0 | 11.3 | 11.1 | 12.3 | --- | --- | --- | --- | --- | --- | --- |
| 409 | 3 | F | 9.8 | 10.3 | 10.4 | 11.2 | 10.2 | 10.7 | 10.9 | 10.4 | 10.4 | 9.1 | 10.6 | 10.2 | 10.5 | 11.4 | 11.2 | 11.7 | 11.4 | 10.2 | 11.4 | 12.0 |
| 410 | 3 | F | 9.8 | 10.3 | 10.4 | 11.2 | 10.2 | 10.7 | 10.9 | 10.4 | 10.4 | 9.1 | 10.6 | 10.2 | 10.5 | 11.4 | 11.2 | 11.7 | 11.4 | 10.2 | 11.4 | 12.0 |
| 411 | 3 | F | 9.8 | 10.3 | 10.4 | 11.2 | 10.2 | 10.7 | 10.9 | 10.4 | 10.4 | 9.1 | 10.6 | 10.2 | 10.5 | 11.4 | 11.2 | 11.7 | 11.4 | 10.2 | 11.4 | 12.0 |
| 412 | 3 | F | 9.2 | 10.0 | 10.4 | 10.0 | 10.2 | 10.8 | 10.7 | 10.6 | 10.1 | 10.1 | 9.7 | 10.6 | 10.9 | 12.3 | 13.5 | 12.4 | 12.1 | 13.4 | 12.6 | 12.7 |
| 413 | 3 | F | 9.2 | 10.0 | 10.4 | 10.0 | 10.2 | 10.8 | 10.7 | 10.6 | 10.1 | 10.1 | 9.7 | 10.6 | 10.9 | 12.3 | 13.5 | 12.4 | 12.1 | 13.4 | 12.6 | 12.7 |
| 414 | 3 | F | 9.2 | 10.0 | 10.4 | 10.0 | 10.2 | 10.8 | 10.7 | 10.6 | 10.1 | 10.1 | 9.7 | 10.6 | 10.9 | --- | --- | --- | --- | --- | --- | --- |
| 415 | 3 | F | 10.4 | 10.6 | 11.0 | 11.0 | 11.1 | 11.7 | 11.1 | 11.6 | 11.0 | 11.0 | 13.8 | 10.9 | 12.0 | 12.9 | --- | --- | --- | --- | --- | --- |
| 416 | 3 | F | 10.4 | 10.6 | 11.0 | 11.0 | 11.1 | 11.7 | 11.1 | 11.6 | 11.0 | 11.0 | 13.8 | 10.9 | 12.0 | 12.9 | 13.7 | 13.0 | 12.8 | 12.6 | 13.4 | 13.6 |
| 417 | 3 | F | 10.4 | 10.6 | 11.0 | 11.0 | 11.1 | 11.7 | 11.1 | 11.6 | 11.0 | 11.0 | 13.8 | 10.9 | 12.0 | 12.9 | 13.7 | 13.0 | 12.8 | 12.6 | 13.4 | 13.6 |
| 418 | 3 | F | 12.4 | 11.1 | 10.7 | 10.4 | 11.1 | 10.9 | 11.7 | 11.3 | 11.3 | 11.9 | 11.4 | 11.0 | 11.9 | 12.2 | 13.6 | 12.3 | 11.1 | 11.6 | 11.4 | 12.0 |
| 419 | 3 | F | 12.4 | 11.1 | 10.7 | 10.4 | 11.1 | 10.9 | 11.7 | 11.3 | 11.3 | 11.9 | 11.4 | 11.0 | 11.9 | 12.2 | 13.6 | 12.3 | 11.1 | 11.6 | 11.4 | 12.0 |
| 420 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 421 | 3 | F | 10.8 | 9.7 | 10.7 | 11.6 | 11.0 | 11.5 | 10.3 | 11.0 | 11.3 | 10.8 | 11.0 | 10.0 | 11.2 | 11.8 | 12.6 | 12.1 | 11.1 | 11.8 | 11.7 | 12.0 |
| 422 | 3 | F | 10.8 | 9.7 | 10.7 | 11.6 | 11.0 | 11.5 | 10.3 | 11.0 | 11.3 | 10.8 | 11.0 | 10.0 | 11.2 | 11.8 | 12.6 | 12.1 | 11.1 | 11.8 | 11.7 | 12.0 |
| 423 | 3 | F | 10.8 | 9.7 | 10.7 | 11.6 | 11.0 | 11.5 | 10.3 | 11.0 | 11.3 | 10.8 | 11.0 | 10.0 | 11.2 | 11.8 | 12.6 | 12.1 | 11.1 | 11.8 | 11.7 | 12.0 |
| 424 | 3 | F | 10.4 | 10.1 | 9.9 | 11.2 | 11.2 | 11.0 | 10.7 | 11.1 | 10.8 | 11.6 | 12.4 | 10.4 | 10.8 | 12.4 | 13.4 | 12.9 | 13.4 | 12.9 | 12.6 | 13.1 |
| 425 | 3 | F | 10.4 | 10.1 | 9.9 | 11.2 | 11.2 | 11.0 | 10.7 | 11.1 | 10.8 | 11.6 | 12.4 | 10.4 | 10.8 | 12.4 | --- | --- | --- | --- | --- | --- |
| 426 | 3 | F | 10.4 | 10.1 | 9.9 | 11.2 | 11.2 | 11.0 | 10.7 | 11.1 | 10.8 | 11.6 | 12.4 | 10.4 | 10.8 | 12.4 | 13.4 | 12.9 | 13.4 | 12.9 | 12.6 | 13.1 |
| 427 | 3 | F | 11.2 | 10.7 | 11.6 | 11.6 | 11.4 | 12.2 | 11.6 | 11.8 | 11.4 | 12.1 | 12.7 | 12.5 | 12.4 | 12.9 | 13.7 | 14.3 | 13.6 | 12.9 | 13.7 | 13.7 |
| 428 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 429 | 3 | F | 11.2 | 10.7 | 11.6 | 11.6 | 11.4 | 12.2 | 11.6 | 11.8 | 11.4 | 12.1 | 12.7 | 12.5 | 12.4 | 12.9 | --- | --- | --- | --- | --- | --- |
| 430 | 3 | F | 10.9 | 11.0 | 11.4 | 11.4 | 11.9 | 11.7 | 11.8 | 12.2 | 11.5 | 12.3 | 10.3 | 11.7 | 12.2 | 13.4 | 13.3 | 12.2 | 11.8 | 12.3 | 12.2 | 12.1 |
| 431 | 3 | F | 10.9 | 11.0 | 11.4 | 11.4 | 11.9 | 11.7 | 11.8 | 12.2 | 11.5 | 12.3 | 10.3 | 11.7 | 12.2 | 13.4 | 13.3 | 12.2 | 11.8 | 12.3 | 12.2 | 12.1 |
| 432 | 3 | F | 10.9 | 11.0 | 11.4 | 11.4 | 11.9 | 11.7 | 11.8 | 12.2 | 11.5 | 12.3 | 10.3 | 11.7 | 12.2 | 13.4 | 13.3 | 12.2 | 11.8 | 12.3 | 12.2 | 12.1 |
| 433 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 434 | 3 | F | 10.6 | 11.4 | 10.8 | 10.5 | 10.9 | 11.9 | 11.1 | 10.9 | 10.5 | 9.4 | 12.1 | 10.9 | 12.1 | --- | --- | --- | --- | --- | --- | --- |
| 435 | 3 | F | 10.6 | 11.4 | 10.8 | 10.5 | 10.9 | 11.9 | 11.1 | 10.9 | 10.5 | 9.4 | 12.1 | 10.9 | 12.1 | 13.3 | 14.1 | 14.6 | 13.4 | 12.7 | 13.9 | 13.3 |
| 436 | 3 | F | 10.0 | 10.3 | 10.3 | 11.0 | 11.0 | 10.4 | 10.3 | 10.7 | 10.6 | 10.2 | 11.0 | 11.1 | 12.3 | 11.8 | 12.7 | 12.0 | 11.5 | 12.0 | 12.1 | 12.6 |
| 437 | 3 | F | 10.0 | 10.3 | 10.3 | 11.0 | 11.0 | 10.4 | 10.3 | 10.7 | 10.6 | 10.2 | 11.0 | 11.1 | 12.3 | 11.8 | 12.7 | 12.0 | 11.5 | 12.0 | 12.1 | 12.6 |
| 438 | 3 | F | 10.0 | 10.3 | 10.3 | 11.0 | 11.0 | 10.4 | 10.3 | 10.7 | 10.6 | 10.2 | 11.0 | 11.1 | 12.3 | 11.8 | 12.7 | 12.0 | 11.5 | 12.0 | 12.1 | 12.6 |
| 439 | 3 | F | 9.7 | 9.8 | 10.0 | 10.8 | 11.0 | 10.5 | 10.6 | 11.0 | 11.0 | 11.0 | 11.9 | 9.8 | 11.0 | 12.2 | 11.6 | 10.8 | 11.7 | 11.9 | 11.8 | 11.9 |
| 440 | 3 | F | 9.7 | 9.8 | 10.0 | 10.8 | 11.0 | 10.5 | 10.6 | 11.0 | 11.0 | 11.0 | 11.9 | 9.8 | 11.0 | 12.2 | 11.6 | 10.8 | 11.7 | 11.9 | 11.8 | 11.9 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 3 | F | 9.7 | 9.8 | 10.0 | 10.8 | 11.0 | 10.5 | 10.6 | 11.0 | 11.0 | 11.0 | 11.9 | 9.8 | 11.0 | 12.2 | 11.6 | 10.8 | 11.7 | 11.9 | 11.8 | 11.9 |
| 442 | 3 | F | 10.0 | 10.7 | 10.9 | 11.1 | 10.9 | 11.6 | 12.2 | 12.2 | 13.3 | 11.7 | 10.3 | 11.1 | 12.6 | --- | --- | --- | --- | --- | --- | --- |
| 443 | 3 | F | 10.0 | 10.7 | 10.9 | 11.1 | 10.9 | 11.6 | 12.2 | 12.2 | 13.3 | 11.7 | 10.3 | 11.1 | 12.6 | 13.4 | 12.1 | 12.6 | 12.7 | 12.1 | 12.4 | 13.3 |
| 444 | 3 | F | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 445 | 3 | F | 11.0 | 10.4 | 10.9 | 11.1 | 11.4 | 11.3 | 12.2 | 11.6 | 11.1 | 10.6 | 10.3 | 11.3 | 12.4 | 11.8 | 11.5 | 11.6 | 12.2 | 11.9 | 11.5 | 12.0 |
| 446 | 3 | F | 11.0 | 10.4 | 10.9 | 11.1 | 11.4 | 11.3 | 12.2 | 11.6 | 11.1 | 10.6 | 10.3 | 11.3 | 12.4 | 11.8 | 11.5 | 11.6 | 12.2 | 11.9 | 11.5 | 12.0 |
| 447 | 3 | F | 11.0 | 10.4 | 10.9 | 11.1 | 11.4 | 11.3 | 12.2 | 11.6 | 11.1 | 10.6 | 10.3 | 11.3 | 12.4 | 11.8 | 11.5 | 11.6 | 12.2 | 11.9 | 11.5 | 12.0 |
| 448 | 3 | F | 11.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 449 | 3 | F | 11.4 | 10.7 | 11.4 | 11.4 | 12.0 | 11.5 | 11.0 | 11.9 | 11.6 | 9.3 | 10.9 | 11.1 | 12.5 | 12.6 | 12.0 | 13.1 | 12.9 | 12.3 | 13.4 | 14.0 |
| 450 | 3 | F | 11.4 | 10.7 | 11.4 | 11.4 | 12.0 | 11.5 | 11.0 | 11.9 | 11.6 | 9.3 | 10.9 | 11.1 | 12.5 | --- | --- | --- | --- | --- | --- | --- |
| 451 | 4 | M | 15.6 | 15.1 | 16.0 | 16.3 | 16.4 | 16.6 | 16.0 | 15.8 | 16.1 | 15.7 | 19.0 | 16.3 | 16.5 | 16.7 | 16.5 | 16.3 | 15.7 | 15.4 | 15.4 | 15.9 |
| 452 | 4 | M | 15.6 | 15.1 | 16.0 | 16.3 | 16.4 | 16.6 | 16.0 | 15.8 | 16.1 | 15.7 | 19.0 | 16.3 | 16.5 | 16.7 | 16.5 | 16.3 | 15.7 | 15.4 | 15.4 | 15.9 |
| 453 | 4 | M | 15.6 | 15.1 | 16.0 | 16.3 | 16.4 | 16.6 | 16.0 | 15.8 | 16.1 | 15.7 | 19.0 | 16.3 | 16.5 | 16.7 | 16.5 | 16.3 | 15.7 | 15.4 | 15.4 | 15.9 |
| 454 | 4 | M | 15.0 | 11.7 | 18.3 | 16.6 | 16.4 | 12.8 | 17.3 | 17.1 | 17.0 | 17.9 | 16.7 | 17.4 | 17.2 | 16.0 | 16.3 | 20.1 | 17.4 | 17.7 | 17.3 | 19.7 |
| 455 | 4 | M | 15.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 456 | 4 | M | 15.0 | 11.7 | 18.3 | 16.6 | 16.4 | 12.8 | 17.3 | 17.1 | 17.0 | 17.9 | 16.7 | 17.4 | 17.2 | --- | --- | --- | --- | --- | --- | --- |
| 457 | 4 | M | 15.8 | 15.4 | 16.1 | 15.8 | 16.0 | 16.4 | 16.3 | 16.5 | 16.4 | 15.2 | 17.7 | 15.5 | 16.2 | 15.6 | 17.1 | 17.1 | 15.6 | 17.1 | 16.7 | 16.8 |
| 458 | 4 | M | 15.8 | 15.4 | 16.1 | 15.8 | 16.0 | 16.4 | 16.3 | 16.5 | 16.4 | 15.2 | 17.7 | 15.5 | 16.2 | --- | --- | --- | --- | --- | --- | --- |
| 459 | 4 | M | 15.8 | 15.4 | 16.1 | 15.8 | 16.0 | 16.4 | 16.3 | 16.5 | 16.4 | 15.2 | 17.7 | 15.5 | 16.2 | 15.6 | 17.1 | 17.1 | 15.6 | 17.1 | 16.7 | 16.8 |
| 460 | 4 | M | 14.7 | 14.9 | 16.5 | 16.4 | 16.3 | 16.6 | 18.4 | 17.6 | 15.9 | 9.7 | 18.1 | 15.1 | 16.7 | 17.1 | 16.9 | 16.9 | 17.2 | 15.3 | 16.5 | 16.5 |
| 461 | 4 | M | 14.7 | 14.9 | 16.5 | 16.4 | 16.3 | 16.6 | 18.4 | 17.6 | 15.9 | 9.7 | 18.1 | 15.1 | 16.7 | 17.1 | 16.9 | 16.9 | 17.2 | 15.3 | 16.5 | 16.5 |
| 462 | 4 | M | 14.7 | 14.9 | 16.5 | 16.4 | 16.3 | 16.6 | 18.4 | 17.6 | 15.9 | 9.7 | 18.1 | 15.1 | 16.7 | 17.1 | 16.9 | 16.9 | 17.2 | 15.3 | 16.5 | 16.5 |
| 463 | 4 | M | 15.9 | 16.1 | 16.7 | 16.7 | 17.3 | 17.6 | 17.4 | 17.3 | 17.4 | 17.1 | 18.5 | 16.4 | 16.8 | --- | --- | --- | --- | --- | --- | --- |
| 464 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 465 | 4 | M | 15.9 | 16.1 | 16.7 | 16.7 | 17.3 | 17.6 | 17.4 | 17.3 | 17.4 | 17.1 | 18.5 | 16.4 | 16.8 | 16.4 | 17.1 | 17.3 | 17.0 | 16.9 | 16.1 | 16.0 |
| 466 | 4 | M | 14.7 | 14.6 | 14.9 | 15.0 | 15.6 | 15.7 | 15.8 | 14.9 | 15.5 | 15.7 | 16.0 | 15.3 | 15.3 | 15.9 | 15.5 | 14.7 | 15.4 | 15.4 | 14.7 | 15.5 |
| 467 | 4 | M | 14.7 | 14.6 | 14.9 | 15.0 | 15.6 | 15.7 | 15.8 | 14.9 | 15.5 | 15.7 | 16.0 | 15.3 | 15.3 | 15.9 | 15.5 | 14.7 | 15.4 | 15.4 | 14.7 | 15.5 |
| 468 | 4 | M | 14.7 | 14.6 | 14.9 | 15.0 | 15.6 | 15.7 | 15.8 | 14.9 | 15.5 | 15.7 | 16.0 | 15.3 | 15.3 | 15.9 | 15.5 | 14.7 | 15.4 | 15.4 | 14.7 | 15.5 |
| 469 | 4 | M | 16.6 | 16.4 | 16.4 | 16.4 | 16.7 | 16.4 | 16.5 | 16.3 | 16.7 | 10.4 | 18.2 | 15.1 | 16.9 | 17.6 | 17.3 | 17.9 | 15.4 | 15.9 | 16.2 | 16.4 |
| 470 | 4 | M | 16.6 | 16.4 | 16.4 | 16.4 | 16.7 | 16.4 | 16.5 | 16.3 | 16.7 | 10.4 | 18.2 | 15.1 | 16.9 | 17.6 | --- | --- | --- | --- | --- | --- |
| 471 | 4 | M | 16.6 | 16.4 | 16.4 | 16.4 | 16.7 | 16.4 | 16.5 | 16.3 | 16.7 | 10.4 | 18.2 | 15.1 | 16.9 | 17.6 | 17.3 | 17.9 | 15.4 | 15.9 | 16.2 | 16.4 |
| 472 | 4 | M | 15.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 473 | 4 | M | 15.8 | 17.6 | 17.6 | 17.5 | 17.2 | 17.1 | 18.7 | 18.3 | 18.4 | 17.6 | 16.0 | 16.7 | 18.4 | 18.5 | 17.7 | 17.3 | 17.6 | 17.2 | 17.1 | 16.6 |
| 474 | 4 | M | 15.8 | 17.6 | 17.6 | 17.5 | 17.2 | 17.1 | 18.7 | 18.3 | 18.4 | 17.6 | 16.0 | 16.7 | 18.4 | 18.5 | 17.7 | 17.3 | 17.6 | 17.2 | 17.1 | 16.6 |
| 475 | 4 | M | 15.4 | 15.6 | 16.4 | 15.8 | 16.2 | 16.9 | 16.6 | 16.2 | 15.3 | 16.3 | 15.7 | 15.4 | 16.7 | 17.9 | 18.5 | 17.6 | 17.4 | 16.5 | 17.1 | 17.6 |
| 476 | 4 | M | 15.4 | 15.6 | 16.4 | 15.8 | 16.2 | 16.9 | 16.6 | 16.2 | 15.3 | 16.3 | 15.7 | 15.4 | 16.7 | 17.9 | --- | --- | --- | --- | --- | --- |
| 477 | 4 | M | 15.4 | 15.6 | 16.4 | 15.8 | 16.2 | 16.9 | 16.6 | 16.2 | 15.3 | 16.3 | 15.7 | 15.4 | 16.7 | 17.9 | 18.5 | 17.6 | 17.4 | 16.5 | 17.1 | 17.6 |
| 478 | 4 | M | 16.6 | 16.2 | 17.1 | 16.8 | 16.3 | 16.4 | 16.1 | 16.8 | 16.1 | 10.3 | 17.9 | 14.7 | 16.6 | 17.5 | 16.7 | 16.5 | 16.7 | 12.5 | 15.3 | 17.4 |
| 479 | 4 | M | 16.6 | 16.2 | 17.1 | 16.8 | 16.3 | 16.4 | 16.1 | 16.8 | 16.1 | 10.3 | 17.9 | 14.7 | 16.6 | 17.5 | 16.7 | 16.5 | 16.7 | 12.5 | 15.3 | 17.4 |
| 480 | 4 | M | 16.6 | 16.2 | 17.1 | 16.8 | 16.3 | 16.4 | 16.1 | 16.8 | 16.1 | 10.3 | 17.9 | 14.7 | 16.6 | 17.5 | 16.7 | 16.5 | 16.7 | 12.5 | 15.3 | 17.4 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
| 481 | 4 | M | 16.6 | 17.9 | 18.1 | 18.4 | 18.0 | 17.4 | 18.1 | 17.6 | 18.6 | 14.2 | 18.8 | 17.5 | 17.9 | 17.9 | 19.4 | 18.1 | 17.9 | 17.4 | 17.5 | 17.9 |
| 482 | 4 | M | 16.6 | 17.9 | 18.1 | 18.4 | 18.0 | 17.4 | 18.1 | 17.6 | 18.6 | 14.2 | 18.8 | 17.5 | 17.9 | 17.9 | 19.4 | 18.1 | 17.9 | 17.4 | 17.5 | 17.9 |
| 483 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 484 | 4 | M | 13.8 | 14.0 | 14.3 | 14.9 | 15.1 | 14.1 | 14.9 | 15.3 | 14.0 | 13.1 | 14.9 | 14.4 | 15.5 | 14.1 | 16.7 | 17.6 | 17.0 | 16.4 | 17.3 | 17.4 |
| 485 | 4 | M | 13.8 | 14.0 | 14.3 | 14.9 | 15.1 | 14.1 | 14.9 | 15.3 | 14.0 | 13.1 | 14.9 | 14.4 | 15.5 | --- | --- | --- | --- | --- | --- | --- |
| 486 | 4 | M | 13.8 | 14.0 | 14.3 | 14.9 | 15.1 | 14.1 | 14.9 | 15.3 | 14.0 | 13.1 | 14.9 | 14.4 | 15.5 | --- | --- | --- | --- | --- | --- | --- |
| 487 | 4 | M | 15.0 | 15.3 | 16.0 | 16.0 | 16.0 | 16.0 | 16.4 | 16.0 | 15.0 | 14.2 | 15.9 | 13.6 | 16.4 | 16.3 | 16.4 | 15.6 | 15.1 | 14.7 | 14.8 | 15.0 |
| 488 | 4 | M | 15.0 | 15.3 | 16.0 | 16.0 | 16.0 | 16.0 | 16.4 | 16.0 | 15.0 | 14.2 | 15.9 | 13.6 | 16.4 | 16.3 | 16.4 | 15.6 | 15.1 | 14.7 | 14.8 | 15.0 |
| 489 | 4 | M | 15.0 | 15.3 | 16.0 | 16.0 | 16.0 | 16.0 | 16.4 | 16.0 | 15.0 | 14.2 | 15.9 | 13.6 | 16.4 | 16.3 | 16.4 | 15.6 | 15.1 | 14.7 | 14.8 | 15.0 |
| 490 | 4 | M | 14.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 491 | 4 | M | 14.4 | 15.1 | 15.4 | 16.3 | 16.8 | 16.9 | 16.2 | 16.5 | 15.8 | 12.6 | 17.7 | 16.8 | 16.9 | 14.9 | 15.3 | 16.7 | 16.9 | 15.9 | 15.7 | 16.4 |
| 492 | 4 | M | 14.4 | 15.1 | 15.4 | 16.3 | 16.8 | 16.9 | 16.2 | 16.5 | 15.8 | 12.6 | 17.7 | 16.8 | 16.9 | 14.9 | --- | --- | --- | --- | --- | --- |
| 493 | 4 | M | 16.3 | 15.2 | 15.7 | 16.0 | 16.3 | 16.1 | 16.6 | 16.0 | 15.7 | 12.3 | 16.6 | 15.2 | 15.6 | 16.1 | 16.8 | 15.6 | 15.5 | 15.2 | 15.4 | 15.3 |
| 494 | 4 | M | 16.3 | 15.2 | 15.7 | 16.0 | 16.3 | 16.1 | 16.6 | 16.0 | 15.7 | 12.3 | 16.6 | 15.2 | 15.6 | 16.1 | 16.8 | 15.6 | 15.5 | 15.2 | 15.4 | 15.3 |
| 495 | 4 | M | 16.3 | 15.2 | 15.7 | 16.0 | 16.3 | 16.1 | 16.6 | 16.0 | 15.7 | 12.3 | 16.6 | 15.2 | 15.6 | 16.1 | 16.8 | 15.6 | 15.5 | 15.2 | 15.4 | 15.3 |
| 496 | 4 | M | 16.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 497 | 4 | M | 16.1 | 16.1 | 16.5 | 17.1 | 17.2 | 17.4 | 17.3 | 16.9 | 16.4 | 17.3 | 16.7 | 16.2 | 16.9 | --- | --- | --- | --- | --- | --- | --- |
| 498 | 4 | M | 16.1 | 16.1 | 16.5 | 17.1 | 17.2 | 17.4 | 17.3 | 16.9 | 16.4 | 17.3 | 16.7 | 16.2 | 16.9 | 15.7 | 17.4 | 19.3 | 18.4 | 16.7 | 17.7 | 18.0 |
| 499 | 4 | M | 15.0 | 16.4 | 16.4 | 16.8 | 15.7 | 16.4 | 17.2 | 16.4 | 16.5 | 13.5 | 16.2 | 15.6 | 16.9 | 17.5 | 16.6 | 17.0 | 16.7 | 15.8 | 15.8 | 17.1 |
| 500 | 4 | M | 15.0 | 16.4 | 16.4 | 16.8 | 15.7 | 16.4 | 17.2 | 16.4 | 16.5 | 13.5 | 16.2 | 15.6 | 16.9 | 17.5 | 16.6 | 17.0 | 16.7 | 15.8 | 15.8 | --- |
| 501 | 4 | M | 15.0 | 16.4 | 16.4 | 16.8 | 15.7 | 16.4 | 17.2 | 16.4 | 16.5 | 13.5 | 16.2 | 15.6 | 16.9 | 17.5 | 16.6 | 17.0 | 16.7 | 15.8 | 15.8 | 17.1 |
| 502 | 4 | M | 16.7 | 16.4 | 16.8 | 14.9 | 17.4 | 17.2 | 17.4 | 17.3 | 17.1 | 12.5 | 17.0 | 16.1 | 18.2 | 18.0 | 17.4 | 15.0 | 16.8 | 16.5 | 16.6 | 15.8 |
| 503 | 4 | M | 16.7 | 16.4 | 16.8 | 14.9 | 17.4 | 17.2 | 17.4 | 17.3 | 17.1 | 12.5 | 17.0 | 16.1 | 18.2 | 18.0 | 17.4 | 15.0 | 16.8 | 16.5 | 16.6 | 15.8 |
| 504 | 4 | M | 16.7 | 16.4 | 16.8 | 14.9 | 17.4 | 17.2 | 17.4 | 17.3 | 17.1 | 12.5 | 17.0 | 16.1 | 18.2 | 18.0 | 17.4 | 15.0 | 16.8 | 16.5 | 16.6 | 15.8 |
| 505 | 4 | M | 15.4 | 16.1 | 16.0 | 16.4 | 15.9 | 16.5 | 16.3 | 16.1 | 15.9 | 16.3 | 15.1 | 15.2 | 16.2 | 16.3 | 16.6 | 15.6 | 15.3 | 15.6 | 15.0 | 15.6 |
| 506 | 4 | M | 15.4 | 16.1 | 16.0 | 16.4 | 15.9 | 16.5 | 16.3 | 16.1 | 15.9 | 16.3 | 15.1 | 15.2 | 16.2 | 16.3 | 16.6 | 15.6 | 15.3 | 15.6 | 15.0 | 15.6 |
| 507 | 4 | M | 15.4 | 16.1 | 16.0 | 16.4 | 15.9 | 16.5 | 16.3 | 16.1 | 15.9 | 16.3 | 15.1 | 15.2 | 16.2 | 16.3 | 16.6 | 15.6 | 15.3 | 15.6 | 15.0 | 15.6 |
| 508 | 4 | M | 13.6 | 14.6 | 14.5 | 14.8 | 14.9 | 15.0 | 15.9 | 14.0 | 14.3 | 15.4 | 13.7 | 14.1 | 14.3 | 16.0 | --- | --- | --- | --- | --- | --- |
| 509 | 4 | M | 13.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 510 | 4 | M | 13.6 | 14.6 | 14.5 | 14.8 | 14.9 | 15.0 | 15.9 | 14.0 | 14.3 | 15.4 | 13.7 | 14.1 | 14.3 | 16.0 | 16.1 | 17.0 | 17.3 | 17.1 | 16.4 | 17.0 |
| 511 | 4 | M | 15.9 | 16.6 | 17.9 | 17.7 | 17.6 | 18.6 | 18.0 | 18.1 | 17.6 | 20.1 | 16.5 | 15.6 | 17.4 | 18.3 | 18.1 | 17.3 | 17.3 | 16.4 | 16.8 | 15.6 |
| 512 | 4 | M | 15.9 | 16.6 | 17.9 | 17.7 | 17.6 | 18.6 | 18.0 | 18.1 | 17.6 | 20.1 | 16.5 | 15.6 | 17.4 | 18.3 | 18.1 | 17.3 | 17.3 | 16.4 | 16.8 | 15.6 |
| 513 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 514 | 4 | M | 13.8 | 16.1 | 18.3 | 18.9 | 18.1 | 19.4 | 18.4 | 17.7 | 17.1 | 18.6 | 16.7 | 17.3 | 19.1 | 17.4 | 17.3 | 17.4 | 16.7 | 16.9 | 15.4 | 16.9 |
| 515 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 516 | 4 | M | 13.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 517 | 4 | M | 16.5 | 16.7 | 16.8 | 17.0 | 16.8 | 17.1 | 15.9 | 17.5 | 18.0 | 11.2 | 19.4 | 16.6 | 18.0 | --- | --- | --- | --- | --- | --- | --- |
| 518 | 4 | M | 16.5 | 16.7 | 16.8 | 17.0 | 16.8 | 17.1 | 15.9 | 17.5 | 18.0 | 11.2 | 19.4 | 16.6 | 18.0 | 17.7 | 19.6 | 18.4 | 17.6 | 16.1 | 16.6 | 17.3 |
| 519 | 4 | M | 16.5 | 16.7 | 16.8 | 17.0 | 16.8 | 17.1 | 15.9 | 17.5 | 18.0 | 11.2 | 19.4 | 16.6 | 18.0 | 17.7 | 19.6 | 18.4 | 17.6 | 16.1 | 16.6 | 17.3 |
| 520 | 4 | M | 15.4 | 15.4 | 16.0 | 16.6 | 16.5 | 16.1 | 15.9 | 16.0 | 15.9 | 13.2 | 16.1 | 15.3 | 16.7 | 17.5 | 17.7 | 16.5 | 15.0 | 15.3 | 15.4 | 15.6 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 521 | 4 | M | 15.4 | 15.4 | 16.0 | 16.6 | 16.5 | 16.1 | 15.9 | 16.0 | 15.9 | 13.2 | 16.1 | 15.3 | 16.7 | 17.5 | 17.7 | 16.5 | 15.0 | 15.3 | 15.4 | 15.6 |
| 522 | 4 | M | 15.4 | 15.4 | 16.0 | 16.6 | 16.5 | 16.1 | 15.9 | 16.0 | 15.9 | 13.2 | 16.1 | 15.3 | 16.7 | 17.5 | 17.7 | 16.5 | 15.0 | 15.3 | 15.4 | 15.6 |
| 523 | 4 | M | 16.0 | 16.4 | 16.7 | 17.0 | 17.0 | 16.9 | 17.8 | 17.1 | 16.8 | 13.5 | 15.2 | 15.1 | 17.6 | 17.2 | 16.3 | 16.1 | 15.9 | 15.4 | 16.6 | 16.0 |
| 524 | 4 | M | 16.0 | 16.4 | 16.7 | 17.0 | 17.0 | 16.9 | 17.8 | 17.1 | 16.8 | 13.5 | 15.2 | 15.1 | 17.6 | 17.2 | 16.3 | 16.1 | 15.9 | 15.4 | 16.6 | 16.0 |
| 525 | 4 | M | 16.0 | 16.4 | 16.7 | 17.0 | 17.0 | 16.9 | 17.8 | 17.1 | 16.8 | 13.5 | 15.2 | 15.1 | 17.6 | 17.2 | 16.3 | 16.1 | 15.9 | 15.4 | 16.6 | 16.0 |
| 526 | 4 | F | 9.0 | 9.4 | 9.7 | 9.2 | 10.1 | 10.5 | 10.7 | 10.3 | 10.2 | 10.1 | 11.4 | 9.9 | 10.9 | 10.4 | 10.5 | 11.1 | 10.9 | 10.6 | 10.7 | 11.1 |
| 527 | 4 | F | 9.0 | 9.4 | 9.7 | 9.2 | 10.1 | 10.5 | 10.7 | 10.3 | 10.2 | 10.1 | 11.4 | 9.9 | 10.9 | 10.4 | --- | --- | --- | --- | --- | --- |
| 528 | 4 | F | 9.0 | 9.4 | 9.7 | 9.2 | 10.1 | 10.5 | 10.7 | 10.3 | 10.2 | 10.1 | 11.4 | 9.9 | 10.9 | 10.4 | 10.5 | 11.1 | 10.9 | 10.6 | 10.7 | 11.1 |
| 529 | 4 | F | 9.2 | 9.6 | 9.8 | 9.3 | 9.9 | 10.6 | 10.4 | 10.3 | 10.7 | 10.3 | 11.3 | 8.9 | 10.0 | --- | --- | --- | --- | --- | --- | --- |
| 530 | 4 | F | 9.2 | 9.6 | 9.8 | 9.3 | 9.9 | 10.6 | 10.4 | 10.3 | 10.7 | 10.3 | 11.3 | 8.9 | 10.0 | 10.9 | 12.0 | 12.9 | 12.3 | 12.9 | 13.7 | 13.7 |
| 531 | 4 | F | 9.2 | 9.6 | 9.8 | 9.3 | 9.9 | 10.6 | 10.4 | 10.3 | 10.7 | 10.3 | 11.3 | 8.9 | 10.0 | --- | --- | --- | --- | --- | --- | --- |
| 532 | 4 | F | 9.5 | 10.2 | 10.0 | 10.2 | 10.1 | 10.3 | 10.4 | 11.0 | 10.6 | 10.2 | 11.7 | 10.7 | 10.9 | 10.4 | 11.9 | 11.3 | 11.1 | 11.2 | 10.6 | 10.9 |
| 533 | 4 | F | 9.5 | 10.2 | 10.0 | 10.2 | 10.1 | 10.3 | 10.4 | 11.0 | 10.6 | 10.2 | 11.7 | 10.7 | 10.9 | 10.4 | 11.9 | 11.3 | 11.1 | 11.2 | 10.6 | 10.9 |
| 534 | 4 | F | 9.5 | 10.2 | 10.0 | 10.2 | 10.1 | 10.3 | 10.4 | 11.0 | 10.6 | 10.2 | 11.7 | 10.7 | 10.9 | 10.4 | 11.9 | 11.3 | 11.1 | 11.2 | 10.6 | 10.9 |
| 535 | 4 | F | 9.7 | 10.5 | 11.4 | 11.8 | 11.6 | 13.0 | 11.7 | 11.7 | 11.9 | 12.1 | 11.8 | 11.4 | 10.7 | 11.9 | 12.7 | 12.8 | 12.7 | 12.6 | 11.3 | 12.2 |
| 536 | 4 | F | 9.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 537 | 4 | F | 9.7 | 10.5 | 11.4 | 11.8 | 11.6 | 13.0 | 11.7 | 11.7 | 11.9 | 12.1 | 11.8 | 11.4 | 10.7 | 11.9 | 12.7 | 12.8 | 12.7 | 12.6 | 11.3 | 12.2 |
| 538 | 4 | F | 10.2 | 10.3 | 10.9 | 11.0 | 10.5 | 11.6 | 10.6 | 11.0 | 11.0 | 10.9 | 12.7 | 11.1 | 11.4 | --- | --- | --- | --- | --- | --- | --- |
| 539 | 4 | F | 10.2 | 10.3 | 10.9 | 11.0 | 10.5 | 11.6 | 10.6 | 11.0 | 11.0 | 10.9 | 12.7 | 11.1 | 11.4 | 12.3 | 13.3 | 12.7 | 12.4 | 12.7 | 13.0 | 12.5 |
| 540 | 4 | F | 10.2 | 10.3 | 10.9 | 11.0 | 10.5 | 11.6 | 10.6 | 11.0 | 11.0 | 10.9 | 12.7 | 11.1 | 11.4 | 12.3 | 13.3 | 12.7 | 12.4 | 12.7 | 13.0 | 12.5 |
| 541 | 4 | F | 9.4 | 10.0 | 10.7 | 10.9 | 11.1 | 11.0 | 11.4 | 11.4 | 10.6 | 11.5 | 11.9 | 11.7 | 11.6 | 12.2 | 13.0 | 13.1 | 12.1 | 12.7 | 12.4 | 12.3 |
| 542 | 4 | F | 9.4 | 10.0 | 10.7 | 10.9 | 11.1 | 11.0 | 11.4 | 11.4 | 10.6 | 11.5 | 11.9 | 11.7 | 11.6 | 12.2 | --- | --- | --- | --- | --- | --- |
| 543 | 4 | F | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 544 | 4 | F | 8.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 545 | 4 | F | 8.4 | 9.7 | 10.3 | 10.0 | 10.4 | 10.3 | 10.9 | 10.9 | 10.2 | 9.4 | 11.4 | 10.7 | 11.1 | 11.1 | 11.0 | 12.5 | 11.3 | 11.9 | 11.7 | 11.8 |
| 546 | 4 | F | 8.4 | 9.7 | 10.3 | 10.0 | 10.4 | 10.3 | 10.9 | 10.9 | 10.2 | 9.4 | 11.4 | 10.7 | 11.1 | 11.1 | 11.0 | 12.5 | 11.3 | 11.9 | 11.7 | 11.8 |
| 547 | 4 | F | 9.9 | 10.2 | 10.9 | 11.8 | 11.6 | 11.6 | 11.1 | 11.5 | 11.9 | 12.0 | 11.1 | 11.2 | 11.9 | 11.5 | 12.8 | 12.6 | 11.8 | 11.9 | 12.1 | 11.5 |
| 548 | 4 | F | 9.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 549 | 4 | F | 9.9 | 10.2 | 10.9 | 11.8 | 11.6 | 11.6 | 11.1 | 11.5 | 11.9 | 12.0 | 11.1 | 11.2 | 11.9 | 11.5 | 12.8 | 12.6 | 11.8 | 11.9 | 12.1 | 11.5 |
| 550 | 4 | F | 10.9 | 10.6 | 11.6 | 11.7 | 11.2 | 11.1 | 11.3 | 12.1 | 12.2 | 11.9 | 10.9 | 11.5 | 11.9 | 13.0 | 13.3 | 12.8 | 11.6 | 12.1 | 12.5 | 12.4 |
| 551 | 4 | F | 10.9 | 10.6 | 11.6 | 11.7 | 11.2 | 11.1 | 11.3 | 12.1 | 12.2 | 11.9 | 10.9 | 11.5 | 11.9 | 13.0 | 13.3 | 12.8 | 11.6 | 12.1 | 12.5 | 12.4 |
| 552 | 4 | F | 10.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 553 | 4 | F | 9.9 | 10.6 | 10.0 | 10.8 | 10.4 | 11.1 | 11.1 | 11.2 | 10.7 | 11.1 | 11.5 | 10.8 | 11.0 | 11.0 | 9.4 | 10.9 | 12.0 | 12.0 | 11.2 | 11.9 |
| 554 | 4 | F | 9.9 | 10.6 | 10.0 | 10.8 | 10.4 | 11.1 | 11.1 | 11.2 | 10.7 | 11.1 | 11.5 | 10.8 | 11.0 | 11.0 | 9.4 | 10.9 | 12.0 | 12.0 | 11.2 | 11.9 |
| 555 | 4 | F | 9.9 | 10.6 | 10.0 | 10.8 | 10.4 | 11.1 | 11.1 | 11.2 | 10.7 | 11.1 | 11.5 | 10.8 | 11.0 | --- | --- | --- | --- | --- | --- | --- |
| 556 | 4 | F | 10.2 | 9.9 | 10.6 | 10.4 | 10.0 | 10.8 | 10.6 | 10.7 | 10.0 | 8.2 | 9.6 | 9.2 | 11.0 | 11.3 | 13.1 | 11.1 | 11.4 | 11.1 | 11.7 | 12.1 |
| 557 | 4 | F | 10.2 | 9.9 | 10.6 | 10.4 | 10.0 | 10.8 | 10.6 | 10.7 | 10.0 | 8.2 | 9.6 | 9.2 | 11.0 | 11.3 | --- | --- | --- | --- | --- | --- |
| 558 | 4 | F | 10.2 | 9.9 | 10.6 | 10.4 | 10.0 | 10.8 | 10.6 | 10.7 | 10.0 | 8.2 | 9.6 | 9.2 | 11.0 | 11.3 | 13.1 | 11.1 | 11.4 | 11.1 | 11.7 | 12.1 |
| 559 | 4 | F | 9.4 | 10.1 | 10.6 | 11.5 | 10.3 | 10.9 | 11.7 | 12.0 | 11.6 | 8.6 | 10.1 | 10.1 | 11.8 | 11.1 | 10.7 | 11.7 | 11.7 | 11.0 | 11.7 | 12.7 |
| 560 | 4 | F | 9.4 | 10.1 | 10.6 | 11.5 | 10.3 | 10.9 | 11.7 | 12.0 | 11.6 | 8.6 | 10.1 | 10.1 | 11.8 | 11.1 | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 4 | F | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 562 | 4 | F | 9.8 | 10.1 | 10.3 | 10.7 | 10.8 | 10.4 | 11.3 | 11.0 | 10.7 | 12.2 | 9.7 | 10.0 | 11.2 | 11.0 | 11.9 | 11.2 | 10.9 | 10.5 | 11.0 | 11.0 |
| 563 | 4 | F | 9.8 | 10.1 | 10.3 | 10.7 | 10.8 | 10.4 | 11.3 | 11.0 | 10.7 | 12.2 | 9.7 | 10.0 | 11.2 | 11.0 | 11.9 | 11.2 | 10.9 | 10.5 | 11.0 | 11.0 |
| 564 | 4 | F | 9.8 | 10.1 | 10.3 | 10.7 | 10.8 | 10.4 | 11.3 | 11.0 | 10.7 | 12.2 | 9.7 | 10.0 | 11.2 | 11.0 | 11.9 | 11.2 | 10.9 | 10.5 | 11.0 | 11.0 |
| 565 | 4 | F | 11.0 | 10.1 | 10.0 | 10.3 | 10.7 | 10.7 | 11.9 | 11.8 | 11.4 | 10.6 | 7.9 | 11.2 | 10.1 | 11.1 | 11.7 | 11.9 | 11.4 | 11.6 | 7.0 | 13.1 |
| 566 | 4 | F | 11.0 | 10.1 | 10.0 | 10.3 | 10.7 | 10.7 | 11.9 | 11.8 | 11.4 | 10.6 | 7.9 | 11.2 | 10.1 | --- | --- | --- | --- | --- | --- | --- |
| 567 | 4 | F | 11.0 | 10.1 | 10.0 | 10.3 | 10.7 | 10.7 | 11.9 | 11.8 | 11.4 | 10.6 | 7.9 | 11.2 | 10.1 | --- | --- | --- | --- | --- | --- | --- |
| 568 | 4 | F | 9.5 | 10.2 | 10.6 | 11.3 | 11.1 | 10.6 | 11.3 | 11.3 | 11.0 | 10.2 | 10.4 | 10.0 | 11.2 | 11.8 | 11.6 | 10.9 | 10.5 | 10.6 | 10.3 | 11.3 |
| 569 | 4 | F | 9.5 | 10.2 | 10.6 | 11.3 | 11.1 | 10.6 | 11.3 | 11.3 | 11.0 | 10.2 | 10.4 | 10.0 | 11.2 | 11.8 | 11.6 | 10.9 | 10.5 | 10.6 | 10.3 | 11.3 |
| 570 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 571 | 4 | F | 9.0 | 9.2 | 9.3 | 10.2 | 9.7 | 10.0 | 10.2 | 10.3 | 10.1 | 8.7 | 10.3 | 9.5 | 10.8 | 11.0 | 11.5 | 11.0 | 11.1 | 11.1 | 10.5 | 11.3 |
| 572 | 4 | F | 9.0 | 9.2 | 9.3 | 10.2 | 9.7 | 10.0 | 10.2 | 10.3 | 10.1 | 8.7 | 10.3 | 9.5 | 10.8 | 11.0 | 11.5 | 11.0 | 11.1 | 11.1 | 10.5 | 11.3 |
| 573 | 4 | F | 9.0 | 9.2 | 9.3 | 10.2 | 9.7 | 10.0 | 10.2 | 10.3 | 10.1 | 8.7 | 10.3 | 9.5 | 10.8 | 11.0 | 11.5 | 11.0 | 11.1 | 11.1 | 10.5 | 11.3 |
| 574 | 4 | F | 9.7 | 10.0 | 10.5 | 10.7 | 10.1 | 10.7 | 12.0 | 11.8 | 10.6 | 10.7 | 10.1 | 10.0 | 10.8 | 11.1 | 11.0 | 10.9 | 10.8 | 11.1 | 10.7 | 10.9 |
| 575 | 4 | F | 9.7 | 10.0 | 10.5 | 10.7 | 10.1 | 10.7 | 12.0 | 11.8 | 10.6 | 10.7 | 10.1 | 10.0 | 10.8 | 11.1 | 11.0 | 10.9 | 10.8 | 11.1 | 10.7 | 10.9 |
| 576 | 4 | F | 9.7 | 10.0 | 10.5 | 10.7 | 10.1 | 10.7 | 12.0 | 11.8 | 10.6 | 10.7 | 10.1 | 10.0 | 10.8 | 11.1 | 11.0 | 10.9 | 10.8 | 11.1 | 10.7 | 10.9 |
| 577 | 4 | F | 10.1 | 11.0 | 10.9 | 11.0 | 11.0 | 12.1 | 11.8 | 12.1 | 11.2 | 12.1 | 10.9 | 10.9 | 12.4 | 12.2 | 12.2 | 11.9 | 11.5 | 12.0 | 12.1 | 11.4 |
| 578 | 4 | F | 10.1 | 11.0 | 10.9 | 11.0 | 11.0 | 12.1 | 11.8 | 12.1 | 11.2 | 12.1 | 10.9 | 10.9 | 12.4 | 12.2 | 12.2 | 11.9 | 11.5 | 12.0 | 12.1 | 11.4 |
| 579 | 4 | F | 10.1 | 11.0 | 10.9 | 11.0 | 11.0 | 12.1 | 11.8 | 12.1 | 11.2 | 12.1 | 10.9 | 10.9 | 12.4 | 12.2 | 12.2 | 11.9 | 11.5 | 12.0 | 12.1 | 11.4 |
| 580 | 4 | F | 8.3 | 10.9 | 9.6 | 11.0 | 10.5 | 10.0 | 11.0 | 11.5 | 11.1 | 10.0 | 10.6 | 10.5 | 11.1 | 12.2 | 12.2 | 11.9 | 11.7 | 11.6 | 11.1 | 11.1 |
| 581 | 4 | F | 8.3 | 10.9 | 9.6 | 11.0 | 10.5 | 10.0 | 11.0 | 11.5 | 11.1 | 10.0 | 10.6 | 10.5 | 11.1 | 12.2 | 12.2 | 11.9 | 11.7 | 11.6 | 11.1 | 11.1 |
| 582 | 4 | F | 8.3 | 10.9 | 9.6 | 11.0 | 10.5 | 10.0 | 11.0 | 11.5 | 11.1 | 10.0 | 10.6 | 10.5 | 11.1 | 12.2 | 12.2 | 11.9 | 11.7 | 11.6 | 11.1 | 11.1 |
| 583 | 4 | F | 9.8 | 9.9 | 10.4 | 10.9 | 10.7 | 11.0 | 11.9 | 11.9 | 10.7 | 10.7 | 10.7 | 10.9 | 12.1 | 12.7 | 12.4 | 12.0 | 11.3 | 11.1 | 11.4 | 11.9 |
| 584 | 4 | F | 9.8 | 9.9 | 10.4 | 10.9 | 10.7 | 11.0 | 11.9 | 11.9 | 10.7 | 10.7 | 10.7 | 10.9 | 12.1 | 12.7 | 12.4 | 12.0 | 11.3 | 11.1 | 11.4 | 11.9 |
| 585 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 586 | 4 | F | 9.4 | 11.3 | 11.1 | 12.7 | 11.3 | 8.9 | 11.3 | 12.2 | 11.4 | 11.4 | 11.1 | 11.4 | 12.5 | 13.0 | 12.9 | 12.9 | 11.8 | 11.7 | 11.2 | 11.6 |
| 587 | 4 | F | 9.4 | 11.3 | 11.1 | 12.7 | 11.3 | 8.9 | 11.3 | 12.2 | 11.4 | 11.4 | 11.1 | 11.4 | 12.5 | 13.0 | 12.9 | 12.9 | 11.8 | 11.7 | 11.2 | 11.6 |
| 588 | 4 | F | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 589 | 4 | F | 9.4 | 10.2 | 10.0 | 10.2 | 10.2 | 10.7 | 11.0 | 11.1 | 10.4 | 10.9 | 10.1 | 10.6 | 11.1 | 12.0 | 12.1 | 12.0 | 11.3 | 11.2 | 10.9 | 11.5 |
| 590 | 4 | F | 9.4 | 10.2 | 10.0 | 10.2 | 10.2 | 10.7 | 11.0 | 11.1 | 10.4 | 10.9 | 10.1 | 10.6 | 11.1 | 12.0 | 12.1 | 12.0 | 11.3 | 11.2 | 10.9 | 11.5 |
| 591 | 4 | F | 9.4 | 10.2 | 10.0 | 10.2 | 10.2 | 10.7 | 11.0 | 11.1 | 10.4 | 10.9 | 10.1 | 10.6 | 11.1 | 12.0 | 12.1 | 12.0 | 11.3 | 11.2 | 10.9 | 11.5 |
| 592 | 4 | F | 10.1 | 10.4 | 10.0 | 12.0 | 10.6 | 11.1 | 11.8 | 11.9 | 11.0 | 11.8 | 10.2 | 10.5 | 11.5 | 12.4 | 12.8 | 11.2 | 11.4 | 11.1 | 10.7 | 11.1 |
| 593 | 4 | F | 10.1 | 10.4 | 10.0 | 12.0 | 10.6 | 11.1 | 11.8 | 11.9 | 11.0 | 11.8 | 10.2 | 10.5 | 11.5 | 12.4 | 12.8 | 11.2 | 11.4 | 11.1 | 10.7 | 11.1 |
| 594 | 4 | F | 10.1 | 10.4 | 10.0 | 12.0 | 10.6 | 11.1 | 11.8 | 11.9 | 11.0 | 11.8 | 10.2 | 10.5 | 11.5 | 12.4 | 12.8 | 11.2 | 11.4 | 11.1 | 10.7 | 11.1 |
| 595 | 4 | F | 8.9 | 10.0 | 11.7 | 10.6 | 9.8 | 10.0 | 10.7 | 11.1 | 11.2 | 10.7 | 10.0 | 10.7 | 11.6 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.1 | 11.2 |
| 596 | 4 | F | 8.9 | 10.0 | 11.7 | 10.6 | 9.8 | 10.0 | 10.7 | 11.1 | 11.2 | 10.7 | 10.0 | 10.7 | 11.6 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.1 | 11.2 |
| 597 | 4 | F | 8.9 | 10.0 | 11.7 | 10.6 | 9.8 | 10.0 | 10.7 | 11.1 | 11.2 | 10.7 | 10.0 | 10.7 | 11.6 | 11.2 | 11.4 | 11.0 | 10.6 | 10.6 | 11.1 | 11.2 |
| 598 | 4 | F | 9.8 | 11.6 | 11.3 | 11.6 | 11.2 | 12.4 | 12.2 | 12.7 | 12.3 | 12.4 | 11.1 | 11.4 | 12.9 | 13.4 | 12.8 | 13.0 | 12.9 | 11.4 | 12.5 | 12.9 |
| 599 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 600 | 4 | F | 9.8 | 11.6 | 11.3 | 11.6 | 11.2 | 12.4 | 12.2 | 12.7 | 12.3 | 12.4 | 11.1 | 11.4 | 12.9 | 13.4 | 12.8 | 13.0 | 12.9 | 11.4 | 12.5 | 12.9 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 601 | 5 | M | 14.5 | 14.6 | 15.0 | 15.3 | 15.4 | 15.9 | 15.5 | 15.6 | 15.3 | 15.4 | 12.0 | 16.8 | 14.8 | 16.4 | 16.4 | 15.6 | 15.9 | 15.0 | 15.1 | 15.5 |
| 602 | 5 | M | 14.5 | 14.6 | 15.0 | 15.3 | 15.4 | 15.9 | 15.5 | 15.6 | 15.3 | 15.4 | 12.0 | 16.8 | 14.8 | 16.4 | 16.4 | 15.6 | 15.9 | 15.0 | 15.1 | 15.5 |
| 603 | 5 | M | 14.5 | 14.6 | 15.0 | 15.3 | 15.4 | 15.9 | 15.5 | 15.6 | 15.3 | 15.4 | 12.0 | 16.8 | 14.8 | --- | --- | --- | --- | --- | --- | --- |
| 604 | 5 | M | 14.2 | 14.6 | 15.2 | 14.9 | 14.8 | 15.7 | 15.8 | 14.8 | 15.2 | 15.0 | 11.7 | 15.9 | 15.4 | 15.9 | 15.3 | 16.0 | 16.0 | 15.3 | 14.4 | 15.7 |
| 605 | 5 | M | 14.2 | 14.6 | 15.2 | 14.9 | 14.8 | 15.7 | 15.8 | 14.8 | 15.2 | 15.0 | 11.7 | 15.9 | 15.4 | --- | --- | --- | --- | --- | --- | --- |
| 606 | 5 | M | 14.2 | 14.6 | 15.2 | 14.9 | 14.8 | 15.7 | 15.8 | 14.8 | 15.2 | 15.0 | 11.7 | 15.9 | 15.4 | 15.9 | --- | --- | --- | --- | --- | --- |
| 607 | 5 | M | 14.5 | 14.8 | 15.3 | 15.1 | 15.0 | 15.7 | 15.7 | 15.7 | 16.1 | 14.9 | 13.0 | 15.8 | 15.8 | --- | --- | --- | --- | --- | --- | --- |
| 608 | 5 | M | 14.5 | 14.8 | 15.3 | 15.1 | 15.0 | 15.7 | 15.7 | 15.7 | 16.1 | 14.9 | 13.0 | 15.8 | 15.8 | 16.9 | 16.2 | 15.6 | 15.7 | 14.6 | 15.1 | 15.4 |
| 609 | 5 | M | 14.5 | 14.8 | 15.3 | 15.1 | 15.0 | 15.7 | 15.7 | 15.7 | 16.1 | 14.9 | 13.0 | 15.8 | 15.8 | 16.9 | 16.2 | 15.6 | 15.7 | 14.6 | 15.1 | 15.4 |
| 610 | 5 | M | 15.0 | 14.3 | 15.1 | 15.5 | 15.7 | 16.1 | 16.1 | 15.2 | 16.3 | 15.1 | 13.5 | 15.5 | 15.7 | 15.0 | 15.5 | 15.0 | 15.1 | 14.1 | 14.3 | 14.2 |
| 611 | 5 | M | 15.0 | 14.3 | 15.1 | 15.5 | 15.7 | 16.1 | 16.1 | 15.2 | 16.3 | 15.1 | 13.5 | 15.5 | 15.7 | 15.0 | 15.5 | 15.0 | 15.1 | 14.1 | 14.3 | 14.2 |
| 612 | 5 | M | 15.0 | 14.3 | 15.1 | 15.5 | 15.7 | 16.1 | 16.1 | 15.2 | 16.3 | 15.1 | 13.5 | 15.5 | 15.7 | 15.0 | 15.5 | 15.0 | 15.1 | 14.1 | 14.3 | 14.2 |
| 613 | 5 | M | 13.5 | 13.7 | 14.2 | 14.6 | 14.6 | 15.0 | 14.3 | 14.5 | 14.7 | 14.6 | 14.5 | 14.4 | 15.4 | 15.4 | 15.9 | 15.7 | 15.4 | 15.2 | 15.0 | 16.4 |
| 614 | 5 | M | 13.5 | 13.7 | 14.2 | 14.6 | 14.6 | 15.0 | 14.3 | 14.5 | 14.7 | 14.6 | 14.5 | 14.4 | 15.4 | --- | --- | --- | --- | --- | --- | --- |
| 615 | 5 | M | 13.5 | 13.7 | 14.2 | 14.6 | 14.6 | 15.0 | 14.3 | 14.5 | 14.7 | 14.6 | 14.5 | 14.4 | 15.4 | 15.4 | 15.9 | 15.7 | 15.4 | 15.2 | 15.0 | 16.4 |
| 616 | 5 | M | 15.2 | 15.3 | 16.1 | 15.4 | 15.6 | 15.4 | 15.9 | 15.8 | 15.7 | 15.3 | 14.2 | 16.6 | 15.6 | 16.6 | 20.5 | 14.6 | 14.9 | 14.6 | 14.2 | 14.9 |
| 617 | 5 | M | 15.2 | 15.3 | 16.1 | 15.4 | 15.6 | 15.4 | 15.9 | 15.8 | 15.7 | 15.3 | 14.2 | 16.6 | 15.6 | 16.6 | 20.5 | 14.6 | 14.9 | 14.6 | 14.2 | 14.9 |
| 618 | 5 | M | 15.2 | 15.3 | 16.1 | 15.4 | 15.6 | 15.4 | 15.9 | 15.8 | 15.7 | 15.3 | 14.2 | 16.6 | 15.6 | 16.6 | 20.5 | 14.6 | 14.9 | 14.6 | 14.2 | 14.9 |
| 619 | 5 | M | 14.9 | 15.4 | 14.9 | 15.4 | 16.1 | 16.1 | 16.3 | 15.4 | 15.6 | 14.0 | 16.2 | 15.9 | 16.0 | 15.9 | --- | --- | --- | --- | --- | --- |
| 620 | 5 | M | 14.9 | 15.4 | 14.9 | 15.4 | 16.1 | 16.1 | 16.3 | 15.4 | 15.6 | 14.0 | 16.2 | 15.9 | 16.0 | 15.9 | 16.0 | 15.6 | 15.9 | 14.6 | 14.9 | 15.4 |
| 621 | 5 | M | 14.9 | 15.4 | 14.9 | 15.4 | 16.1 | 16.1 | 16.3 | 15.4 | 15.6 | 14.0 | 16.2 | 15.9 | 16.0 | 15.9 | 16.0 | 15.6 | 15.9 | 14.6 | 14.9 | 15.4 |
| 622 | 5 | M | 14.4 | 15.4 | 15.7 | 15.6 | 15.7 | 15.9 | 15.9 | 15.9 | 15.4 | 14.3 | 17.9 | 15.0 | 16.0 | 15.9 | 15.8 | 16.0 | 16.4 | 14.9 | 15.1 | 15.6 |
| 623 | 5 | M | 14.4 | 15.4 | 15.7 | 15.6 | 15.7 | 15.9 | 15.9 | 15.9 | 15.4 | 14.3 | 17.9 | 15.0 | 16.0 | 15.9 | 15.8 | 16.0 | 16.4 | 14.9 | 15.1 | 15.6 |
| 624 | 5 | M | 14.4 | 15.4 | 15.7 | 15.6 | 15.7 | 15.9 | 15.9 | 15.9 | 15.4 | 14.3 | 17.9 | 15.0 | 16.0 | 15.9 | 15.8 | 16.0 | 16.4 | 14.9 | 15.1 | 15.6 |
| 625 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 626 | 5 | M | 13.7 | 15.5 | 15.4 | 15.8 | 15.9 | 16.3 | 15.4 | 15.2 | 15.6 | 15.6 | 16.4 | 15.7 | 15.8 | 16.0 | 15.8 | 15.6 | 15.5 | 14.5 | 14.9 | 14.4 |
| 627 | 5 | M | 13.7 | 15.5 | 15.4 | 15.8 | 15.9 | 16.3 | 15.4 | 15.2 | 15.6 | 15.6 | 16.4 | 15.7 | 15.8 | 16.0 | 15.8 | 15.6 | 15.5 | 14.5 | 14.9 | 14.4 |
| 628 | 5 | M | 13.6 | 14.3 | 13.8 | 14.4 | 14.9 | 15.3 | 14.1 | 15.3 | 14.3 | 12.9 | 12.7 | 15.4 | 14.9 | 15.3 | 15.1 | 14.8 | 14.8 | 13.9 | 13.3 | 12.3 |
| 629 | 5 | M | 13.6 | 14.3 | 13.8 | 14.4 | 14.9 | 15.3 | 14.1 | 15.3 | 14.3 | 12.9 | 12.7 | 15.4 | 14.9 | 15.3 | 15.1 | 14.8 | 14.8 | 13.9 | 13.3 | 12.3 |
| 630 | 5 | M | 13.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 631 | 5 | M | 14.9 | 14.7 | 14.7 | 15.4 | 15.7 | 15.8 | 15.1 | 15.5 | 16.1 | 15.3 | 17.2 | 14.9 | 15.6 | 15.3 | 14.8 | 13.9 | 13.0 | 12.4 | 12.4 | 12.1 |
| 632 | 5 | M | 14.9 | 14.7 | 14.7 | 15.4 | 15.7 | 15.8 | 15.1 | 15.5 | 16.1 | 15.3 | 17.2 | 14.9 | 15.6 | 15.3 | 14.8 | 13.9 | 13.0 | 12.4 | 12.4 | 12.1 |
| 633 | 5 | M | 14.9 | 14.7 | 14.7 | 15.4 | 15.7 | 15.8 | 15.1 | 15.5 | 16.1 | 15.3 | 17.2 | 14.9 | 15.6 | 15.3 | 14.8 | 13.9 | 13.0 | 12.4 | 12.4 | 12.1 |
| 634 | 5 | M | 12.9 | 12.9 | 13.6 | 13.7 | 13.9 | 13.7 | 14.4 | 14.4 | 13.6 | 12.3 | 15.9 | 13.3 | 14.1 | --- | --- | --- | --- | --- | --- | --- |
| 635 | 5 | M | 12.9 | 12.9 | 13.6 | 13.7 | 13.9 | 13.7 | 14.4 | 14.4 | 13.6 | 12.3 | 15.9 | 13.3 | 14.1 | 13.5 | 13.9 | 13.8 | 13.9 | 12.7 | 13.3 | 13.5 |
| 636 | 5 | M | 12.9 | 12.9 | 13.6 | 13.7 | 13.9 | 13.7 | 14.4 | 14.4 | 13.6 | 12.3 | 15.9 | 13.3 | 14.1 | 13.5 | 13.9 | 13.8 | 13.9 | 12.7 | 13.3 | 13.5 |
| 637 | 5 | M | 15.1 | 15.3 | 14.9 | 15.2 | 14.0 | 15.6 | 15.7 | 15.2 | 15.3 | --- | 17.0 | 14.9 | 15.4 | 16.0 | 15.5 | 14.6 | 15.6 | 14.6 | 14.3 | 14.6 |
| 638 | 5 | M | 15.1 | 15.3 | 14.9 | 15.2 | 14.0 | 15.6 | 15.7 | 15.2 | 15.3 | --- | 17.0 | 14.9 | 15.4 | 16.0 | 15.5 | 14.6 | 15.6 | 14.6 | 14.3 | 14.6 |
| 639 | 5 | M | 15.1 | 15.3 | 14.9 | 15.2 | 14.0 | 15.6 | 15.7 | 15.2 | 15.3 | --- | 17.0 | 14.9 | 15.4 | 16.0 | 15.5 | 14.6 | 15.6 | 14.6 | 14.3 | 14.6 |
| 640 | 5 | M | 14.3 | 14.9 | 16.1 | 16.3 | 17.3 | 16.4 | 17.6 | 16.3 | 16.4 | 14.6 | 17.1 | 16.0 | 16.8 | 16.9 | 15.9 | 16.5 | 15.9 | 16.1 | 14.9 | 15.5 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 5 | M | 14.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 642 | 5 | M | 14.3 | 14.9 | 16.1 | 16.3 | 17.3 | 16.4 | 17.6 | 16.3 | 16.4 | 14.6 | 17.1 | 16.0 | 16.8 | 16.9 | 15.9 | 16.5 | 15.9 | 16.1 | 14.9 | 15.5 |
| 643 | 5 | M | 15.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 644 | 5 | M | 15.2 | 15.1 | 15.4 | 16.4 | 16.2 | 16.0 | 16.4 | 15.4 | 16.0 | 16.0 | 16.5 | 15.1 | 15.9 | 16.3 | 16.2 | 15.6 | 15.4 | 14.8 | 14.7 | 15.1 |
| 645 | 5 | M | 15.2 | 15.1 | 15.4 | 16.4 | 16.2 | 16.0 | 16.4 | 15.4 | 16.0 | 16.0 | 16.5 | 15.1 | 15.9 | 16.3 | 16.2 | 15.6 | 15.4 | 14.8 | 14.7 | 15.1 |
| 646 | 5 | M | 14.3 | 14.7 | 15.2 | 15.3 | 14.9 | 16.0 | 15.7 | 15.0 | 15.6 | 13.8 | 15.2 | 14.9 | 15.3 | 15.8 | 15.0 | 14.9 | 14.8 | 14.4 | 14.0 | 14.7 |
| 647 | 5 | M | 14.3 | 14.7 | 15.2 | 15.3 | 14.9 | 16.0 | 15.7 | 15.0 | 15.6 | 13.8 | 15.2 | 14.9 | 15.3 | 15.8 | 15.0 | 14.9 | 14.8 | 14.4 | 14.0 | 14.7 |
| 648 | 5 | M | 14.3 | 14.7 | 15.2 | 15.3 | 14.9 | 16.0 | 15.7 | 15.0 | 15.6 | 13.8 | 15.2 | 14.9 | 15.3 | 15.8 | 15.0 | 14.9 | 14.8 | 14.4 | 14.0 | 14.7 |
| 649 | 5 | M | 14.3 | 15.1 | 14.9 | 15.2 | 15.4 | 15.2 | 16.0 | 15.8 | 15.8 | 12.7 | 14.6 | 14.9 | 15.9 | 16.1 | 15.3 | 15.4 | 14.5 | 14.2 | 14.4 | 14.1 |
| 650 | 5 | M | 14.3 | 15.1 | 14.9 | 15.2 | 15.4 | 15.2 | 16.0 | 15.8 | 15.8 | 12.7 | 14.6 | 14.9 | 15.9 | 16.1 | 15.3 | 15.4 | 14.5 | 14.2 | 14.4 | 14.1 |
| 651 | 5 | M | 14.3 | 15.1 | 14.9 | 15.2 | 15.4 | 15.2 | 16.0 | 15.8 | 15.8 | 12.7 | 14.6 | 14.9 | 15.9 | 16.1 | 15.3 | 15.4 | 14.5 | 14.2 | 14.4 | 14.1 |
| 652 | 5 | M | 13.9 | 14.5 | 14.7 | 14.7 | 15.2 | 15.8 | 14.9 | 14.6 | 15.2 | --- | 16.0 | 14.4 | 15.6 | 16.4 | 15.5 | 14.5 | 14.5 | 13.6 | 14.1 | 14.4 |
| 653 | 5 | M | 13.9 | 14.5 | 14.7 | 14.7 | 15.2 | 15.8 | 14.9 | 14.6 | 15.2 | --- | 16.0 | 14.4 | 15.6 | 16.4 | 15.5 | 14.5 | 14.5 | 13.6 | 14.1 | 14.4 |
| 654 | 5 | M | 13.9 | 14.5 | 14.7 | 14.7 | 15.2 | 15.8 | 14.9 | 14.6 | 15.2 | --- | 16.0 | 14.4 | 15.6 | 16.4 | 15.5 | 14.5 | 14.5 | 13.6 | 14.1 | 14.4 |
| 655 | 5 | M | 12.7 | 13.6 | 14.0 | 14.9 | 15.0 | 14.8 | 15.1 | 14.4 | 14.8 | 11.2 | 17.2 | 14.7 | 15.6 | 15.2 | 14.6 | 15.6 | 14.4 | 14.0 | 14.6 | 14.4 |
| 656 | 5 | M | 12.7 | 13.6 | 14.0 | 14.9 | 15.0 | 14.8 | 15.1 | 14.4 | 14.8 | 11.2 | 17.2 | 14.7 | 15.6 | 15.2 | 14.6 | 15.6 | 14.4 | 14.0 | 14.6 | 14.4 |
| 657 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 658 | 5 | M | 13.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 659 | 5 | M | 13.8 | 14.2 | 15.1 | 15.6 | 14.9 | 14.8 | 15.6 | 15.1 | 15.8 | 15.6 | 15.5 | 14.9 | 15.8 | 15.4 | 17.3 | 18.4 | 18.0 | 17.3 | 16.6 | 17.4 |
| 660 | 5 | M | 13.8 | 14.2 | 15.1 | 15.6 | 14.9 | 14.8 | 15.6 | 15.1 | 15.8 | 15.6 | 15.5 | 14.9 | 15.8 | --- | --- | --- | --- | --- | --- | --- |
| 661 | 5 | M | 14.6 | 15.6 | 15.9 | 16.0 | 15.8 | 16.4 | 16.3 | 15.9 | 15.9 | 17.5 | 16.7 | 15.1 | 15.9 | 16.1 | 16.6 | 15.9 | 15.1 | 14.6 | 15.3 | 15.1 |
| 662 | 5 | M | 14.6 | 15.6 | 15.9 | 16.0 | 15.8 | 16.4 | 16.3 | 15.9 | 15.9 | 17.5 | 16.7 | 15.1 | 15.9 | 16.1 | 16.6 | 15.9 | 15.1 | 14.6 | 15.3 | 15.1 |
| 663 | 5 | M | 14.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 664 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 665 | 5 | M | 13.9 | 14.4 | 15.2 | 15.6 | 15.2 | 16.6 | 15.6 | 16.7 | 15.8 | 13.6 | 15.9 | 14.9 | 16.9 | 16.3 | 15.9 | 16.3 | 17.0 | 15.1 | 15.9 | 15.3 |
| 666 | 5 | M | 13.9 | 14.4 | 15.2 | 15.6 | 15.2 | 16.6 | 15.6 | 16.7 | 15.8 | 13.6 | 15.9 | 14.9 | 16.9 | --- | --- | --- | --- | --- | --- | --- |
| 667 | 5 | M | 14.6 | 14.4 | 15.2 | 15.5 | 15.8 | 15.7 | 16.0 | 15.6 | 17.2 | 11.0 | 16.0 | 15.2 | 16.0 | 16.2 | 16.9 | 17.2 | 16.1 | 14.6 | 15.4 | 15.1 |
| 668 | 5 | M | 14.6 | 14.4 | 15.2 | 15.5 | 15.8 | 15.7 | 16.0 | 15.6 | 17.2 | 11.0 | 16.0 | 15.2 | 16.0 | 16.2 | --- | --- | --- | --- | --- | --- |
| 669 | 5 | M | 14.6 | 14.4 | 15.2 | 15.5 | 15.8 | 15.7 | 16.0 | 15.6 | 17.2 | 11.0 | 16.0 | 15.2 | 16.0 | 16.2 | 16.9 | 17.2 | 16.1 | 14.6 | 15.4 | 15.1 |
| 670 | 5 | M | 13.5 | 14.4 | 15.1 | 16.0 | 15.1 | 15.9 | 15.0 | 15.8 | 15.6 | 16.9 | 14.9 | 14.6 | 15.5 | 16.4 | 16.3 | 15.4 | 14.3 | 14.7 | 14.8 | 14.9 |
| 671 | 5 | M | 13.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 672 | 5 | M | 13.5 | 14.4 | 15.1 | 16.0 | 15.1 | 15.9 | 15.0 | 15.8 | 15.6 | 16.9 | 14.9 | 14.6 | 15.5 | 16.4 | 16.3 | 15.4 | 14.3 | 14.7 | 14.8 | 14.9 |
| 673 | 5 | M | 15.7 | 15.4 | 16.5 | 17.1 | 17.0 | 17.3 | 17.7 | 17.5 | 16.7 | 16.3 | 16.8 | 17.0 | 18.2 | 17.0 | 18.2 | 16.7 | 16.8 | 15.3 | 15.5 | 15.2 |
| 674 | 5 | M | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 675 | 5 | M | 15.7 | 15.4 | 16.5 | 17.1 | 17.0 | 17.3 | 17.7 | 17.5 | 16.7 | 16.3 | 16.8 | 17.0 | 18.2 | 17.0 | 18.2 | 16.7 | 16.8 | 15.3 | 15.5 | 15.2 |
| 676 | 5 | F | 7.7 | 8.7 | 9.0 | 8.8 | 9.4 | 9.3 | 8.9 | 9.7 | 9.4 | 9.4 | 8.9 | 9.7 | 9.0 | 9.4 | 9.7 | 10.2 | 9.9 | 9.0 | 8.7 | 9.7 |
| 677 | 5 | F | 7.7 | 8.7 | 9.0 | 8.8 | 9.4 | 9.3 | 8.9 | 9.7 | 9.4 | 9.4 | 8.9 | 9.7 | 9.0 | 9.4 | 9.7 | 10.2 | 9.9 | 9.0 | 8.7 | 9.7 |
| 678 | 5 | F | 7.7 | 8.7 | 9.0 | 8.8 | 9.4 | 9.3 | 8.9 | 9.7 | 9.4 | 9.4 | 8.9 | 9.7 | 9.0 | 9.4 | 9.7 | 10.2 | 9.9 | 9.0 | 8.7 | 9.7 |
| 679 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 680 | 5 | F | 8.9 | 9.4 | 9.8 | 9.6 | 9.4 | 9.9 | 11.1 | 10.2 | 10.6 | 9.6 | 9.1 | 9.6 | 9.9 | 10.4 | 10.0 | 10.5 | 9.9 | 10.1 | 9.9 | 9.6 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 681 | 5 | F | 8.9 | 9.4 | 9.8 | 9.6 | 9.4 | 9.9 | 11.1 | 10.2 | 10.6 | 9.6 | 9.1 | 9.6 | 9.9 | 10.4 | 10.0 | 10.5 | 9.9 | 10.1 | 9.9 | 9.6 |
| 682 | 5 | F | 8.1 | 8.5 | 8.3 | 8.6 | 9.1 | 9.0 | 9.3 | 9.4 | 9.0 | 8.6 | 9.5 | 8.9 | 9.6 | 9.8 | 9.8 | 9.0 | 9.3 | 8.8 | 8.8 | 9.0 |
| 683 | 5 | F | 8.1 | 8.5 | 8.3 | 8.6 | 9.1 | 9.0 | 9.3 | 9.4 | 9.0 | 8.6 | 9.5 | 8.9 | 9.6 | 9.8 | 9.8 | 9.0 | 9.3 | 8.8 | 8.8 | 9.0 |
| 684 | 5 | F | 8.1 | 8.5 | 8.3 | 8.6 | 9.1 | 9.0 | 9.3 | 9.4 | 9.0 | 8.6 | 9.5 | 8.9 | 9.6 | 9.8 | 9.8 | 9.0 | 9.3 | 8.8 | 8.8 | 9.0 |
| 685 | 5 | F | 8.9 | 8.9 | 9.0 | 9.5 | 9.9 | 9.6 | 10.0 | 9.8 | 10.0 | 9.8 | 9.5 | 9.2 | 10.0 | 10.4 | 11.1 | 11.0 | 10.3 | 10.7 | 9.6 | 10.9 |
| 686 | 5 | F | 8.9 | 8.9 | 9.0 | 9.5 | 9.9 | 9.6 | 10.0 | 9.8 | 10.0 | 9.8 | 9.5 | 9.2 | 10.0 | 10.4 | 11.1 | 11.0 | 10.3 | 10.7 | 9.6 | 10.9 |
| 687 | 5 | F | 8.9 | 8.9 | 9.0 | 9.5 | 9.9 | 9.6 | 10.0 | 9.8 | 10.0 | 9.8 | 9.5 | 9.2 | 10.0 | --- | --- | --- | --- | --- | --- | --- |
| 688 | 5 | F | 8.2 | 9.4 | 9.4 | 9.2 | 9.7 | 10.2 | 10.8 | 10.0 | 10.1 | 10.4 | 8.0 | 10.6 | 10.4 | 10.0 | 10.6 | 11.1 | 10.9 | 10.9 | 10.9 | 11.3 |
| 689 | 5 | F | 8.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 690 | 5 | F | 8.2 | 9.4 | 9.4 | 9.2 | 9.7 | 10.2 | 10.8 | 10.0 | 10.1 | 10.4 | 8.0 | 10.6 | 10.4 | --- | --- | --- | --- | --- | --- | --- |
| 691 | 5 | F | 8.6 | 9.2 | 9.4 | 9.6 | 10.0 | 10.4 | 10.2 | 10.3 | 10.1 | 8.3 | 11.0 | 9.5 | 10.3 | 10.9 | 10.9 | 10.8 | 10.5 | 10.0 | 10.0 | 10.5 |
| 692 | 5 | F | 8.6 | 9.2 | 9.4 | 9.6 | 10.0 | 10.4 | 10.2 | 10.3 | 10.1 | 8.3 | 11.0 | 9.5 | 10.3 | 10.9 | 10.9 | 10.8 | 10.5 | 10.0 | 10.0 | 10.5 |
| 693 | 5 | F | 8.6 | 9.2 | 9.4 | 9.6 | 10.0 | 10.4 | 10.2 | 10.3 | 10.1 | 8.3 | 11.0 | 9.5 | 10.3 | 10.9 | 10.9 | 10.8 | 10.5 | 10.0 | 10.0 | 10.5 |
| 694 | 5 | F | 8.3 | 9.4 | 9.9 | 10.0 | 10.3 | 10.3 | 10.9 | 10.1 | 10.5 | 9.4 | 12.0 | 9.5 | 9.7 | 9.9 | 10.6 | 9.4 | 9.8 | 10.1 | 9.6 | 10.4 |
| 695 | 5 | F | 8.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 696 | 5 | F | 8.3 | 9.4 | 9.9 | 10.0 | 10.3 | 10.3 | 10.9 | 10.1 | 10.5 | 9.4 | 12.0 | 9.5 | 9.7 | 9.9 | 10.6 | 9.4 | 9.8 | 10.1 | 9.6 | 10.4 |
| 697 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 698 | 5 | F | 9.4 | 10.3 | 10.1 | 10.1 | 10.4 | 10.6 | 10.6 | 10.5 | 10.4 | 10.0 | 11.4 | 10.9 | 10.9 | 10.9 | 10.6 | 10.9 | 10.4 | 10.6 | 10.5 | 11.7 |
| 699 | 5 | F | 9.4 | 10.3 | 10.1 | 10.1 | 10.4 | 10.6 | 10.6 | 10.5 | 10.4 | 10.0 | 11.4 | 10.9 | 10.9 | 10.9 | 10.6 | 10.9 | 10.4 | 10.6 | 10.5 | 11.7 |
| 700 | 5 | F | 8.4 | 8.7 | 9.7 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 8.9 | 8.8 | 10.9 | 9.1 | 9.2 | 10.0 | 9.4 | 9.4 | 9.3 | 9.1 | 8.9 | 10.0 |
| 701 | 5 | F | 8.4 | 8.7 | 9.7 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 8.9 | 8.8 | 10.9 | 9.1 | 9.2 | 10.0 | 9.4 | 9.4 | 9.3 | 9.1 | 8.9 | 10.0 |
| 702 | 5 | F | 8.4 | 8.7 | 9.7 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 8.9 | 8.8 | 10.9 | 9.1 | 9.2 | 10.0 | 9.4 | 9.4 | 9.3 | 9.1 | 8.9 | 10.0 |
| 703 | 5 | F | 8.2 | 8.3 | 8.3 | 8.4 | 9.4 | 9.2 | 9.2 | 9.2 | 9.1 | 8.9 | 9.2 | 8.5 | 8.6 | 9.1 | 9.4 | 9.1 | 9.3 | 8.4 | 9.1 | 9.9 |
| 704 | 5 | F | 8.2 | 8.3 | 8.3 | 8.4 | 9.4 | 9.2 | 9.2 | 9.2 | 9.1 | 8.9 | 9.2 | 8.5 | 8.6 | 9.1 | 9.4 | 9.1 | 9.3 | 8.4 | 9.1 | 9.9 |
| 705 | 5 | F | 8.2 | 8.3 | 8.3 | 8.4 | 9.4 | 9.2 | 9.2 | 9.2 | 9.1 | 8.9 | 9.2 | 8.5 | 8.6 | 9.1 | 9.4 | 9.1 | 9.3 | 8.4 | 9.1 | 9.9 |
| 706 | 5 | F | 8.6 | 8.5 | 8.8 | 8.5 | 9.3 | 9.5 | 9.6 | 9.5 | 9.3 | 7.1 | 8.8 | 8.3 | 8.8 | 9.8 | 9.7 | 8.7 | 9.5 | 9.4 | 9.0 | 9.4 |
| 707 | 5 | F | 8.6 | 8.5 | 8.8 | 8.5 | 9.3 | 9.5 | 9.6 | 9.5 | 9.3 | 7.1 | 8.8 | 8.3 | 8.8 | 9.8 | 9.7 | 8.7 | 9.5 | 9.4 | 9.0 | 9.4 |
| 708 | 5 | F | 8.6 | 8.5 | 8.8 | 8.5 | 9.3 | 9.5 | 9.6 | 9.5 | 9.3 | 7.1 | 8.8 | 8.3 | 8.8 | 9.8 | 9.7 | 8.7 | 9.5 | 9.4 | 9.0 | 9.4 |
| 709 | 5 | F | 8.2 | 8.9 | 9.0 | 9.1 | 9.1 | 10.0 | 9.7 | 10.0 | 9.8 | 7.7 | 9.3 | 9.0 | 10.4 | 9.9 | 9.7 | 9.4 | 9.0 | 9.1 | 8.6 | 9.6 |
| 710 | 5 | F | 8.2 | 8.9 | 9.0 | 9.1 | 9.1 | 10.0 | 9.7 | 10.0 | 9.8 | 7.7 | 9.3 | 9.0 | 10.4 | 9.9 | 9.7 | 9.4 | 9.0 | 9.1 | 8.6 | 9.6 |
| 711 | 5 | F | 8.2 | 8.9 | 9.0 | 9.1 | 9.1 | 10.0 | 9.7 | 10.0 | 9.8 | 7.7 | 9.3 | 9.0 | 10.4 | 9.9 | 9.7 | 9.4 | 9.0 | 9.1 | 8.6 | 9.6 |
| 712 | 5 | F | 7.9 | 9.1 | 8.7 | 9.0 | 9.6 | 9.9 | 10.0 | 10.2 | 9.1 | 6.9 | 9.0 | 9.0 | 9.7 | 10.1 | 14.1 | 9.8 | 8.8 | 8.8 | 8.4 | 9.6 |
| 713 | 5 | F | 7.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 714 | 5 | F | 7.9 | 9.1 | 8.7 | 9.0 | 9.6 | 9.9 | 10.0 | 10.2 | 9.1 | 6.9 | 9.0 | 9.0 | 9.7 | 10.1 | 14.1 | 9.8 | 8.8 | 8.8 | 8.4 | 9.6 |
| 715 | 5 | F | 9.0 | 9.1 | 11.4 | 10.1 | 10.4 | 10.4 | 10.4 | 10.7 | 11.6 | 7.2 | 10.9 | 9.1 | 10.5 | 11.8 | 11.4 | 12.1 | 10.9 | 11.3 | 10.6 | 11.9 |
| 716 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 717 | 5 | F | 9.0 | 9.1 | 11.4 | 10.1 | 10.4 | 10.4 | 10.4 | 10.7 | 11.6 | 7.2 | 10.9 | 9.1 | 10.5 | 11.8 | --- | --- | --- | --- | --- | --- |
| 718 | 5 | F | 8.0 | 8.8 | 9.6 | 10.0 | 9.7 | 10.3 | 9.9 | 10.3 | 10.1 | 9.5 | 9.4 | 8.2 | 9.1 | --- | --- | --- | --- | --- | --- | --- |
| 719 | 5 | F | 8.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 720 | 5 | F | 8.0 | 8.8 | 9.6 | 10.0 | 9.7 | 10.3 | 9.9 | 10.3 | 10.1 | 9.5 | 9.4 | 8.2 | 9.1 | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 721 | 5 | F | 8.3 | 10.4 | --- | 11.6 | 10.5 | 11.1 | 11.6 | 10.9 | 10.9 | 12.3 | 10.4 | 9.4 | 11.7 | 11.6 | 11.8 | 11.2 | 10.9 | 10.4 | 10.7 | 10.8 |
| 722 | 5 | F | 8.3 | 10.4 | --- | 11.6 | 10.5 | 11.1 | 11.6 | 10.9 | 10.9 | 12.3 | 10.4 | 9.4 | 11.7 | 11.6 | 11.8 | 11.2 | 10.9 | 10.4 | 10.7 | 10.8 |
| 723 | 5 | F | 8.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 724 | 5 | F | 7.3 | 10.2 | 8.5 | 9.5 | 8.9 | 9.6 | 9.9 | 10.4 | 10.5 | 9.2 | 9.3 | 10.1 | 10.2 | 10.0 | 11.2 | 10.6 | 10.4 | 10.3 | 9.9 | 10.4 |
| 725 | 5 | F | 7.3 | 10.2 | 8.5 | 9.5 | 8.9 | 9.6 | 9.9 | 10.4 | 10.5 | 9.2 | 9.3 | 10.1 | 10.2 | --- | --- | --- | --- | --- | --- | --- |
| 726 | 5 | F | 7.3 | 10.2 | 8.5 | 9.5 | 8.9 | 9.6 | 9.9 | 10.4 | 10.5 | 9.2 | 9.3 | 10.1 | 10.2 | 10.0 | 11.2 | 10.6 | 10.4 | 10.3 | 9.9 | 10.4 |
| 727 | 5 | F | 8.7 | 9.6 | 9.5 | 9.4 | 9.6 | 10.4 | 10.6 | 11.0 | 10.3 | 6.0 | 9.5 | 9.7 | 10.7 | --- | --- | --- | --- | --- | --- | --- |
| 728 | 5 | F | 8.7 | 9.6 | 9.5 | 9.4 | 9.6 | 10.4 | 10.6 | 11.0 | 10.3 | 6.0 | 9.5 | 9.7 | 10.7 | 11.2 | 11.1 | 10.9 | 10.4 | 10.1 | 10.1 | 11.0 |
| 729 | 5 | F | 8.7 | 9.6 | 9.5 | 9.4 | 9.6 | 10.4 | 10.6 | 11.0 | 10.3 | 6.0 | 9.5 | 9.7 | 10.7 | 11.2 | 11.1 | 10.9 | 10.4 | 10.1 | 10.1 | 11.0 |
| 730 | 5 | F | 8.6 | 9.3 | 9.3 | 9.3 | 9.1 | 9.7 | 10.0 | 10.3 | 10.0 | 8.2 | 9.1 | 9.1 | 10.0 | --- | --- | --- | --- | --- | --- | --- |
| 731 | 5 | F | 8.6 | 9.3 | 9.3 | 9.3 | 9.1 | 9.7 | 10.0 | 10.3 | 10.0 | 8.2 | 9.1 | 9.1 | 10.0 | 10.4 | 10.1 | 10.4 | 9.8 | 10.2 | 9.6 | 9.6 |
| 732 | 5 | F | 8.6 | 9.3 | 9.3 | 9.3 | 9.1 | 9.7 | 10.0 | 10.3 | 10.0 | 8.2 | 9.1 | 9.1 | 10.0 | 10.4 | 10.1 | 10.4 | 9.8 | 10.2 | 9.6 | 9.6 |
| 733 | 5 | F | 9.9 | 9.9 | 10.0 | 10.3 | 10.6 | 10.6 | 10.4 | 11.1 | 10.7 | 10.1 | 9.9 | 10.1 | 10.7 | 10.7 | 11.3 | 11.1 | 11.4 | 10.8 | 10.9 | 10.9 |
| 734 | 5 | F | 9.9 | 9.9 | 10.0 | 10.3 | 10.6 | 10.6 | 10.4 | 11.1 | 10.7 | 10.1 | 9.9 | 10.1 | 10.7 | 10.7 | 11.3 | 11.1 | 11.4 | 10.8 | 10.9 | 10.9 |
| 735 | 5 | F | 9.9 | 9.9 | 10.0 | 10.3 | 10.6 | 10.6 | 10.4 | 11.1 | 10.7 | 10.1 | 9.9 | 10.1 | 10.7 | 10.7 | --- | --- | --- | --- | --- | --- |
| 736 | 5 | F | 8.8 | 9.6 | 10.5 | 10.6 | 9.9 | 10.4 | 10.7 | 10.8 | 10.2 | 7.2 | 10.6 | 9.7 | 10.7 | 10.9 | 10.8 | 10.8 | 9.6 | 10.2 | 9.8 | 10.3 |
| 737 | 5 | F | 8.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 738 | 5 | F | 8.8 | 9.6 | 10.5 | 10.6 | 9.9 | 10.4 | 10.7 | 10.8 | 10.2 | 7.2 | 10.6 | 9.7 | 10.7 | 10.9 | 10.8 | 10.8 | 9.6 | 10.2 | 9.8 | 10.3 |
| 739 | 5 | F | 9.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 740 | 5 | F | 9.2 | 9.8 | 9.8 | 10.4 | 10.6 | 10.5 | 11.5 | 11.7 | 11.0 | 8.2 | 11.9 | 10.1 | 11.3 | 11.6 | 11.7 | 11.6 | 10.9 | 10.5 | 10.9 | 10.6 |
| 741 | 5 | F | 9.2 | 9.8 | 9.8 | 10.4 | 10.6 | 10.5 | 11.5 | 11.7 | 11.0 | 8.2 | 11.9 | 10.1 | 11.3 | 11.6 | 11.7 | 11.6 | 10.9 | 10.5 | 10.9 | 10.6 |
| 742 | 5 | F | 8.2 | 9.8 | 10.0 | 9.4 | 9.6 | 9.8 | 10.4 | 10.6 | 10.1 | 11.3 | 7.1 | 9.6 | 10.2 | 10.9 | 10.3 | 10.3 | 9.9 | 9.1 | 9.2 | 9.6 |
| 743 | 5 | F | 8.2 | 9.8 | 10.0 | 9.4 | 9.6 | 9.8 | 10.4 | 10.6 | 10.1 | 11.3 | 7.1 | 9.6 | 10.2 | 10.9 | 10.3 | 10.3 | 9.9 | 9.1 | 9.2 | 9.6 |
| 744 | 5 | F | 8.2 | 9.8 | 10.0 | 9.4 | 9.6 | 9.8 | 10.4 | 10.6 | 10.1 | 11.3 | 7.1 | 9.6 | 10.2 | 10.9 | 10.3 | 10.3 | 9.9 | 9.1 | 9.2 | 9.6 |
| 745 | 5 | F | 8.8 | 9.7 | 9.5 | 10.0 | 9.6 | 10.7 | 10.9 | 11.2 | 10.4 | 12.9 | 9.6 | 9.4 | 10.3 | 10.9 | 10.8 | 10.5 | 11.1 | 10.3 | 10.2 | 10.6 |
| 746 | 5 | F | 8.8 | 9.7 | 9.5 | 10.0 | 9.6 | 10.7 | 10.9 | 11.2 | 10.4 | 12.9 | 9.6 | 9.4 | 10.3 | 10.9 | 10.8 | 10.5 | 11.1 | 10.3 | 10.2 | 10.6 |
| 747 | 5 | F | 8.8 | 9.7 | 9.5 | 10.0 | 9.6 | 10.7 | 10.9 | 11.2 | 10.4 | 12.9 | 9.6 | 9.4 | 10.3 | --- | --- | --- | --- | --- | --- | --- |
| 748 | 5 | F | 8.4 | 9.0 | 9.5 | 9.7 | 10.1 | 10.4 | 10.4 | 11.0 | 10.6 | 11.5 | 9.6 | 9.5 | 10.7 | 10.6 | 10.8 | 10.4 | 9.6 | 9.6 | 9.4 | 10.1 |
| 749 | 5 | F | 8.4 | 9.0 | 9.5 | 9.7 | 10.1 | 10.4 | 10.4 | 11.0 | 10.6 | 11.5 | 9.6 | 9.5 | 10.7 | 10.6 | 10.8 | 10.4 | 9.6 | 9.6 | 9.4 | 10.1 |
| 750 | 5 | F | 8.4 | 9.0 | 9.5 | 9.7 | 10.1 | 10.4 | 10.4 | 11.0 | 10.6 | 11.5 | 9.6 | 9.5 | 10.7 | 10.6 | 10.8 | 10.4 | 9.6 | 9.6 | 9.4 | 10.1 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)
TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 1 | M | 16.9 | 15.5 | 15.8 | 14.4 | 17.0 | 16.1 | 16.6 | 17.6 | 17.5 | 19.2 | 17.4 | 18.2 | 17.5 | 18.3 | 17.8 | 16.7 | 16.9 | 16.0 | 18.1 | 15.6 |
| 3 | 1 | M | 16.9 | 15.5 | 15.8 | 14.4 | 17.0 | 16.1 | 16.6 | 17.6 | 17.5 | 19.2 | 17.4 | 18.2 | 17.5 | 18.3 | 17.8 | 16.7 | 16.9 | 16.0 | 18.1 | 15.6 |
| 4 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 1 | M | 13.1 | 11.6 | 16.0 | 14.3 | 13.3 | 13.4 | 12.3 | 12.9 | 11.1 | 14.7 | 13.4 | 13.7 | 15.7 | 13.9 | 13.3 | 15.3 | 12.4 | 13.1 | 14.3 | 12.1 |
| 6 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 1 | M | 17.3 | 16.2 | 16.5 | 16.7 | 16.3 | 17.5 | 16.5 | 15.1 | 16.6 | 18.0 | 17.4 | 18.2 | 17.6 | 17.5 | 14.9 | --- | --- | --- | --- | --- |
| 8 | 1 | M | 17.3 | 16.2 | 16.5 | 16.7 | 16.3 | 17.5 | 16.5 | 15.1 | 16.6 | 18.0 | 17.4 | 18.2 | 17.6 | 17.5 | 14.9 | 21.4 | 19.9 | 16.1 | 12.3 | 4.0 |
| 9 | 1 | M | 17.3 | 16.2 | 16.5 | 16.7 | 16.3 | 17.5 | 16.5 | 15.1 | 16.6 | 18.0 | 17.4 | 18.2 | 17.6 | 17.5 | 14.9 | 21.4 | 19.9 | 16.1 | 12.3 | 4.0 |
| 10 | 1 | M | 17.7 | 16.4 | 17.7 | 17.9 | 18.3 | 17.9 | 17.1 | 17.9 | 17.3 | 18.9 | 17.7 | 17.6 | 18.4 | 17.0 | 16.7 | 16.3 | 16.1 | 15.9 | 17.4 | 17.5 |
| 11 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 1 | M | 17.1 | 16.1 | 16.7 | 16.7 | 16.6 | 16.4 | 16.6 | 16.1 | 15.9 | 16.9 | 16.4 | 15.6 | 15.6 | 14.9 | 13.4 | --- | --- | --- | --- | --- |
| 15 | 1 | M | 17.1 | 16.1 | 16.7 | 16.7 | 16.6 | 16.4 | 16.6 | 16.1 | 15.9 | 16.9 | 16.4 | 15.6 | 15.6 | 14.9 | 13.4 | 11.9 | 10.9 | 10.3 | 10.3 | 11.0 |
| 16 | 1 | M | 18.0 | 17.1 | 18.0 | 17.0 | 16.9 | 17.7 | 17.7 | 17.9 | 16.6 | 19.4 | 17.6 | 15.4 | 15.1 | 15.9 | 15.7 | 15.3 | 15.9 | 13.6 | 18.0 | 16.3 |
| 17 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 1 | M | 17.7 | 15.9 | 17.1 | 16.7 | 16.6 | 17.7 | 16.7 | 17.7 | 16.7 | 17.7 | 17.7 | 17.6 | 18.1 | 17.6 | 16.9 | 16.4 | 15.1 | 15.4 | 16.3 | 16.4 |
| 22 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 1 | M | 15.9 | 15.1 | 16.4 | 15.6 | 14.1 | 17.0 | 16.4 | 16.1 | 16.2 | 17.3 | 16.5 | 16.4 | 16.4 | 16.3 | 16.6 | 16.2 | 15.7 | 16.2 | 15.6 | 14.9 |
| 24 | 1 | M | 15.9 | 15.1 | 16.4 | 15.6 | 14.1 | 17.0 | 16.4 | 16.1 | 16.2 | 17.3 | 16.5 | 16.4 | 16.4 | 16.3 | 16.6 | 16.2 | 15.7 | 16.2 | 15.6 | 14.9 |
| 25 | 1 | M | 15.6 | 15.9 | 15.2 | 15.4 | 15.7 | 15.9 | 16.1 | 15.4 | 14.3 | 14.4 | 15.2 | 14.6 | 15.7 | 15.5 | 15.4 | 15.9 | 15.4 | 15.5 | 14.7 | 14.7 |
| 26 | 1 | M | 15.6 | 15.9 | 15.2 | 15.4 | 15.7 | 15.9 | 16.1 | 15.4 | 14.3 | 14.4 | 15.2 | 14.6 | 15.7 | 15.5 | 15.4 | 15.9 | 15.4 | 15.5 | 14.7 | 14.7 |
| 27 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 1 | M | 15.9 | 14.9 | 14.6 | 14.2 | 15.3 | 15.3 | 14.5 | 15.6 | 15.8 | 15.8 | 13.6 | 13.6 | 12.3 | --- | --- | --- | --- | --- | --- | --- |
| 29 | 1 | M | 15.9 | 14.9 | 14.6 | 14.2 | 15.3 | 15.3 | 14.5 | 15.6 | 15.8 | 15.8 | 13.6 | 13.6 | 12.3 | 15.7 | 16.2 | 15.1 | 10.7 | 8.0 | --- | --- |
| 30 | 1 | M | 15.9 | 14.9 | 14.6 | 14.2 | 15.3 | 15.3 | 14.5 | 15.6 | 15.8 | 15.8 | 13.6 | 13.6 | 12.3 | 15.7 | 16.2 | 15.1 | 10.7 | 8.0 | 17.4 | 18.9 |
| 31 | 1 | M | 16.9 | 15.9 | 15.3 | 15.4 | 15.7 | 15.0 | 15.0 | 11.2 | 11.4 | 16.6 | 16.8 | 16.4 | 16.2 | 16.2 | --- | --- | --- | --- | --- | --- |
| 32 | 1 | M | 16.9 | 15.9 | 15.3 | 15.4 | 15.7 | 15.0 | 15.0 | 11.2 | 11.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 33 | 1 | M | 16.9 | 15.9 | 15.3 | 15.4 | 15.7 | 15.0 | 15.0 | 11.2 | 11.4 | 16.6 | 16.8 | 16.4 | 16.2 | 16.2 | 16.6 | 15.7 | 15.4 | 15.6 | 16.1 | 17.7 |
| 34 | 1 | M | 16.3 | 15.1 | 16.4 | 15.9 | 16.0 | 15.5 | 16.0 | 15.3 | 15.8 | 15.3 | 15.3 | 14.6 | 12.8 | 11.2 | --- | --- | --- | --- | --- | --- |
| 35 | 1 | M | 16.3 | 15.1 | 16.4 | 15.9 | 16.0 | 15.5 | 16.0 | 15.3 | 15.8 | 15.3 | 15.3 | 14.6 | 12.8 | 11.2 | 16.0 | 15.6 | 13.0 | 14.1 | 15.6 | 14.4 |
| 36 | 1 | M | 16.3 | 15.1 | 16.4 | 15.9 | 16.0 | 15.5 | 16.0 | 15.3 | 15.8 | 15.3 | 15.3 | 14.6 | 12.8 | 11.2 | 16.0 | 15.6 | 13.0 | 14.1 | 15.6 | 14.4 |
| 37 | 1 | M | 17.1 | 17.9 | 16.9 | 16.0 | 16.6 | 16.9 | 15.9 | 16.1 | 16.1 | 16.8 | 12.5 | 9.5 | 9.1 | 16.4 | 18.3 | 19.0 | 17.6 | 17.4 | 19.0 | 17.3 |
| 38 | 1 | M | 17.1 | 17.9 | 16.9 | 16.0 | 16.6 | 16.9 | 15.9 | 16.1 | 16.1 | 16.8 | 12.5 | 9.5 | 9.1 | --- | --- | --- | --- | --- | --- | --- |
| 39 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40 | 1 | M | 15.5 | 14.1 | 14.4 | 14.7 | 14.3 | 15.4 | 14.6 | 14.1 | 14.3 | 15.3 | 14.7 | 14.7 | 15.0 | 14.6 | 14.6 | 13.9 | 14.2 | 13.6 | 14.0 | 14.3 |

--- - NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1 | M | 15.5 | 14.1 | 14.4 | 14.7 | 14.3 | 15.4 | 14.6 | 14.1 | 14.3 | 15.3 | 14.7 | 14.7 | 15.0 | 14.6 | 14.6 | 13.9 | 14.2 | 13.6 | 14.0 | 14.3 |
| 42 | 1 | M | 15.5 | 14.1 | 14.4 | 14.7 | 14.3 | 15.4 | 14.6 | 14.1 | 14.3 | 15.3 | 14.7 | 14.7 | 15.0 | 14.6 | 14.6 | 13.9 | 14.2 | 13.6 | 14.0 | 14.3 |
| 43 | 1 | M | 14.4 | 14.4 | 17.2 | 15.9 | 15.3 | 15.8 | 14.6 | 14.6 | 15.9 | 16.1 | 15.5 | 12.6 | 16.0 | 15.0 | 15.1 | 14.7 | 13.7 | 12.1 | 10.6 | 9.9 |
| 44 | 1 | M | 14.4 | 14.4 | 17.2 | 15.9 | 15.3 | 15.8 | 14.6 | 14.6 | 15.9 | 16.1 | 15.5 | 12.6 | 16.0 | 15.0 | 15.1 | 14.7 | 13.7 | 12.1 | 10.6 | 9.9 |
| 45 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 46 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48 | 1 | M | 19.3 | 17.7 | 18.3 | 17.9 | 18.7 | 18.9 | 18.4 | 18.4 | 17.4 | 20.0 | 19.1 | 18.4 | 18.3 | 18.9 | 18.1 | 16.7 | 12.4 | 11.0 | 9.0 | 2.0 |
| 49 | 1 | M | 16.8 | 16.4 | 16.7 | 16.1 | 16.7 | 16.6 | 16.6 | 15.6 | 16.2 | 17.0 | 16.3 | 15.4 | 15.6 | 14.8 | 14.8 | 12.8 | 14.6 | 13.4 | 15.1 | 15.1 |
| 50 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 51 | 1 | M | 16.8 | 16.4 | 16.7 | 16.1 | 16.7 | 16.6 | 16.6 | 15.6 | 16.2 | 17.0 | 16.3 | 15.4 | 15.6 | 14.8 | 14.8 | 12.8 | 14.6 | 13.4 | 15.1 | 15.1 |
| 52 | 1 | M | 15.9 | 15.0 | 14.8 | 14.7 | 15.0 | 15.7 | 15.4 | 13.8 | 13.2 | 11.1 | 17.4 | 16.6 | 16.6 | 16.0 | 14.1 | 12.7 | 11.0 | 6.5 | 14.4 | 14.9 |
| 53 | 1 | M | 15.9 | 15.0 | 14.8 | 14.7 | 15.0 | 15.7 | 15.4 | 13.8 | 13.2 | 11.1 | 17.4 | 16.6 | 16.6 | 16.0 | 14.1 | 12.7 | 11.0 | 6.5 | --- | --- |
| 54 | 1 | M | 15.9 | 15.0 | 14.8 | 14.7 | 15.0 | 15.7 | 15.4 | 13.8 | 13.2 | 11.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55 | 1 | M | --- | 15.7 | 15.2 | 14.4 | 15.0 | 14.9 | 14.8 | 14.5 | 13.0 | 13.5 | 17.2 | 12.5 | 17.7 | 16.9 | 14.7 | 14.3 | 11.9 | 10.1 | 18.1 | 17.1 |
| 56 | 1 | M | --- | 15.7 | 15.2 | 14.4 | 15.0 | 14.9 | 14.8 | 14.5 | 13.0 | 13.5 | 17.2 | 12.5 | 17.7 | 16.9 | 14.7 | 14.3 | 11.9 | 10.1 | 18.1 | 17.1 |
| 57 | 1 | M | --- | 15.7 | 15.2 | 14.4 | 15.0 | 14.9 | 14.8 | 14.5 | 13.0 | 13.5 | 17.2 | 12.5 | 17.7 | 16.9 | 14.7 | 14.3 | 11.9 | --- | --- | --- |
| 58 | 1 | M | 16.9 | 16.9 | 16.9 | 15.5 | 16.6 | 16.1 | 12.9 | 10.7 | 16.9 | 18.9 | 19.7 | 19.6 | 20.0 | 16.7 | 14.9 | 6.7 | --- | --- | --- | --- |
| 59 | 1 | M | 16.9 | 16.9 | 16.9 | 15.5 | 16.6 | 16.1 | 12.9 | 10.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 60 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 61 | 1 | M | 15.9 | 14.1 | 15.2 | 15.0 | 15.7 | 15.8 | 12.7 | 16.0 | 15.8 | 15.8 | 15.4 | 15.5 | 13.8 | 11.5 | 15.1 | 12.3 | 15.6 | 13.4 | 14.5 | 14.1 |
| 62 | 1 | M | 15.9 | 14.1 | 15.2 | 15.0 | 15.7 | 15.8 | 12.7 | 16.0 | 15.8 | 15.8 | 15.4 | 15.5 | 13.8 | 11.5 | 15.1 | 12.3 | 15.6 | 13.4 | 14.5 | 14.1 |
| 63 | 1 | M | 15.9 | 14.1 | 15.2 | 15.0 | 15.7 | 15.8 | 12.7 | 16.0 | 15.8 | 15.8 | 15.4 | 15.5 | 13.8 | 11.5 | --- | --- | --- | --- | --- | --- |
| 64 | 1 | M | 15.8 | 15.0 | 15.1 | 15.4 | 15.3 | 14.9 | 15.2 | 15.9 | 14.9 | 14.9 | 11.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65 | 1 | M | 15.8 | 15.0 | 15.1 | 15.4 | 15.3 | 14.9 | 15.2 | 15.9 | 14.9 | 14.9 | 11.3 | 15.9 | 15.5 | 15.2 | 14.9 | 16.7 | 15.2 | 14.1 | 13.9 | 13.3 |
| 66 | 1 | M | 15.8 | 15.0 | 15.1 | 15.4 | 15.3 | 14.9 | 15.2 | 15.9 | 14.9 | 14.9 | 11.3 | 15.9 | 15.5 | 15.2 | 14.9 | 16.7 | 15.2 | 14.1 | 13.9 | 13.3 |
| 67 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 68 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 69 | 1 | M | 19.1 | 17.0 | 18.9 | 17.9 | 18.0 | 18.9 | 17.9 | 19.3 | 18.9 | 20.0 | 20.0 | 20.1 | 20.6 | 20.3 | 16.6 | 0.6 | --- | --- | --- | --- |
| 70 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 71 | 1 | M | 15.5 | 15.9 | 16.9 | 15.6 | 16.1 | 15.6 | 14.3 | 17.6 | 16.9 | 18.8 | 16.6 | 15.6 | 16.1 | 13.5 | 10.1 | 4.0 | --- | --- | --- | --- |
| 72 | 1 | M | 15.5 | 15.9 | 16.9 | 15.6 | 16.1 | 15.6 | 14.3 | 17.6 | 16.9 | 18.8 | 16.6 | 15.6 | 16.1 | 13.5 | 10.1 | 4.0 | 7.1 | --- | --- | --- |
| 73 | 1 | M | 15.2 | 14.3 | 15.5 | 14.9 | 14.6 | 14.4 | 13.9 | 15.0 | 14.1 | 16.0 | 15.0 | 15.0 | 11.2 | 16.7 | 16.1 | 16.9 | 14.3 | 14.3 | 13.3 | 14.5 |
| 74 | 1 | M | 15.2 | 14.3 | 15.5 | 14.9 | 14.6 | 14.4 | 13.9 | 15.0 | 14.1 | 16.0 | 15.0 | 15.0 | 11.2 | 16.7 | 16.1 | 16.9 | --- | --- | --- | --- |
| 75 | 1 | M | 15.2 | 14.3 | 15.5 | 14.9 | 14.6 | 14.4 | 13.9 | 15.0 | 14.1 | 16.0 | 15.0 | 15.0 | 11.2 | 16.7 | 16.1 | 16.9 | 14.3 | 14.3 | 13.3 | 14.5 |
| 76 | 1 | F | 12.2 | 10.7 | 12.8 | 12.0 | 12.4 | 14.7 | 12.0 | 7.6 | 13.7 | 14.9 | 13.6 | 14.1 | 14.5 | 13.2 | 13.5 | 13.2 | 13.0 | 12.6 | 13.9 | 10.9 |
| 77 | 1 | F | 12.2 | 10.7 | 12.8 | 12.0 | 12.4 | 14.7 | 12.0 | 7.6 | 13.7 | 14.9 | 13.6 | 14.1 | 14.5 | 13.2 | 13.5 | 13.2 | 13.0 | 12.6 | 13.9 | 10.9 |
| 78 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 79 | 1 | F | 11.8 | 11.9 | 11.9 | 12.9 | 13.0 | 13.1 | 11.9 | 10.4 | 11.0 | 10.9 | 10.7 | 10.6 | --- | --- | --- | --- | --- | --- | --- | --- |
| 80 | 1 | F | 11.8 | 11.9 | 11.9 | 12.9 | 13.0 | 13.1 | 11.9 | 10.4 | 11.0 | 10.9 | 10.7 | 10.6 | 13.9 | 11.5 | 13.7 | 13.9 | 12.8 | 12.9 | 15.6 | 10.4 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 81 | 1 | F | 11.8 | 11.9 | 11.9 | 12.9 | 13.0 | 13.1 | 11.9 | 10.4 | 11.0 | 10.9 | 10.7 | 10.6 | 13.9 | 11.5 | 13.7 | 13.9 | 12.8 | 12.9 | 15.6 | 10.4 |
| 82 | 1 | F | 11.9 | 11.7 | 12.0 | 11.3 | 10.9 | 12.5 | 12.5 | 12.4 | 12.5 | 14.0 | 13.6 | 12.7 | 13.6 | 13.2 | 13.3 | 13.7 | 12.7 | 12.9 | 12.4 | 12.2 |
| 83 | 1 | F | 11.9 | 11.7 | 12.0 | 11.3 | 10.9 | 12.5 | 12.5 | 12.4 | 12.5 | 14.0 | 13.6 | 12.7 | 13.6 | 13.2 | 13.3 | 13.7 | 12.7 | 12.9 | 12.4 | 12.2 |
| 84 | 1 | F | 11.9 | 11.7 | 12.0 | 11.3 | 10.9 | 12.5 | 12.5 | 12.4 | 12.5 | 14.0 | 13.6 | 12.7 | 13.6 | 13.2 | 13.3 | 13.7 | 12.7 | 12.9 | 12.4 | 12.2 |
| 85 | 1 | F | 12.4 | 11.3 | 12.0 | 11.0 | 11.7 | 11.9 | 12.6 | 12.0 | 12.0 | 13.0 | 12.3 | 12.6 | 13.7 | 12.9 | 12.0 | 12.9 | 11.6 | 11.9 | 12.1 | 10.3 |
| 86 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 87 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 88 | 1 | F | 9.7 | 8.9 | 9.1 | 11.1 | 11.0 | 9.4 | 8.3 | 11.0 | 13.4 | 14.0 | 10.9 | 12.7 | 12.1 | 10.7 | 12.1 | 11.6 | 12.6 | --- | --- | --- |
| 89 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 90 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 91 | 1 | F | 11.0 | 10.7 | 11.7 | 10.6 | 12.0 | 12.5 | 11.7 | 11.8 | 11.8 | 13.0 | 11.8 | 11.0 | 12.7 | 11.9 | 12.1 | 12.2 | 11.5 | 11.0 | 11.6 | 11.5 |
| 92 | 1 | F | 11.0 | 10.7 | 11.7 | 10.6 | 12.0 | 12.5 | 11.7 | 11.8 | 11.8 | 13.0 | 11.8 | 11.0 | 12.7 | 11.9 | 12.1 | 12.2 | 11.5 | 11.0 | 11.6 | 11.5 |
| 93 | 1 | F | 11.0 | 10.7 | 11.7 | 10.6 | 12.0 | 12.5 | 11.7 | 11.8 | 11.8 | 13.0 | 11.8 | 11.0 | 12.7 | 11.9 | 12.1 | 12.2 | 11.5 | 11.0 | 11.6 | 11.5 |
| 94 | 1 | F | 12.6 | 11.8 | 12.7 | 12.8 | 12.9 | 12.6 | 13.9 | 13.5 | 12.9 | 14.3 | 14.1 | 12.9 | 14.8 | 13.1 | 13.6 | 13.1 | 12.1 | 13.2 | 14.3 | 13.7 |
| 95 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 96 | 1 | F | 12.6 | 11.8 | 12.7 | 12.8 | 12.9 | 12.6 | 13.9 | 13.5 | 12.9 | 14.3 | 14.1 | 12.9 | 14.8 | 13.1 | 13.6 | 13.1 | 12.1 | 13.2 | 14.3 | 13.7 |
| 97 | 1 | F | 12.5 | 10.6 | 11.6 | 8.1 | 4.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 98 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 99 | 1 | F | 12.5 | 10.6 | 11.6 | 8.1 | 4.6 | 11.4 | 12.0 | 11.6 | 13.4 | 13.6 | 13.0 | 12.9 | 13.9 | 14.0 | 14.0 | 15.0 | 12.7 | 13.7 | 13.7 | 13.9 |
| 100 | 1 | F | 12.7 | 11.8 | 12.9 | 12.0 | 12.6 | 12.6 | 13.9 | 12.5 | 12.6 | 13.6 | 9.4 | 8.6 | 8.8 | --- | --- | --- | --- | --- | --- | --- |
| 101 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 102 | 1 | F | 12.7 | 11.8 | 12.9 | 12.0 | 12.6 | 12.6 | 13.9 | 12.5 | 12.6 | 13.6 | 9.4 | 8.6 | 8.8 | 11.6 | 14.3 | 14.9 | 12.7 | 11.6 | 14.0 | 13.7 |
| 103 | 1 | F | 12.5 | 10.9 | 12.3 | 11.3 | 12.1 | 12.2 | 12.1 | 11.1 | 11.4 | 12.4 | 12.1 | 12.8 | 13.2 | 11.9 | 12.1 | 12.1 | 10.9 | 8.6 | 6.1 | --- |
| 104 | 1 | F | 12.5 | 10.9 | 12.3 | 11.3 | 12.1 | 12.2 | 12.1 | 11.1 | 11.4 | 12.4 | 12.1 | 12.8 | 13.2 | 11.9 | 12.1 | 12.1 | 10.9 | 8.6 | 6.1 | 11.3 |
| 105 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 106 | 1 | F | 12.2 | 11.0 | 10.9 | 9.8 | 8.5 | 12.6 | 12.3 | 10.1 | 9.9 | 10.0 | 9.4 | 9.7 | 11.5 | 10.8 | --- | --- | --- | --- | --- | --- |
| 107 | 1 | F | 12.2 | 11.0 | 10.9 | 9.8 | 8.5 | 12.6 | 12.3 | 10.1 | 9.9 | 10.0 | 9.4 | 9.7 | 11.5 | 10.8 | 12.6 | 12.9 | 11.9 | 12.9 | 13.9 | 13.1 |
| 108 | 1 | F | 12.2 | 11.0 | 10.9 | 9.8 | 8.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 109 | 1 | F | 14.4 | 12.6 | 13.3 | 12.6 | 12.9 | 12.9 | 13.1 | 12.5 | 12.4 | 13.8 | 12.9 | 13.6 | 11.4 | 11.1 | 12.8 | 11.2 | --- | --- | --- | --- |
| 110 | 1 | F | 14.4 | 12.6 | 13.3 | 12.6 | 12.9 | 12.9 | 13.1 | 12.5 | 12.4 | 13.8 | 12.9 | 13.6 | 11.4 | 11.1 | 12.8 | 11.2 | 4.1 | 4.4 | 7.2 | --- |
| 111 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 112 | 1 | F | 10.0 | 10.2 | 10.2 | 9.8 | 11.0 | 10.0 | 10.3 | 9.8 | 11.3 | 12.3 | 12.0 | 11.7 | 12.2 | 12.4 | 12.0 | 11.1 | 10.7 | 11.3 | 10.6 | 9.8 |
| 113 | 1 | F | 10.0 | 10.2 | 10.2 | 9.8 | 11.0 | 10.0 | 10.3 | 9.8 | 11.3 | 12.3 | 12.0 | 11.7 | 12.2 | 12.4 | 12.0 | 11.1 | 10.7 | 11.3 | 10.6 | 9.8 |
| 114 | 1 | F | 10.0 | 10.2 | 10.2 | 9.8 | 11.0 | 10.0 | 10.3 | 9.8 | 11.3 | 12.3 | 12.0 | 11.7 | 12.2 | 12.4 | 12.0 | 11.1 | 10.7 | 11.3 | 10.6 | 9.8 |
| 115 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 116 | 1 | F | 11.8 | 10.4 | 12.4 | 11.5 | 11.9 | 12.2 | 11.1 | 11.6 | 11.7 | 12.9 | 11.6 | 12.3 | 13.4 | 13.0 | 12.9 | 12.7 | 12.4 | 12.4 | 12.5 | 11.4 |
| 117 | 1 | F | 11.8 | 10.4 | 12.4 | 11.5 | 11.9 | 12.2 | 11.1 | 11.6 | 11.7 | 12.9 | 11.6 | 12.3 | 13.4 | 13.0 | 12.9 | 12.7 | 12.4 | 12.4 | 12.5 | 11.4 |
| 118 | 1 | F | 13.1 | 11.6 | 12.8 | 13.3 | 13.4 | 13.4 | 14.1 | 12.6 | 13.3 | 13.5 | 13.5 | 13.6 | 13.4 | 12.9 | 12.9 | 11.6 | 9.5 | 7.1 | --- | --- |
| 119 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 120 | 1 | F | 13.1 | 11.6 | 12.8 | 13.3 | 13.4 | 13.4 | 14.1 | 12.6 | 13.3 | 13.5 | 13.5 | 13.6 | 13.4 | 12.9 | 12.9 | 11.6 | 9.5 | 7.1 | 13.4 | 12.1 |

--- - NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
| 121 | 1 | F | 11.8 | 11.2 | 11.3 | 11.4 | 11.4 | 12.1 | 10.9 | 11.0 | 12.0 | 12.2 | 12.4 | 11.6 | 11.5 | 12.0 | 12.1 | 12.0 | 10.5 | 11.1 | 11.6 | 10.4 |
| 122 | 1 | F | 11.8 | 11.2 | 11.3 | 11.4 | 11.4 | 12.1 | 10.9 | 11.0 | 12.0 | 12.2 | 12.4 | 11.6 | 11.5 | 12.0 | 12.1 | 12.0 | 10.5 | 11.1 | 11.6 | 10.4 |
| 123 | 1 | F | 11.8 | 11.2 | 11.3 | 11.4 | 11.4 | 12.1 | 10.9 | 11.0 | 12.0 | 12.2 | 12.4 | 11.6 | 11.5 | 12.0 | 12.1 | 12.0 | 10.5 | 11.1 | 11.6 | 10.4 |
| 124 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 125 | 1 | F | 14.8 | 12.3 | 12.9 | 11.9 | 12.7 | 12.8 | 13.3 | 12.8 | 12.8 | 14.6 | 13.9 | 13.4 | 13.8 | 12.2 | 13.0 | 13.4 | 12.9 | 11.9 | 8.4 | 5.5 |
| 126 | 1 | F | 14.8 | 12.3 | 12.9 | 11.9 | 12.7 | 12.8 | 13.3 | 12.8 | 12.8 | 14.6 | 13.9 | 13.4 | 13.8 | 12.2 | 13.0 | 13.4 | 12.9 | 11.9 | 8.4 | 5.5 |
| 127 | 1 | F | 12.6 | 10.9 | 10.9 | 12.1 | 12.4 | 13.0 | 12.8 | 11.9 | 12.1 | 13.0 | 13.0 | 12.3 | 12.2 | 12.5 | 13.1 | 13.9 | 12.7 | 13.1 | 13.3 | 11.8 |
| 128 | 1 | F | 12.6 | 10.9 | 10.9 | 12.1 | 12.4 | 13.0 | 12.8 | 11.9 | 12.1 | 13.0 | 13.0 | 12.3 | 12.2 | 12.5 | 13.1 | 13.9 | 12.7 | 13.1 | 13.3 | 11.8 |
| 129 | 1 | F | 12.6 | 10.9 | 10.9 | 12.1 | 12.4 | 13.0 | 12.8 | 11.9 | 12.1 | 13.0 | 13.0 | 12.3 | 12.2 | 12.5 | 13.1 | 13.9 | 12.7 | 13.1 | 13.3 | 11.8 |
| 130 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 131 | 1 | F | 12.6 | 11.1 | 12.2 | 12.8 | 13.5 | 13.4 | 13.4 | 11.8 | 12.2 | 13.6 | 13.4 | 13.2 | 13.3 | 13.2 | 12.9 | 12.9 | 10.5 | 6.1 | 7.6 | 10.9 |
| 132 | 1 | F | 12.6 | 11.1 | 12.2 | 12.8 | 13.5 | 13.4 | 13.4 | 11.8 | 12.2 | 13.6 | 13.4 | 13.2 | 13.3 | 13.2 | 12.9 | 12.9 | 10.5 | 6.1 | 7.6 | 10.9 |
| 133 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 134 | 1 | F | 11.9 | 9.1 | 12.9 | 13.0 | 12.8 | 13.9 | 13.2 | 12.0 | 8.1 | 9.4 | 12.0 | 14.5 | 10.6 | 10.9 | 12.1 | 12.3 | 10.1 | 11.2 | --- | --- |
| 135 | 1 | F | 11.9 | 9.1 | 12.9 | 13.0 | 12.8 | 13.9 | 13.2 | 12.0 | 8.1 | 9.4 | 12.0 | 14.5 | 10.6 | 10.9 | 12.1 | 12.3 | 10.1 | 11.2 | 11.9 | 12.8 |
| 136 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 137 | 1 | F | 14.1 | 12.4 | 13.6 | 14.0 | 13.1 | 15.6 | 15.0 | 13.6 | 13.3 | 15.9 | 13.7 | 14.4 | 13.9 | 13.1 | 12.4 | 8.4 | 8.3 | --- | --- | --- |
| 138 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 139 | 1 | F | 12.6 | 11.3 | 12.2 | 11.6 | 11.7 | 12.1 | 12.4 | 11.6 | 12.3 | 12.3 | 13.0 | 11.7 | 11.9 | 11.6 | 10.5 | 7.0 | 9.9 | --- | --- | --- |
| 140 | 1 | F | 12.6 | 11.3 | 12.2 | 11.6 | 11.7 | 12.1 | 12.4 | 11.6 | 12.3 | 12.3 | 13.0 | 11.7 | 11.9 | 11.6 | 10.5 | 7.0 | 9.9 | 12.9 | 12.9 | 13.9 |
| 141 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 142 | 1 | F | 11.4 | 7.9 | 9.9 | 7.7 | 9.6 | 11.9 | 10.7 | 11.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 143 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 144 | 1 | F | 11.4 | 7.9 | 9.9 | 7.7 | 9.6 | 11.9 | 10.7 | 11.3 | 11.1 | 11.3 | 13.0 | 12.9 | 15.0 | 16.9 | 16.0 | 16.7 | 14.6 | 10.1 | 13.3 | 11.0 |
| 145 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 146 | 1 | F | 12.0 | 9.1 | 11.3 | 11.4 | 11.8 | 10.1 | 11.1 | 13.2 | 13.9 | 14.9 | 13.9 | 13.4 | 12.4 | 14.0 | 14.4 | 13.6 | 14.5 | 13.3 | 12.8 | 11.7 |
| 147 | 1 | F | 12.0 | 9.1 | 11.3 | 11.4 | 11.8 | 10.1 | 11.1 | 13.2 | 13.9 | 14.9 | 13.9 | 13.4 | 12.4 | 14.0 | 14.4 | 13.6 | 14.5 | 13.3 | 12.8 | --- |
| 148 | 1 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 149 | 1 | F | 12.1 | 10.9 | 13.6 | 12.2 | 12.0 | 11.9 | 12.4 | 11.4 | 8.9 | 10.6 | 12.4 | 13.5 | 13.9 | 12.3 | 13.9 | 12.2 | 12.1 | 12.6 | 12.3 | 12.7 |
| 150 | 1 | F | 12.1 | 10.9 | 13.6 | 12.2 | 12.0 | 11.9 | 12.4 | 11.4 | 9.9 | 10.6 | 12.4 | 13.5 | 13.9 | 12.3 | 13.9 | 12.2 | 12.1 | 12.6 | 12.3 | 12.7 |
| 151 | 2 | M | 15.7 | 14.9 | 14.6 | 16.0 | 15.1 | 14.1 | 14.4 | 15.7 | 15.8 | 14.9 | 16.2 | 16.6 | 16.7 | 16.4 | 16.4 | 16.1 | 15.2 | 14.9 | 15.4 | 13.8 |
| 152 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 153 | 2 | M | 15.7 | 14.9 | 14.6 | 16.0 | 15.1 | 14.1 | 14.4 | 15.7 | 15.8 | 14.9 | 16.2 | 16.6 | 16.7 | 16.4 | 16.4 | 16.1 | 15.2 | 14.9 | 15.4 | 13.8 |
| 154 | 2 | M | 15.9 | 14.6 | 14.4 | 14.4 | 15.0 | 15.3 | 15.1 | 12.1 | 13.1 | 10.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 155 | 2 | M | 15.9 | 14.6 | 14.4 | 14.4 | 15.0 | 15.3 | 15.1 | 12.1 | 13.1 | 10.9 | 17.3 | 19.1 | 18.3 | 19.0 | 19.7 | 19.4 | 18.1 | 18.4 | 18.3 | 16.7 |
| 156 | 2 | M | 15.9 | 14.6 | 14.4 | 14.4 | 15.0 | 15.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 157 | 2 | M | 16.4 | 15.4 | 15.4 | 14.5 | 16.0 | 16.0 | 16.0 | 14.1 | 15.8 | 14.4 | 14.6 | 15.3 | 15.1 | 15.2 | 15.4 | 15.4 | 15.4 | 13.8 | 11.5 | 5.2 |
| 158 | 2 | M | 16.4 | 15.4 | 15.4 | 14.5 | 16.0 | 16.0 | 16.0 | 14.1 | 15.8 | 14.4 | 14.6 | 15.3 | 15.1 | 15.2 | 15.4 | 15.4 | 15.4 | 13.8 | 11.5 | 5.2 |
| 159 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 160 | 2 | M | 16.0 | 15.9 | 14.8 | 15.9 | 15.6 | 16.0 | 16.1 | 15.4 | 16.7 | 13.9 | 12.4 | 9.6 | 8.3 | 11.2 | 12.1 | 10.0 | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 2 | M | 16.0 | 15.9 | 14.8 | 15.9 | 15.6 | 16.0 | 16.1 | 15.4 | 16.7 | 13.9 | 12.4 | 9.6 | 8.3 | 11.2 | --- | --- | --- | --- | --- | --- |
| 162 | 2 | M | 16.0 | 15.9 | 14.8 | 15.9 | 15.6 | 16.0 | 16.1 | 15.4 | 16.7 | 13.9 | 12.4 | 9.6 | 8.3 | 11.2 | 12.1 | 10.0 | 16.3 | 15.4 | 16.0 | 15.3 |
| 163 | 2 | M | 16.6 | 16.4 | 16.6 | 15.6 | 17.1 | 16.4 | 16.9 | 16.9 | 16.9 | 16.6 | 15.4 | 15.8 | 14.3 | 11.0 | 11.9 | 26.0 | 14.0 | 14.6 | 15.4 | 14.3 |
| 164 | 2 | M | 16.6 | 16.4 | 16.6 | 15.6 | 17.1 | 16.4 | 16.9 | 16.9 | 16.9 | 16.6 | 15.4 | 15.8 | 14.3 | 11.0 | 11.9 | --- | --- | --- | --- | --- |
| 165 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 166 | 2 | M | 16.3 | 16.4 | 17.4 | 17.0 | 17.1 | 16.9 | 17.6 | 16.9 | 16.1 | 16.0 | 17.0 | 15.6 | 17.1 | 15.9 | 13.8 | 11.5 | 9.4 | 9.6 | 12.5 | 15.1 |
| 167 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 168 | 2 | M | 16.3 | 16.4 | 17.4 | 17.0 | 17.1 | 16.9 | 17.6 | 16.9 | 16.1 | 16.0 | 17.0 | 15.6 | 17.1 | 15.9 | 13.8 | 11.5 | 9.4 | 9.6 | 12.5 | --- |
| 169 | 2 | M | 15.3 | 15.0 | 14.0 | 15.3 | 14.7 | 14.6 | 14.5 | 15.4 | 15.1 | 14.3 | 14.3 | 13.8 | 12.3 | 14.7 | 12.3 | 10.7 | --- | --- | --- | --- |
| 170 | 2 | M | 15.3 | 15.0 | 14.0 | 15.3 | 14.7 | 14.6 | 14.5 | 15.4 | 15.1 | 14.3 | 14.3 | 13.8 | 12.3 | 14.7 | 12.3 | 10.7 | 13.1 | 12.2 | 9.6 | 8.7 |
| 171 | 2 | M | 15.3 | 15.0 | 14.0 | 15.3 | 14.7 | 14.6 | 14.5 | 15.4 | 15.1 | 14.3 | 14.3 | 13.8 | 12.3 | 14.7 | 12.3 | 10.7 | 13.1 | 12.2 | 9.6 | 8.7 |
| 172 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 173 | 2 | M | 16.9 | 16.9 | 16.9 | 15.9 | 15.7 | 16.1 | 16.5 | 16.4 | 16.1 | 15.7 | 16.1 | 15.5 | 16.1 | 15.5 | 15.3 | 15.6 | 16.1 | 12.9 | 7.2 | 8.5 |
| 174 | 2 | M | 16.9 | 16.9 | 16.9 | 15.9 | 15.7 | 16.1 | 16.5 | 16.4 | 16.1 | 15.7 | 16.1 | 15.5 | 16.1 | 15.5 | 15.3 | 15.6 | 16.1 | 12.9 | 7.2 | 8.5 |
| 175 | 2 | M | 15.6 | 15.5 | 15.4 | 14.8 | 14.6 | 14.8 | 14.5 | 15.4 | 15.4 | 15.3 | 15.0 | 14.8 | 16.1 | 15.6 | 16.1 | 14.7 | 14.0 | 14.4 | 14.2 | 15.9 |
| 176 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 177 | 2 | M | 15.6 | 15.5 | 15.4 | 14.8 | 14.6 | 14.8 | 14.5 | 15.4 | 15.4 | 15.3 | 15.0 | 14.8 | 16.1 | 15.6 | 16.1 | 14.7 | 14.0 | 14.4 | 14.2 | 15.9 |
| 178 | 2 | M | 15.8 | 15.1 | 15.3 | 15.8 | 15.7 | 15.4 | 15.5 | 16.0 | 15.3 | 15.4 | 15.6 | 16.1 | 16.5 | 15.6 | 15.9 | 14.6 | 13.0 | 11.4 | 9.9 | 12.1 |
| 179 | 2 | M | 15.8 | 15.1 | 15.3 | 15.8 | 15.7 | 15.4 | 15.5 | 16.0 | 15.3 | 15.4 | 15.6 | 16.1 | 16.5 | 15.6 | 15.9 | 14.6 | 13.0 | 11.4 | 9.9 | 12.1 |
| 180 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 181 | 2 | M | 15.2 | 15.1 | 15.9 | 14.9 | 15.6 | 16.4 | 16.9 | 15.2 | 13.8 | 12.9 | 11.4 | 10.8 | --- | --- | --- | --- | --- | --- | --- | --- |
| 182 | 2 | M | 15.2 | 15.1 | 15.9 | 14.9 | 15.6 | 16.4 | 16.9 | 15.2 | 13.8 | 12.9 | 11.4 | 10.8 | 18.6 | 16.7 | 17.6 | 17.7 | 18.3 | 17.0 | 17.1 | 15.4 |
| 183 | 2 | M | 15.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 184 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 185 | 2 | M | 17.4 | 18.0 | 16.9 | 18.0 | 17.3 | 16.4 | 18.1 | 18.4 | 16.6 | 16.3 | 15.5 | 15.9 | 16.6 | 16.8 | 17.5 | 17.6 | 16.4 | 15.1 | 15.0 | 15.2 |
| 186 | 2 | M | 17.4 | 18.0 | 16.9 | 18.0 | 17.3 | 16.4 | 18.1 | 18.4 | 16.6 | 16.3 | 15.5 | 15.9 | 16.6 | 16.8 | 17.5 | 17.6 | 16.4 | 15.1 | 15.0 | 15.2 |
| 187 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 188 | 2 | M | 17.0 | 15.1 | 16.0 | 16.2 | 13.9 | 11.7 | --- | 16.4 | 13.5 | 18.0 | 18.4 | 7.9 | 10.3 | --- | --- | --- | --- | --- | --- | --- |
| 189 | 2 | M | 17.0 | 15.1 | 16.0 | 16.2 | 13.9 | 11.7 | --- | 16.4 | 13.5 | 18.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 190 | 2 | M | 17.3 | 17.0 | 18.1 | 16.6 | 16.6 | 16.3 | 17.0 | 17.6 | 16.7 | 16.9 | 16.4 | 17.1 | 16.9 | 17.0 | 18.1 | 17.4 | 18.3 | 16.9 | 18.4 | 16.9 |
| 191 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 192 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 193 | 2 | M | 14.5 | 14.1 | 15.2 | 15.1 | 13.4 | 12.1 | 12.1 | 8.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 194 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 195 | 2 | M | 14.5 | 14.1 | 15.2 | 15.1 | 13.4 | 12.1 | 12.1 | 8.9 | 16.0 | 17.0 | 17.3 | 17.6 | 17.9 | 16.6 | 17.3 | 18.3 | 18.0 | 17.9 | 18.1 | 17.1 |
| 196 | 2 | M | 14.8 | 13.9 | 15.1 | 13.9 | 15.0 | 14.3 | 15.4 | 14.9 | 15.4 | 15.3 | 15.5 | 15.9 | 14.2 | 14.5 | 14.5 | 14.4 | 13.3 | 11.6 | 8.8 | 14.1 |
| 197 | 2 | M | 14.8 | 13.9 | 15.1 | 13.9 | 15.0 | 14.3 | 15.4 | 14.9 | 15.4 | 15.3 | 15.5 | 15.9 | 14.2 | 14.5 | 14.5 | 14.4 | 13.3 | 11.6 | 8.8 | 14.1 |
| 198 | 2 | M | 14.8 | 13.9 | 15.1 | 13.9 | 15.0 | 14.3 | 15.4 | 14.9 | 15.4 | 15.3 | 15.5 | 15.9 | 14.2 | 14.5 | 14.5 | 14.4 | 13.3 | 11.6 | 8.8 | 14.1 |
| 199 | 2 | M | 16.6 | 17.4 | 16.9 | 17.1 | 16.2 | 14.6 | 14.7 | 14.9 | 14.7 | 9.3 | 16.3 | 17.9 | 17.0 | 18.4 | 18.0 | 18.1 | 17.3 | 19.1 | 20.3 | 19.6 |
| 200 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- - NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 39 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | 2 | M | 16.6 | 17.4 | 16.9 | 17.1 | 16.2 | 14.6 | 14.7 | 14.9 | 14.7 | 9.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 202 | 2 | M | 18.7 | 18.3 | 16.0 | 17.9 | 17.4 | 18.6 | 19.0 | 20.0 | 18.3 | 18.3 | 18.3 | 18.9 | 17.9 | 17.4 | 19.3 | 18.0 | 18.7 | 19.6 | 20.3 | 20.7 |
| 203 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 204 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 205 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 206 | 2 | M | 16.7 | 16.7 | 17.4 | 16.4 | 16.5 | 15.8 | 13.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 207 | 2 | M | 16.7 | 16.7 | 17.4 | 16.4 | 16.5 | 15.8 | 13.5 | 15.3 | 14.6 | 17.7 | 17.6 | 17.6 | 17.0 | 12.0 | 4.9 | 3.9 | --- | --- | --- | --- |
| 208 | 2 | M | 19.1 | 17.4 | 18.1 | 18.4 | --- | 20.1 | 19.4 | 19.0 | 19.1 | 20.0 | 20.4 | 19.0 | 18.1 | 17.9 | 20.6 | 19.6 | 19.0 | 15.6 | 14.0 | 10.7 |
| 209 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 210 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 211 | 2 | M | 13.4 | 12.4 | 13.3 | 10.8 | 16.3 | 9.7 | 14.8 | 14.5 | 10.7 | 6.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 212 | 2 | M | 13.4 | 12.4 | 13.3 | 10.8 | 16.3 | 9.7 | 14.8 | 14.5 | 10.7 | 6.4 | 13.3 | 14.9 | 13.7 | 13.1 | 15.6 | 15.4 | 13.3 | 13.0 | 7.8 | --- |
| 213 | 2 | M | 13.4 | 12.4 | 13.3 | 10.8 | 16.3 | 9.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 214 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 215 | 2 | M | 16.4 | 15.9 | 16.5 | 15.9 | 16.2 | 15.6 | 16.2 | 16.1 | 16.0 | 15.8 | 14.6 | 13.9 | 10.1 | 11.0 | 10.9 | 15.8 | 18.4 | 18.2 | 15.6 | 17.0 |
| 216 | 2 | M | 16.4 | 15.9 | 16.5 | 15.9 | 16.2 | 15.6 | 16.2 | 16.1 | 16.0 | 15.8 | 14.6 | 13.9 | 10.1 | 11.0 | 10.9 | 15.8 | 18.4 | 18.2 | 15.6 | 17.0 |
| 217 | 2 | M | 17.1 | 17.0 | 17.6 | 17.3 | 17.1 | 18.1 | 17.7 | 17.3 | 17.7 | 17.6 | 16.9 | 17.1 | 17.3 | 16.5 | 17.0 | 17.0 | 16.8 | 16.1 | 15.2 | 18.1 |
| 218 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 219 | 2 | M | 17.1 | 17.0 | 17.6 | 17.3 | 17.1 | 18.1 | 17.7 | 17.3 | 17.7 | 17.6 | 16.9 | 17.1 | 17.3 | 16.5 | 17.0 | 17.0 | 16.8 | 16.1 | 15.2 | 18.1 |
| 220 | 2 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 221 | 2 | M | 16.4 | 15.9 | 16.6 | 15.2 | 15.7 | 16.0 | 16.1 | 16.1 | 8.1 | 8.9 | 12.1 | 16.9 | 16.9 | 17.4 | 18.1 | 19.1 | 17.3 | 16.6 | 19.4 | 16.5 |
| 222 | 2 | M | 16.4 | 15.9 | 16.6 | 15.2 | 15.7 | 16.0 | 16.1 | 16.1 | 8.1 | 8.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 223 | 2 | M | 14.8 | 14.2 | 14.4 | 16.5 | 15.6 | 15.9 | 15.7 | 16.4 | 16.1 | 16.4 | 16.0 | 11.3 | 9.8 | 10.8 | 16.3 | 18.0 | 18.1 | 18.1 | 19.3 | 19.0 |
| 224 | 2 | M | 14.8 | 14.2 | 14.4 | 16.5 | 15.6 | 15.9 | 15.7 | 16.4 | 16.1 | 16.4 | 16.0 | 11.3 | 9.8 | 10.8 | --- | --- | --- | --- | --- | --- |
| 225 | 2 | M | 14.8 | 14.2 | 14.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 226 | 2 | F | 9.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 227 | 2 | F | 9.8 | 10.5 | 12.6 | 12.9 | 12.1 | 11.6 | 11.4 | 11.4 | 11.0 | 9.9 | 11.2 | 9.3 | 10.0 | 8.8 | 15.3 | 16.0 | 14.4 | 15.1 | 12.6 | 12.2 |
| 228 | 2 | F | 9.8 | 10.5 | 12.6 | 12.9 | 12.1 | 11.6 | 11.4 | 11.4 | 11.0 | 9.9 | 11.2 | 9.3 | 10.0 | 8.8 | --- | --- | --- | --- | --- | --- |
| 229 | 2 | F | 12.1 | 11.3 | 12.3 | 11.6 | 13.0 | 12.2 | 11.8 | 12.7 | 12.1 | 10.3 | 9.8 | 12.9 | 16.2 | 14.8 | 15.1 | 10.5 | 14.9 | 15.3 | 13.4 | 16.3 |
| 230 | 2 | F | 12.1 | 11.3 | 12.3 | 11.6 | 13.0 | 12.2 | 11.8 | 12.7 | 12.1 | 10.3 | 9.8 | 12.9 | 16.2 | 14.8 | 15.1 | 10.5 | --- | --- | --- | --- |
| 231 | 2 | F | 12.1 | 11.3 | 12.3 | 11.6 | 13.0 | 12.2 | 11.8 | 12.7 | 12.1 | 10.3 | 9.8 | 12.9 | --- | --- | --- | --- | --- | --- | --- | --- |
| 232 | 2 | F | 12.4 | 10.7 | 11.0 | 11.3 | 13.2 | 12.8 | 11.9 | 12.3 | 12.7 | 13.1 | 13.5 | 13.1 | 13.3 | 13.0 | 14.0 | 13.0 | 13.2 | 12.6 | 11.3 | 12.0 |
| 233 | 2 | F | 12.4 | 10.7 | 11.0 | 11.3 | 13.2 | 12.8 | 11.9 | 12.3 | 12.7 | 13.1 | 13.5 | 13.1 | 13.3 | 13.0 | 14.0 | 13.0 | 13.2 | 12.6 | 11.3 | 12.0 |
| 234 | 2 | F | 12.4 | 10.7 | 11.0 | 11.3 | 13.2 | 12.8 | 11.9 | 12.3 | 12.7 | 13.1 | 13.5 | 13.1 | 13.3 | 13.0 | 14.0 | 13.0 | 13.2 | 12.6 | 11.3 | 12.0 |
| 235 | 2 | F | 11.4 | 11.0 | 11.5 | 11.8 | 12.9 | 12.8 | 13.0 | 12.6 | 12.0 | 12.8 | 11.6 | 12.7 | 12.9 | 12.2 | 12.4 | 12.0 | 11.4 | 12.5 | 11.8 | 11.6 |
| 236 | 2 | F | 11.4 | 11.0 | 11.5 | 11.8 | 12.9 | 12.8 | 13.0 | 12.6 | 12.0 | 12.8 | 11.6 | 12.7 | 12.9 | 12.2 | 12.4 | 12.0 | 11.4 | 12.5 | 11.8 | 11.6 |
| 237 | 2 | F | 11.4 | 11.0 | 11.5 | 11.8 | 12.9 | 12.8 | 13.0 | 12.6 | 12.0 | 12.8 | 11.6 | 12.7 | 12.9 | 12.2 | 12.4 | 12.0 | 11.4 | 12.5 | 11.8 | 11.6 |
| 238 | 2 | F | 13.8 | 12.1 | 13.4 | 12.9 | 12.7 | 13.1 | 14.1 | 11.6 | 12.1 | 12.9 | 13.6 | 12.8 | 12.9 | 13.1 | 12.4 | 12.9 | 12.4 | 13.8 | 12.5 | 11.4 |
| 239 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 240 | 2 | F | 13.8 | 12.1 | 13.4 | 12.9 | 12.7 | 13.1 | 14.1 | 11.6 | 12.1 | 12.9 | 13.6 | 12.8 | 12.9 | 13.1 | 12.4 | 12.9 | 12.4 | 13.8 | 12.5 | 11.4 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 241 | 2 | F | 8.5 | 6.6 | 8.6 | 8.4 | 10.0 | 10.5 | 11.3 | 13.0 | 14.0 | 14.3 | 14.1 | 13.9 | 14.3 | 14.4 | 14.4 | 14.6 | 14.1 | 14.9 | 13.9 | 13.4 |
| 242 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 243 | 2 | F | 8.5 | 6.6 | 8.6 | 8.4 | 10.0 | 10.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 244 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 245 | 2 | F | 12.6 | 12.6 | 12.3 | 12.6 | 13.3 | 13.4 | 13.1 | 12.3 | 14.0 | 14.1 | 13.9 | 13.4 | 13.7 | 13.4 | 15.3 | 15.1 | 13.3 | 14.6 | 12.7 | 10.0 |
| 246 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 247 | 2 | F | 12.0 | 11.7 | 11.3 | 12.3 | 13.0 | 11.6 | 13.3 | 11.0 | 12.2 | 12.4 | 12.7 | 13.1 | 13.5 | 12.4 | 12.0 | 10.7 | 9.1 | 11.1 | 12.7 | 13.3 |
| 248 | 2 | F | 12.0 | 11.7 | 11.3 | 12.3 | 13.0 | 11.6 | 13.3 | 11.0 | 12.2 | 12.4 | 12.7 | 13.1 | 13.5 | 12.4 | 12.0 | 10.7 | 9.1 | --- | --- | --- |
| 249 | 2 | F | 12.0 | 11.7 | 11.3 | 12.3 | 13.0 | 11.6 | 13.3 | 11.0 | 12.2 | 12.4 | 12.7 | 13.1 | 13.5 | 12.4 | 12.0 | 10.7 | 9.1 | 11.1 | 12.7 | 13.3 |
| 250 | 2 | F | 13.1 | 11.9 | 11.9 | 12.1 | 13.1 | 12.8 | 13.0 | 13.0 | 13.0 | 12.3 | 13.1 | 11.4 | 12.6 | 12.0 | 9.6 | 8.9 | 10.6 | --- | --- | --- |
| 251 | 2 | F | 13.1 | 11.9 | 11.9 | 12.1 | 13.1 | 12.8 | 13.0 | 13.0 | 13.0 | 12.3 | 13.1 | 11.4 | 12.6 | 12.0 | 9.6 | 8.9 | 10.6 | 12.7 | 14.0 | 10.9 |
| 252 | 2 | F | 13.1 | 11.9 | 11.9 | 12.1 | 13.1 | 12.8 | 13.0 | 13.0 | 13.0 | 12.3 | 13.1 | 11.4 | 12.6 | 12.0 | 9.6 | 8.9 | 10.6 | 12.7 | 14.0 | 10.9 |
| 253 | 2 | F | 14.5 | 12.7 | 12.5 | 12.9 | 13.6 | 12.0 | 14.1 | 12.6 | 12.7 | 14.3 | 12.7 | 13.6 | 13.6 | 13.6 | 13.5 | 13.8 | 13.3 | 12.6 | 12.1 | 11.2 |
| 254 | 2 | F | 14.5 | 12.7 | 12.5 | 12.9 | 13.6 | 12.0 | 14.1 | 12.6 | 12.7 | 14.3 | 12.7 | 13.6 | 13.6 | 13.6 | 13.5 | 13.8 | 13.3 | 12.6 | 12.1 | 11.2 |
| 255 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 256 | 2 | F | 14.1 | 13.1 | 12.8 | 12.9 | 12.8 | 12.9 | 13.1 | 12.6 | 11.6 | 12.2 | 12.0 | 7.5 | 12.9 | 13.3 | 16.0 | 11.4 | 16.7 | 15.7 | 13.1 | 6.6 |
| 257 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 258 | 2 | F | 14.1 | 13.1 | 12.8 | 12.9 | 12.8 | 12.9 | 13.1 | 12.6 | 11.6 | 12.2 | 12.0 | 7.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 259 | 2 | F | 13.0 | 11.8 | 10.4 | 11.7 | 11.9 | 12.2 | 13.6 | 13.0 | 11.5 | 10.6 | 10.2 | 11.4 | 12.5 | 12.4 | 12.3 | 12.0 | 12.7 | 11.7 | 11.2 | 11.3 |
| 260 | 2 | F | 13.0 | 11.8 | 10.4 | 11.7 | 11.9 | 12.2 | 13.6 | 13.0 | 11.5 | 10.6 | 10.2 | 11.4 | 12.5 | 12.4 | 12.3 | 12.0 | 12.7 | 11.7 | 11.2 | 11.3 |
| 261 | 2 | F | 13.0 | 11.8 | 10.4 | 11.7 | 11.9 | 12.2 | 13.6 | 13.0 | 11.5 | 10.6 | 10.2 | 11.4 | 12.5 | 12.4 | 12.3 | 12.0 | 12.7 | 11.7 | 11.2 | 11.3 |
| 262 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 263 | 2 | F | 10.4 | 9.9 | 10.5 | 8.3 | 9.6 | 12.3 | 12.7 | 12.4 | 11.9 | 13.9 | 14.1 | 13.0 | 14.1 | 13.3 | 12.7 | 13.9 | 13.1 | 12.7 | 14.0 | 12.6 |
| 264 | 2 | F | 10.4 | 9.9 | 10.5 | 8.3 | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 265 | 2 | F | 12.5 | 11.8 | 12.8 | 12.5 | 13.1 | 12.9 | 14.0 | 12.6 | 12.3 | 12.7 | 12.9 | 13.2 | 13.4 | 13.6 | 12.1 | 12.6 | 12.6 | 12.1 | 14.0 | 11.4 |
| 266 | 2 | F | 12.5 | 11.8 | 12.8 | 12.5 | 13.1 | 12.9 | 14.0 | 12.6 | 12.3 | 12.7 | 12.9 | 13.2 | 13.4 | 13.6 | 12.1 | 12.6 | 12.6 | 12.1 | 14.0 | 11.4 |
| 267 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 268 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 269 | 2 | F | 12.9 | 12.1 | 12.9 | 12.4 | 13.3 | 13.2 | 13.8 | 13.1 | 12.9 | 13.9 | 13.9 | 13.1 | 14.0 | 13.4 | 10.0 | 8.2 | 15.0 | 15.4 | 15.8 | 14.6 |
| 270 | 2 | F | 12.9 | 12.1 | 12.9 | 12.4 | 13.3 | 13.2 | 13.8 | 13.1 | 12.9 | 13.9 | 13.9 | 13.1 | 14.0 | 13.4 | 10.0 | 8.2 | --- | --- | --- | --- |
| 271 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 272 | 2 | F | 15.3 | 13.4 | 14.7 | 14.9 | 15.3 | 13.9 | 14.7 | 13.7 | 16.3 | 15.6 | 16.3 | 15.9 | 17.4 | 16.3 | 15.0 | 13.7 | 16.9 | 15.7 | 15.0 | 15.5 |
| 273 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 274 | 2 | F | 13.9 | 11.9 | 12.6 | 12.7 | 13.0 | 12.2 | 14.2 | 12.1 | 12.0 | 12.4 | 13.3 | 15.1 | 13.9 | 14.8 | 13.6 | 13.9 | 12.4 | 11.5 | 13.3 | 14.0 |
| 275 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 276 | 2 | F | 13.9 | 11.9 | 12.6 | 12.7 | 13.0 | 12.2 | 14.2 | 12.1 | 12.0 | 12.4 | 13.3 | 15.1 | 13.9 | 14.8 | 13.6 | 13.9 | 12.4 | 11.5 | 13.3 | 14.0 |
| 277 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 278 | 2 | F | 12.7 | 12.4 | 12.7 | 13.0 | 13.3 | 13.1 | 13.9 | 12.9 | 14.0 | 14.0 | 14.6 | 14.4 | 13.9 | 13.7 | 12.4 | 12.7 | 13.4 | 15.3 | 17.6 | 15.4 |
| 279 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 280 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 2 | F | 14.1 | 10.1 | 14.9 | 14.1 | 15.4 | 15.4 | 13.9 | 7.4 | 14.1 | 15.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 282 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 283 | 2 | F | 11.2 | 11.6 | 11.3 | 11.6 | 12.3 | 11.6 | 11.4 | 10.4 | 10.5 | 12.5 | 13.3 | 13.0 | 12.9 | 12.7 | 11.9 | 13.4 | 11.2 | 12.9 | 13.6 | 13.0 |
| 284 | 2 | F | 11.2 | 11.6 | 11.3 | 11.6 | 12.3 | 11.6 | 11.4 | 10.4 | 10.5 | 12.5 | 13.3 | 13.0 | 12.9 | 12.7 | 11.9 | 13.4 | 11.2 | 12.9 | 13.6 | 13.0 |
| 285 | 2 | F | 11.2 | 11.6 | 11.3 | 11.6 | 12.3 | 11.6 | 11.4 | 10.4 | 10.5 | 12.5 | 13.3 | 13.0 | 12.9 | 12.7 | 11.9 | 13.4 | 11.2 | 12.9 | 13.6 | 13.0 |
| 286 | 2 | F | 12.1 | 10.9 | 11.3 | 11.1 | 11.9 | 12.3 | 12.1 | 11.4 | 12.1 | 11.6 | 13.2 | 12.0 | 12.2 | 10.4 | 7.8 | 7.4 | --- | --- | --- | --- |
| 287 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 288 | 2 | F | 12.1 | 10.9 | 11.3 | 11.1 | 11.9 | 12.3 | 12.1 | 11.4 | 12.1 | 11.6 | 13.2 | 12.0 | 12.2 | 10.4 | 7.8 | 7.4 | 11.7 | 14.1 | 14.0 | 12.3 |
| 289 | 2 | F | 11.0 | 11.0 | 11.5 | 10.4 | 11.9 | 11.5 | 11.5 | 11.6 | 10.9 | 11.0 | 11.2 | 8.9 | 8.9 | 8.9 | 9.5 | --- | --- | --- | --- | --- |
| 290 | 2 | F | 11.0 | 11.0 | 11.5 | 10.4 | 11.9 | 11.5 | 11.5 | 11.6 | 10.9 | 11.0 | 11.2 | 8.9 | 8.9 | 8.9 | 9.5 | 10.1 | 10.9 | 10.8 | 12.9 | 12.7 |
| 291 | 2 | F | 11.0 | 11.0 | 11.5 | 10.4 | 11.9 | 11.5 | 11.5 | 11.6 | 10.9 | 11.0 | 11.2 | 8.9 | 8.9 | 8.9 | 9.5 | 10.1 | 10.9 | 10.8 | 12.9 | 12.7 |
| 292 | 2 | F | 11.7 | 10.7 | 11.3 | 11.2 | 11.5 | 12.1 | 12.2 | 11.7 | 12.0 | 12.5 | 12.8 | 13.3 | 13.0 | 13.7 | 12.6 | 13.4 | 11.3 | 12.0 | 14.6 | 15.4 |
| 293 | 2 | F | 11.7 | 10.7 | 11.3 | 11.2 | 11.5 | 12.1 | 12.2 | 11.7 | 12.0 | 12.5 | 12.8 | 13.3 | 13.0 | 13.7 | 12.6 | 13.4 | 11.3 | 12.0 | 14.6 | 15.4 |
| 294 | 2 | F | 11.7 | 10.7 | 11.3 | 11.2 | 11.5 | 12.1 | 12.2 | 11.7 | 12.0 | 12.5 | 12.8 | 13.3 | 13.0 | 13.7 | 12.6 | 13.4 | 11.3 | 12.0 | --- | --- |
| 295 | 2 | F | 12.4 | 11.3 | 12.4 | 11.4 | 11.8 | 10.3 | 11.7 | 12.1 | 12.6 | 12.5 | 12.6 | 12.7 | 13.1 | 12.2 | 12.1 | 12.9 | 12.0 | 12.5 | 12.5 | 11.2 |
| 296 | 2 | F | 12.4 | 11.3 | 12.4 | 11.4 | 11.8 | 10.3 | 11.7 | 12.1 | 12.6 | 12.5 | 12.6 | 12.7 | 13.1 | 12.2 | 12.1 | 12.9 | 12.0 | 12.5 | 12.5 | 11.2 |
| 297 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 298 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 299 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 300 | 2 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 301 | 3 | M | 17.3 | 17.3 | 17.6 | 16.1 | 17.0 | 17.9 | 15.6 | 17.1 | 17.0 | 16.6 | 18.7 | 18.0 | 18.4 | 17.7 | 18.1 | 17.7 | 17.1 | 15.9 | 17.6 | 28.4 |
| 302 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 303 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 304 | 3 | M | 15.8 | 15.2 | 14.6 | 16.1 | 15.6 | 15.7 | 15.6 | 15.0 | 16.8 | 14.1 | 15.6 | 14.1 | 17.0 | 14.9 | 15.4 | 15.5 | 14.1 | 11.8 | 8.5 | --- |
| 305 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 306 | 3 | M | 15.8 | 15.2 | 14.6 | 16.1 | 15.6 | 15.7 | 15.6 | 15.0 | 16.8 | 14.1 | 15.6 | 14.1 | 17.0 | 14.9 | 15.4 | 15.5 | 14.1 | 11.8 | 8.5 | 13.0 |
| 307 | 3 | M | 15.6 | 15.1 | 14.4 | 15.5 | 15.4 | 14.8 | 14.8 | 15.4 | 14.9 | 11.9 | 13.2 | 14.6 | 15.4 | 15.3 | 15.1 | 16.0 | 14.9 | 14.5 | 15.0 | 15.6 |
| 308 | 3 | M | 15.6 | 15.1 | 14.4 | 15.5 | 15.4 | 14.8 | 14.8 | 15.4 | 14.9 | 11.9 | 13.2 | 14.6 | 15.4 | 15.3 | 15.1 | 16.0 | 14.9 | 14.5 | 15.0 | 15.6 |
| 309 | 3 | M | 15.6 | 15.1 | 14.4 | 15.5 | 15.4 | 14.8 | 14.8 | 15.4 | 14.9 | 11.9 | 13.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 310 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 311 | 3 | M | 16.6 | 16.4 | 16.9 | 15.6 | 18.0 | 17.1 | 17.4 | 18.3 | 17.9 | 18.0 | 18.6 | 19.4 | 19.7 | 18.0 | 18.4 | 16.1 | --- | --- | --- | --- |
| 312 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 313 | 3 | M | 16.1 | 15.3 | 14.6 | 15.9 | 15.4 | 15.6 | 15.7 | 16.5 | 15.4 | 15.7 | 15.2 | 15.3 | 15.1 | 14.7 | 14.6 | 15.1 | 14.6 | 12.6 | 13.7 | 15.0 |
| 314 | 3 | M | 16.1 | 15.3 | 14.6 | 15.9 | 15.4 | 15.6 | 15.7 | 16.5 | 15.4 | 15.7 | 15.2 | 15.3 | 15.1 | 14.7 | 14.6 | 15.1 | 14.6 | 12.6 | --- | --- |
| 315 | 3 | M | 16.1 | 15.3 | 14.6 | 15.9 | 15.4 | 15.6 | 15.7 | 16.5 | 15.4 | 15.7 | 15.2 | 15.3 | 15.1 | 14.7 | 14.6 | 15.1 | 14.6 | 12.6 | 13.7 | 15.0 |
| 316 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 317 | 3 | M | 18.4 | 16.6 | 16.9 | 16.9 | 17.2 | 16.6 | 18.5 | 16.3 | 16.4 | 15.6 | 9.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 318 | 3 | M | 18.4 | 16.6 | 16.9 | 16.9 | 17.2 | 16.6 | 18.5 | 16.3 | 16.4 | 15.6 | 9.7 | 17.1 | 18.1 | 17.9 | 17.6 | 19.4 | 17.3 | 16.4 | 17.9 | 17.6 |
| 319 | 3 | M | 15.9 | 15.8 | 15.7 | 17.3 | 15.5 | 15.7 | 15.6 | 15.6 | 14.3 | 15.9 | 15.9 | 15.6 | 15.2 | 15.4 | 15.6 | 15.4 | 14.6 | 14.9 | 14.1 | 13.6 |
| 320 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 321 | 3 | M | 15.9 | 15.8 | 15.7 | 17.3 | 15.5 | 15.7 | 15.6 | 15.6 | 14.3 | 15.9 | 15.9 | 15.6 | 15.2 | 15.4 | 15.6 | 15.4 | 14.6 | 14.9 | 14.1 | 13.6 |
| 322 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 323 | 3 | M | 17.6 | 15.4 | 14.9 | 15.9 | 17.1 | 17.7 | 18.3 | 19.0 | 17.6 | 18.7 | 17.6 | 18.3 | 17.7 | 17.3 | 17.0 | 17.1 | 12.0 | 6.1 | 4.3 | 2.0 |
| 324 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 325 | 3 | M | 15.6 | 14.6 | 15.3 | 15.2 | 15.3 | 15.9 | 14.7 | 14.9 | 15.1 | 13.6 | 11.4 | 11.1 | 9.4 | --- | --- | --- | --- | --- | --- | --- |
| 326 | 3 | M | 15.6 | 14.6 | 15.3 | 15.2 | 15.3 | 15.9 | 14.7 | 14.9 | 15.1 | 13.6 | 11.4 | 11.1 | 9.4 | 8.1 | 8.4 | 9.3 | 8.7 | 4.0 | --- | --- |
| 327 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 328 | 3 | M | 14.4 | 14.2 | 16.0 | 15.5 | 15.6 | 15.8 | 14.0 | 15.4 | 15.7 | 15.8 | 15.5 | 16.0 | 15.8 | 15.1 | 14.2 | 14.9 | 13.9 | 12.8 | 9.5 | 16.9 |
| 329 | 3 | M | 14.4 | 14.2 | 16.0 | 15.5 | 15.6 | 15.8 | 14.0 | 15.4 | 15.7 | 15.8 | 15.5 | 16.0 | 15.8 | 15.1 | 14.2 | 14.9 | 13.9 | 12.8 | 9.5 | --- |
| 330 | 3 | M | 14.4 | 14.2 | 16.0 | 15.5 | 15.6 | 15.8 | 14.0 | 15.4 | 15.7 | 15.8 | 15.5 | 16.0 | 15.8 | 15.1 | 14.2 | --- | --- | --- | --- | --- |
| 331 | 3 | M | 16.1 | 14.9 | 15.8 | 15.0 | 12.1 | 14.9 | 15.4 | 15.0 | 15.6 | 15.1 | 17.3 | 17.9 | 16.7 | --- | --- | --- | --- | --- | --- | --- |
| 332 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 333 | 3 | M | 16.1 | 14.9 | 15.8 | 15.0 | 12.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 334 | 3 | M | 16.1 | 15.1 | 15.3 | 15.1 | 16.0 | 15.8 | 15.4 | 10.6 | 11.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 335 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 336 | 3 | M | 16.1 | 15.1 | 15.3 | 15.1 | 16.0 | 15.8 | 15.4 | 10.6 | 11.5 | 17.3 | 18.9 | 20.7 | 19.3 | 19.0 | 19.9 | 18.9 | 17.9 | 17.9 | 19.6 | 16.9 |
| 337 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 338 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 339 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 340 | 3 | M | 15.5 | 15.2 | 16.1 | 15.0 | 15.7 | 14.9 | 16.1 | 15.4 | 15.8 | 15.9 | 15.2 | 15.1 | 15.4 | 14.8 | 14.6 | 14.6 | 14.6 | 13.7 | 14.3 | 13.4 |
| 341 | 3 | M | 15.5 | 15.2 | 16.1 | 15.0 | 15.7 | 14.9 | 16.1 | 15.4 | 15.8 | 15.9 | 15.2 | 15.1 | 15.4 | 14.8 | 14.6 | 14.6 | 14.6 | 13.7 | 14.3 | 13.4 |
| 342 | 3 | M | 15.5 | 15.2 | 16.1 | 15.0 | 15.7 | 14.9 | 16.1 | 15.4 | 15.8 | 15.9 | 15.2 | 15.1 | 15.4 | 14.8 | 14.6 | 14.6 | 14.6 | 13.7 | 14.3 | 13.4 |
| 343 | 3 | M | 16.2 | 16.3 | 16.6 | 14.8 | 10.9 | 11.5 | 14.8 | 17.4 | 15.3 | 15.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 344 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 345 | 3 | M | 16.2 | 16.3 | 16.6 | 14.8 | 10.9 | 11.5 | 14.8 | 17.4 | 15.3 | 15.2 | 14.4 | 17.9 | 18.3 | 18.1 | 16.3 | 16.0 | 17.9 | 14.4 | 17.7 | 7.8 |
| 346 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 347 | 3 | M | 18.7 | 17.4 | 17.4 | 17.3 | 18.1 | 18.0 | 17.3 | 18.4 | 17.4 | 18.1 | 19.0 | 19.0 | 18.6 | 19.1 | 19.4 | 19.3 | 17.9 | 18.4 | 18.9 | 18.6 |
| 348 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 349 | 3 | M | 15.4 | 14.9 | 15.0 | 13.5 | 13.0 | 13.0 | 14.7 | 16.7 | 17.3 | 17.1 | 15.7 | 15.4 | 10.1 | 16.0 | 17.0 | 16.9 | --- | --- | --- | --- |
| 350 | 3 | M | 15.4 | 14.9 | 15.0 | 13.5 | 13.0 | 13.0 | 14.7 | 16.7 | 17.3 | 17.1 | 15.7 | 15.4 | 10.1 | --- | --- | --- | --- | --- | --- | --- |
| 351 | 3 | M | 15.4 | 14.9 | 15.0 | 13.5 | 13.0 | 13.0 | 14.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 352 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 353 | 3 | M | 17.3 | 15.9 | 17.0 | 16.8 | 16.8 | 17.2 | 13.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 354 | 3 | M | 17.3 | 15.9 | 17.0 | 16.8 | 16.8 | 17.2 | 13.3 | 17.3 | 18.6 | 19.0 | 19.6 | 19.9 | 19.6 | 19.9 | 17.9 | 19.1 | 18.0 | 17.7 | 19.0 | 17.6 |
| 355 | 3 | M | 14.2 | 14.4 | 14.2 | 14.7 | 14.7 | 14.5 | 14.9 | 15.3 | 14.3 | 14.3 | 14.6 | 14.6 | 14.9 | 14.5 | 14.2 | 14.7 | 14.7 | 14.1 | 13.8 | 14.5 |
| 356 | 3 | M | 14.2 | 14.4 | 14.2 | 14.7 | 14.7 | 14.5 | 14.9 | 15.3 | 14.3 | 14.3 | 14.6 | 14.6 | 14.9 | 14.5 | 14.2 | 14.7 | 14.7 | 14.1 | 13.8 | 14.5 |
| 357 | 3 | M | 14.2 | 14.4 | 14.2 | 14.7 | 14.7 | 14.5 | 14.9 | 15.3 | 14.3 | 14.3 | 14.6 | 14.6 | 14.9 | 14.5 | 14.2 | 14.7 | 14.7 | 14.1 | 13.8 | 14.5 |
| 358 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 359 | 3 | M | 16.4 | 15.6 | 16.4 | 15.7 | 16.7 | 16.6 | 16.1 | 16.8 | 16.1 | 15.9 | 16.5 | 16.4 | 16.8 | 15.8 | 16.6 | 15.9 | 15.6 | 15.2 | 10.1 | 16.5 |
| 360 | 3 | M | 16.4 | 15.6 | 16.4 | 15.7 | 16.7 | 16.6 | 16.1 | 16.8 | 16.1 | 15.9 | 16.5 | 16.4 | 16.8 | 15.8 | 16.6 | 15.9 | 15.6 | 15.2 | 10.1 | 16.5 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 361 | 3 | M | 15.9 | 14.7 | 14.4 | 15.6 | 15.4 | 14.8 | 15.3 | 15.9 | 11.0 | 8.7 | 13.8 | 11.6 | 9.9 | 12.6 | 15.1 | --- | --- | --- | --- | --- |
| 362 | 3 | M | 15.9 | 14.7 | 14.4 | 15.6 | 15.4 | 14.8 | 15.3 | 15.9 | 11.0 | 8.7 | 13.8 | 11.6 | 9.9 | --- | --- | --- | --- | --- | --- | --- |
| 363 | 3 | M | 15.9 | 14.7 | 14.4 | 15.6 | 15.4 | 14.8 | 15.3 | 15.9 | 11.0 | 8.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 364 | 3 | M | 16.0 | 15.3 | 15.1 | 15.1 | 15.5 | 15.1 | 16.0 | 16.5 | 15.9 | 16.1 | 16.4 | 15.6 | 16.0 | 16.4 | 16.6 | 16.5 | 16.5 | 17.4 | 10.1 | 11.8 |
| 365 | 3 | M | 16.0 | 15.3 | 15.1 | 15.1 | 15.5 | 15.1 | 16.0 | 16.5 | 15.9 | 16.1 | 16.4 | 15.6 | 16.0 | 16.4 | 16.6 | 16.5 | 16.5 | 17.4 | 10.1 | 11.8 |
| 366 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 367 | 3 | M | 15.4 | 14.9 | 14.4 | 14.8 | 14.1 | 14.1 | 14.9 | 14.5 | 14.7 | 12.8 | 11.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 368 | 3 | M | 15.4 | 14.9 | 14.4 | 14.8 | 14.1 | 14.1 | 14.9 | 14.5 | 14.7 | 12.8 | 11.4 | 16.3 | 16.2 | 16.3 | 16.1 | 15.2 | 10.1 | 11.9 | 16.4 | 18.0 |
| 369 | 3 | M | 15.4 | 14.9 | 14.4 | 14.8 | 14.1 | 14.1 | 14.9 | 14.5 | 14.7 | 12.8 | 11.4 | 16.3 | 16.2 | 16.3 | 16.1 | 15.2 | 10.1 | 11.9 | --- | --- |
| 370 | 3 | M | 14.0 | 14.0 | 13.5 | 14.4 | 14.4 | 14.6 | 13.5 | 14.3 | 14.1 | 14.7 | 14.1 | 12.4 | 9.2 | 16.6 | 17.3 | 17.7 | 16.7 | 16.0 | 18.3 | 17.0 |
| 371 | 3 | M | 14.0 | 14.0 | 13.5 | 14.4 | 14.4 | 14.6 | 13.5 | 14.3 | 14.1 | 14.7 | 14.1 | 12.4 | 9.2 | --- | --- | --- | --- | --- | --- | --- |
| 372 | 3 | M | 14.0 | 14.0 | 13.5 | 14.4 | 14.4 | 14.6 | 13.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 373 | 3 | M | 16.0 | 14.9 | 13.3 | 13.9 | 16.4 | 15.4 | 14.5 | 16.6 | 15.4 | 15.0 | 15.7 | 15.3 | 10.3 | --- | --- | --- | --- | --- | --- | --- |
| 374 | 3 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 375 | 3 | M | 16.0 | 14.9 | 13.3 | 13.9 | 16.4 | 15.4 | 14.5 | 16.6 | 15.4 | 15.0 | 15.7 | 15.3 | 10.3 | 15.7 | 16.4 | 17.3 | 17.6 | 16.6 | 15.1 | 18.6 |
| 376 | 3 | F | 11.9 | 11.6 | 9.7 | 11.0 | 12.7 | 12.3 | 20.4 | 12.4 | 12.6 | 13.0 | 13.6 | 13.6 | 13.9 | 14.1 | 13.6 | 13.6 | 12.7 | 13.4 | 13.6 | 14.0 |
| 377 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 378 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 379 | 3 | F | 10.9 | 10.2 | 10.7 | 10.6 | 11.5 | 11.2 | 11.1 | 11.4 | 11.8 | 12.3 | 13.2 | 12.2 | 12.6 | 12.1 | 12.4 | 12.2 | 12.1 | 11.7 | 12.1 | 11.4 |
| 380 | 3 | F | 10.9 | 10.2 | 10.7 | 10.6 | 11.5 | 11.2 | 11.1 | 11.4 | 11.8 | 12.3 | 13.2 | 12.2 | 12.6 | 12.1 | 12.4 | 12.2 | 12.1 | 11.7 | 12.1 | 11.4 |
| 381 | 3 | F | 10.9 | 10.2 | 10.7 | 10.6 | 11.5 | 11.2 | 11.1 | 11.4 | 11.8 | 12.3 | 13.2 | 12.2 | 12.6 | 12.1 | 12.4 | 12.2 | 12.1 | 11.7 | 12.1 | 11.4 |
| 382 | 3 | F | 13.1 | 11.3 | 11.9 | 10.7 | 12.5 | 11.8 | 12.3 | 10.6 | 11.7 | 12.1 | 14.1 | 15.0 | 15.1 | 14.5 | 13.3 | 13.1 | 13.3 | 12.0 | 12.2 | 11.9 |
| 383 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 384 | 3 | F | 13.1 | 11.3 | 11.9 | 10.7 | 12.5 | 11.8 | 12.3 | 10.6 | 11.7 | 12.1 | 14.1 | 15.0 | 15.1 | 14.5 | 13.3 | 13.1 | 13.3 | 12.0 | 12.2 | 11.9 |
| 385 | 3 | F | 12.3 | 12.2 | 11.6 | 11.9 | 13.4 | 13.6 | 13.9 | 13.4 | 14.0 | 13.6 | 15.0 | 13.9 | 15.4 | 16.0 | 12.3 | 12.6 | 16.1 | 14.3 | 15.0 | 15.0 |
| 386 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 387 | 3 | F | 12.3 | 12.2 | 11.6 | 11.9 | 13.4 | 13.6 | 13.9 | 13.4 | 14.0 | 13.6 | 15.0 | 13.9 | 15.4 | 16.0 | 12.3 | 12.6 | --- | --- | --- | --- |
| 388 | 3 | F | 11.1 | 10.3 | 11.0 | 11.9 | 11.3 | 11.5 | 11.8 | 12.0 | 12.6 | 11.5 | 12.4 | 12.4 | 12.3 | 11.5 | 11.9 | 11.2 | 10.1 | 9.1 | 9.2 | 8.4 |
| 389 | 3 | F | 11.1 | 10.3 | 11.0 | 11.9 | 11.3 | 11.5 | 11.8 | 12.0 | 12.6 | 11.5 | 12.4 | 12.4 | 12.3 | 11.5 | 11.9 | 11.2 | 10.1 | 9.1 | 9.2 | 8.4 |
| 390 | 3 | F | 11.1 | 10.3 | 11.0 | 11.9 | 11.3 | 11.5 | 11.8 | 12.0 | 12.6 | 11.5 | 12.4 | 12.4 | 12.3 | 11.5 | 11.9 | 11.2 | 10.1 | 9.1 | 9.2 | 8.4 |
| 391 | 3 | F | 11.3 | 9.3 | 9.6 | 9.0 | 9.4 | 12.2 | 12.7 | 11.9 | 11.6 | 13.1 | 12.9 | 12.2 | 13.4 | 13.4 | 14.2 | 13.2 | 12.0 | 12.8 | 14.4 | 11.9 |
| 392 | 3 | F | 11.3 | 9.3 | 9.6 | 9.0 | 9.4 | 12.2 | 12.7 | 11.9 | 11.6 | 13.1 | 12.9 | 12.2 | 13.4 | 13.4 | 14.2 | 13.2 | 12.0 | 12.8 | 14.4 | 11.9 |
| 393 | 3 | F | 11.3 | 9.3 | 9.6 | 9.0 | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 394 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 395 | 3 | F | 14.4 | 12.9 | 13.4 | 13.6 | 14.3 | 13.4 | 13.3 | 12.1 | 15.6 | 14.6 | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 396 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 397 | 3 | F | 12.0 | 11.8 | 11.6 | 11.8 | 12.4 | 12.6 | 12.9 | 12.1 | 12.6 | 8.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 398 | 3 | F | 12.0 | 11.8 | 11.6 | 11.8 | 12.4 | 12.6 | 12.9 | 12.1 | 12.6 | 8.5 | 13.9 | 13.9 | 14.4 | 11.1 | 6.9 | 14.4 | 13.6 | 14.1 | 12.3 | 14.2 |
| 399 | 3 | F | 12.0 | 11.8 | 11.6 | 11.8 | 12.4 | 12.6 | 12.9 | 12.1 | 12.6 | 8.5 | 13.9 | 13.9 | 14.4 | 11.1 | 6.9 | --- | --- | --- | --- | --- |
| 400 | 3 | F | 11.5 | 10.9 | 11.8 | 12.2 | 12.5 | 12.6 | 12.7 | 11.3 | 11.6 | 12.2 | 12.8 | 12.4 | 12.5 | 12.2 | 12.0 | 10.6 | 11.8 | 12.4 | 11.8 | 10.8 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | 3 | F | 11.5 | 10.9 | 11.8 | 12.2 | 12.5 | 12.6 | 12.7 | 11.3 | 11.6 | 12.2 | 12.8 | 12.4 | 12.5 | 12.2 | 12.0 | 10.6 | 11.8 | 12.4 | 11.8 | 10.8 |
| 402 | 3 | F | 11.5 | 10.9 | 11.8 | 12.2 | 12.5 | 12.6 | 12.7 | 11.3 | 11.6 | 12.2 | 12.8 | 12.4 | 12.5 | 12.2 | 12.0 | 10.6 | 11.8 | 12.4 | 11.8 | 10.8 |
| 403 | 3 | F | 12.8 | 11.7 | 12.2 | 12.4 | 12.8 | 12.6 | 13.5 | 13.0 | 12.4 | 12.2 | 12.8 | 12.4 | 12.1 | 11.3 | 9.7 | 9.3 | 12.7 | 12.5 | 11.6 | 12.1 |
| 404 | 3 | F | 12.8 | 11.7 | 12.2 | 12.4 | 12.8 | 12.6 | 13.5 | 13.0 | 12.4 | 12.2 | 12.8 | 12.4 | 12.1 | 11.3 | 9.7 | 9.3 | --- | --- | --- | --- |
| 405 | 3 | F | 12.8 | 11.7 | 12.2 | 12.4 | 12.8 | 12.6 | 13.5 | 13.0 | 12.4 | 12.2 | 12.8 | 12.4 | 12.1 | 11.3 | 9.7 | 9.3 | 12.7 | 12.5 | 11.6 | 12.1 |
| 406 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 407 | 3 | F | 14.7 | 13.1 | 15.0 | 14.0 | 14.6 | 15.1 | 14.9 | 13.0 | 14.3 | 15.7 | 15.3 | 14.3 | 14.7 | 16.7 | 16.1 | 15.7 | 15.7 | 16.6 | 15.1 | 16.6 |
| 408 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 409 | 3 | F | 11.3 | 10.9 | 11.5 | 11.3 | 12.4 | 11.8 | 10.9 | 12.1 | 11.2 | 11.5 | 12.4 | 12.8 | 11.6 | 13.9 | 12.3 | 11.1 | 12.5 | 13.6 | 11.8 | 13.1 |
| 410 | 3 | F | 11.3 | 10.9 | 11.5 | 11.3 | 12.4 | 11.8 | 10.9 | 12.1 | 11.2 | 11.5 | 12.4 | 12.8 | 11.6 | 13.9 | 12.3 | 11.1 | 12.5 | 13.6 | 11.8 | 13.1 |
| 411 | 3 | F | 11.3 | 10.9 | 11.5 | 11.3 | 12.4 | 11.8 | 10.9 | 12.1 | 11.2 | 11.5 | 12.4 | 12.8 | 11.6 | 13.9 | 12.3 | 11.1 | --- | --- | --- | --- |
| 412 | 3 | F | 11.3 | 8.2 | 7.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 413 | 3 | F | 11.3 | 8.2 | 7.2 | 11.7 | 13.7 | 13.1 | 14.4 | 13.4 | 13.1 | 14.0 | 15.3 | 14.9 | 15.6 | 14.4 | 14.6 | 15.4 | 14.7 | 15.4 | 13.4 | 10.1 |
| 414 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 415 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 416 | 3 | F | 12.7 | 12.3 | 12.9 | 12.1 | 13.4 | 12.8 | 13.1 | 11.5 | 13.1 | 13.7 | 12.8 | 10.4 | 7.5 | 7.6 | 13.7 | 15.0 | 16.0 | 13.7 | 14.6 | 13.6 |
| 417 | 3 | F | 12.7 | 12.3 | 12.9 | 12.1 | 13.4 | 12.8 | 13.1 | 11.5 | 13.1 | 13.7 | 12.8 | 10.4 | 7.5 | 7.6 | --- | --- | --- | --- | --- | --- |
| 418 | 3 | F | 12.5 | 11.4 | 11.5 | 12.3 | 12.7 | 12.6 | 13.1 | 11.9 | 12.6 | 13.0 | 13.6 | 12.4 | 13.4 | 13.1 | 13.3 | 13.4 | 13.0 | 11.9 | 12.4 | 12.6 |
| 419 | 3 | F | 12.5 | 11.4 | 11.5 | 12.3 | 12.7 | 12.6 | 13.1 | 11.9 | 12.6 | 13.0 | 13.6 | 12.4 | 13.4 | 13.1 | 13.3 | 13.4 | 13.0 | 11.9 | 12.4 | 12.6 |
| 420 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 421 | 3 | F | 12.3 | 12.0 | 11.4 | 11.7 | 12.2 | 12.2 | 12.4 | 11.0 | 12.1 | 12.2 | 12.5 | 12.9 | 13.1 | 12.2 | 12.3 | 12.9 | 12.0 | 11.9 | 11.6 | 12.0 |
| 422 | 3 | F | 12.3 | 12.0 | 11.4 | 11.7 | 12.2 | 12.2 | 12.4 | 11.0 | 12.1 | 12.2 | 12.5 | 12.9 | 13.1 | 12.2 | 12.3 | 12.9 | 12.0 | 11.9 | 11.6 | 12.0 |
| 423 | 3 | F | 12.3 | 12.0 | 11.4 | 11.7 | 12.2 | 12.2 | 12.4 | 11.0 | 12.1 | 12.2 | 12.5 | 12.9 | 13.1 | 12.2 | 12.3 | 12.9 | 12.0 | 11.9 | 11.6 | 12.0 |
| 424 | 3 | F | 13.4 | 12.2 | 13.4 | 11.9 | 13.8 | 14.3 | 14.7 | 13.4 | 13.3 | 13.7 | 14.5 | 14.1 | 14.6 | 14.9 | 15.8 | 14.1 | 14.6 | 14.1 | 13.5 | 13.9 |
| 425 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 426 | 3 | F | 13.4 | 12.2 | 13.4 | 11.9 | 13.8 | 14.3 | 14.7 | 13.4 | 13.3 | 13.7 | 14.5 | 14.1 | 14.6 | 14.9 | 15.8 | 14.1 | 14.6 | 14.1 | 13.5 | 13.9 |
| 427 | 3 | F | 14.9 | 12.4 | 14.6 | 14.0 | 13.6 | 14.1 | 13.7 | 13.4 | 13.0 | 13.3 | 14.1 | 14.9 | 14.6 | 13.3 | 14.1 | 14.7 | 14.1 | 13.7 | 12.7 | 13.6 |
| 428 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 429 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 430 | 3 | F | 12.7 | 12.7 | 11.7 | 12.5 | 12.4 | 12.4 | 12.0 | 11.6 | 12.2 | 13.0 | 13.0 | 12.5 | 13.1 | 12.7 | 12.8 | 12.9 | 11.8 | 11.1 | 11.4 | 11.5 |
| 431 | 3 | F | 12.7 | 12.7 | 11.7 | 12.5 | 12.4 | 12.4 | 12.0 | 11.6 | 12.2 | 13.0 | 13.0 | 12.5 | 13.1 | 12.7 | 12.8 | 12.9 | 11.8 | 11.1 | 11.4 | 11.5 |
| 432 | 3 | F | 12.7 | 12.7 | 11.7 | 12.5 | 12.4 | 12.4 | 12.0 | 11.6 | 12.2 | 13.0 | 13.0 | 12.5 | 13.1 | 12.7 | 12.8 | 12.9 | 11.8 | 11.1 | 11.4 | 11.5 |
| 433 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 434 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 435 | 3 | F | 13.7 | 13.1 | 13.4 | 12.3 | 14.0 | 10.6 | 16.7 | 12.4 | 11.1 | 12.1 | 13.1 | 13.3 | 16.0 | 13.6 | --- | --- | --- | --- | --- | --- |
| 436 | 3 | F | 12.4 | 11.6 | 10.9 | 12.3 | 12.8 | 12.8 | 12.8 | 11.4 | 11.2 | 9.7 | 8.4 | 12.4 | 12.6 | 12.3 | 12.6 | 11.9 | 9.2 | 6.5 | 12.3 | 12.7 |
| 437 | 3 | F | 12.4 | 11.6 | 10.9 | 12.3 | 12.8 | 12.8 | 12.8 | 11.4 | 11.2 | 9.7 | 8.4 | 12.4 | 12.6 | 12.3 | 12.6 | 11.9 | 9.2 | 6.5 | --- | --- |
| 438 | 3 | F | 12.4 | 11.6 | 10.9 | 12.3 | 12.8 | 12.8 | 12.8 | 11.4 | 11.2 | 9.7 | 8.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 439 | 3 | F | 10.8 | 11.3 | 11.3 | 11.8 | 11.6 | 11.8 | 12.0 | 11.4 | 11.8 | 12.4 | 11.8 | 12.1 | 12.1 | 11.6 | 10.1 | 11.1 | 11.6 | 12.3 | 9.3 | --- |
| 440 | 3 | F | 10.8 | 11.3 | 11.3 | 11.8 | 11.6 | 11.8 | 12.0 | 11.4 | 11.8 | 12.4 | 11.8 | 12.1 | 12.1 | 11.6 | 10.1 | 11.1 | 11.6 | 12.3 | 9.3 | 5.6 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 441 | 3 | F | 10.8 | 11.3 | 11.3 | 11.8 | 11.6 | 11.8 | 12.0 | 11.4 | 11.8 | 12.4 | 11.8 | 12.1 | 12.1 | 11.6 | 10.1 | 11.1 | 11.6 | 12.3 | 9.3 | 5.6 |
| 442 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 443 | 3 | F | 12.4 | 12.1 | 14.1 | 13.0 | 13.6 | 10.9 | 12.6 | 14.4 | 13.4 | 13.0 | --- | 14.1 | 13.1 | 13.7 | 15.6 | 14.7 | 13.9 | 13.7 | 14.3 | 13.0 |
| 444 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 445 | 3 | F | 11.8 | 11.7 | 15.2 | 11.9 | 12.6 | 12.4 | 12.6 | 12.4 | 12.6 | 12.9 | 16.0 | 12.5 | 13.2 | 13.0 | 12.5 | 12.9 | 12.3 | 12.1 | 12.9 | 12.3 |
| 446 | 3 | F | 11.8 | 11.7 | 15.2 | 11.9 | 12.6 | 12.4 | 12.6 | 12.4 | 12.6 | 12.9 | 16.0 | 12.5 | 13.2 | 13.0 | 12.5 | 12.9 | 12.3 | 12.1 | 12.9 | 12.3 |
| 447 | 3 | F | 11.8 | 11.7 | 15.2 | 11.9 | 12.6 | 12.4 | 12.6 | 12.4 | 12.6 | 12.9 | 16.0 | 12.5 | 13.2 | 13.0 | 12.5 | 12.9 | 12.3 | 12.1 | 12.9 | 12.3 |
| 448 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 449 | 3 | F | 12.3 | 14.9 | --- | 12.0 | 12.6 | 13.6 | 13.6 | 10.9 | 12.1 | 12.4 | 13.0 | 12.9 | 15.3 | 13.6 | 3.4 | --- | --- | --- | --- | --- |
| 450 | 3 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 451 | 4 | M | 15.6 | 15.0 | 14.2 | 14.0 | 14.6 | 15.0 | 15.0 | 15.8 | 14.6 | 14.4 | 15.0 | 14.4 | 14.2 | 14.1 | 14.6 | 14.6 | 13.9 | 13.8 | 13.5 | 13.8 |
| 452 | 4 | M | 15.6 | 15.0 | 14.2 | 14.0 | 14.6 | 15.0 | 15.0 | 15.8 | 14.6 | 14.4 | 15.0 | 14.4 | 14.2 | 14.1 | 14.6 | 14.6 | 13.9 | 13.8 | 13.5 | 13.8 |
| 453 | 4 | M | 15.6 | 15.0 | 14.2 | 14.0 | 14.6 | 15.0 | 15.0 | 15.8 | 14.6 | 14.4 | 15.0 | 14.4 | 14.2 | 14.1 | 14.6 | 14.6 | 13.9 | 13.8 | 13.5 | 13.8 |
| 454 | 4 | M | 18.3 | 16.9 | 16.4 | 17.6 | 16.9 | 17.7 | 16.9 | 16.3 | 11.4 | 18.6 | 16.7 | 18.0 | 17.4 | 17.3 | 16.9 | 17.6 | 17.0 | 16.4 | 15.4 | 15.9 |
| 455 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 456 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 457 | 4 | M | 15.9 | 16.0 | 15.4 | 15.1 | 15.4 | 15.0 | 13.9 | 14.4 | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 458 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 459 | 4 | M | 15.9 | 16.0 | 15.4 | 15.1 | 15.4 | 15.0 | 13.9 | 14.4 | 10.0 | 12.9 | 14.6 | 14.7 | 14.9 | 15.0 | 15.7 | 15.3 | 14.6 | 15.0 | 15.4 | 16.5 |
| 460 | 4 | M | 16.7 | 15.1 | 15.0 | 15.0 | 16.6 | 16.1 | 15.0 | 15.6 | 14.9 | 14.8 | 14.7 | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- |
| 461 | 4 | M | 16.7 | 15.1 | 15.0 | 15.0 | 16.6 | 16.1 | 15.0 | 15.6 | 14.9 | 14.8 | 14.7 | 9.6 | 14.5 | 15.3 | 15.1 | 14.6 | 14.4 | 10.3 | 0.8 | --- |
| 462 | 4 | M | 16.7 | 15.1 | 15.0 | 15.0 | 16.6 | 16.1 | 15.0 | 15.6 | 14.9 | 14.8 | 14.7 | 9.6 | 14.5 | 15.3 | 15.1 | 14.6 | 14.4 | 10.3 | 0.8 | 0.4 |
| 463 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 464 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 465 | 4 | M | 16.4 | 16.1 | 15.4 | 16.6 | 16.6 | 16.3 | 16.3 | 15.3 | 15.0 | 15.6 | 15.6 | 15.6 | 15.3 | 15.0 | 9.9 | 3.0 | --- | --- | --- | --- |
| 466 | 4 | M | 15.0 | 14.1 | 13.9 | 14.0 | 15.0 | 14.2 | 13.9 | 15.0 | 14.5 | 14.0 | 13.8 | 13.2 | 11.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 467 | 4 | M | 15.0 | 14.1 | 13.9 | 14.0 | 15.0 | 14.2 | 13.9 | 15.0 | 14.5 | 14.0 | 13.8 | 13.2 | 11.2 | 7.3 | 8.0 | 13.8 | 9.9 | 13.9 | 15.6 | 14.9 |
| 468 | 4 | M | 15.0 | 14.1 | 13.9 | 14.0 | 15.0 | 14.2 | 13.9 | 15.0 | 14.5 | 14.0 | 13.8 | 13.2 | 11.2 | 7.3 | 8.0 | 13.8 | 9.9 | --- | --- | --- |
| 469 | 4 | M | 16.2 | 16.6 | 15.3 | 16.2 | 15.4 | 16.9 | 16.8 | 19.0 | 19.4 | 19.9 | 18.7 | 19.1 | 19.6 | 19.7 | 12.6 | 9.1 | 24.0 | 17.7 | --- | --- |
| 470 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 471 | 4 | M | 16.2 | 16.6 | 15.3 | 16.2 | 15.4 | 16.9 | 16.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 472 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 473 | 4 | M | 16.5 | 15.5 | 15.6 | 15.1 | 15.1 | 11.4 | 8.2 | 10.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 474 | 4 | M | 16.5 | 15.5 | 15.6 | 15.1 | 15.1 | 11.4 | 8.2 | 10.9 | 14.9 | 15.0 | 16.3 | 16.4 | 15.9 | 16.0 | 16.1 | 16.1 | 16.4 | 16.7 | 15.4 | 14.1 |
| 475 | 4 | M | 16.3 | 16.2 | 15.6 | 15.8 | 16.6 | 15.9 | 14.9 | 16.4 | 15.1 | 15.3 | 15.7 | 15.4 | 15.9 | 15.4 | 15.2 | 17.1 | 15.7 | 15.4 | 15.6 | 15.8 |
| 476 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 477 | 4 | M | 16.3 | 16.2 | 15.6 | 15.8 | 16.6 | 15.9 | 14.9 | 16.4 | 15.1 | 15.3 | 15.7 | 15.4 | 15.9 | 15.4 | 15.2 | 17.1 | 15.7 | 15.4 | 15.6 | 15.8 |
| 478 | 4 | M | 16.3 | 15.9 | 15.1 | 15.2 | 14.7 | 14.6 | 14.9 | 14.2 | 14.3 | 13.9 | 14.0 | 13.8 | 14.2 | 13.6 | 13.6 | 9.2 | 7.5 | 12.1 | 12.4 | 13.4 |
| 479 | 4 | M | 16.3 | 15.9 | 15.1 | 15.2 | 14.7 | 14.6 | 14.9 | 14.2 | 14.3 | 13.9 | 14.0 | 13.8 | 14.2 | 13.6 | 13.6 | 9.2 | 7.5 | --- | --- | --- |
| 480 | 4 | M | 16.3 | 15.9 | 15.1 | 15.2 | 14.7 | 14.6 | 14.9 | 14.2 | 14.3 | 13.9 | 14.0 | 13.8 | 14.2 | 13.6 | 13.6 | 9.2 | 7.5 | 12.1 | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 4 | M | 17.4 | 14.6 | 16.4 | 17.0 | 17.4 | 16.5 | 15.9 | 15.0 | 14.4 | 7.9 | 21.4 | 10.4 | --- | --- | --- | --- | --- | --- | --- | --- |
| 482 | 4 | M | 17.4 | 14.6 | 16.4 | 17.0 | 17.4 | 16.5 | 15.9 | 15.0 | 14.4 | 7.9 | 21.4 | 10.4 | 16.3 | 0.0 | --- | --- | --- | --- | --- | --- |
| 483 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 484 | 4 | M | 16.4 | 16.9 | 16.9 | 16.9 | 16.7 | 15.0 | 16.4 | 16.7 | 16.9 | 17.0 | 17.4 | 16.7 | 17.3 | 16.0 | 16.9 | 16.7 | 16.7 | 16.3 | 17.1 | 16.9 |
| 485 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 486 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 487 | 4 | M | 15.1 | 14.0 | 14.0 | 13.6 | 14.3 | 14.2 | 13.8 | 14.2 | 13.9 | 13.4 | 13.7 | 13.6 | 13.0 | 13.0 | 12.8 | 13.6 | 13.0 | 13.2 | 12.2 | 12.5 |
| 488 | 4 | M | 15.1 | 14.0 | 14.0 | 13.6 | 14.3 | 14.2 | 13.8 | 14.2 | 13.9 | 13.4 | 13.7 | 13.6 | 13.0 | 13.0 | 12.8 | 13.6 | 13.0 | 13.2 | 12.2 | 12.5 |
| 489 | 4 | M | 15.1 | 14.0 | 14.0 | 13.6 | 14.3 | 14.2 | 13.8 | 14.2 | 13.9 | 13.4 | 13.7 | 13.6 | 13.0 | 13.0 | 12.8 | 13.6 | 13.0 | 13.2 | 12.2 | 12.5 |
| 490 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 491 | 4 | M | 16.0 | 15.6 | 15.3 | 15.6 | 15.6 | 15.7 | 15.6 | 16.3 | 14.9 | 16.3 | 17.1 | 14.6 | 18.0 | 16.1 | 16.3 | 14.7 | 6.9 | --- | --- | --- |
| 492 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 493 | 4 | M | 15.0 | 14.3 | 14.3 | 14.1 | 15.4 | 15.0 | 14.4 | 14.4 | 14.8 | 13.9 | 14.3 | 13.2 | 13.2 | 12.0 | 14.8 | 15.9 | 12.4 | 6.8 | 13.6 | 14.1 |
| 494 | 4 | M | 15.0 | 14.3 | 14.3 | 14.1 | 15.4 | 15.0 | 14.4 | 14.4 | 14.8 | 13.9 | 14.3 | 13.2 | 13.2 | 12.0 | 14.8 | 15.9 | 12.4 | 6.8 | 13.6 | 14.1 |
| 495 | 4 | M | 15.0 | 14.3 | 14.3 | 14.1 | 15.4 | 15.0 | 14.4 | 14.4 | 14.8 | 13.9 | 14.3 | 13.2 | 13.2 | 12.0 | 14.8 | --- | --- | --- | --- | --- |
| 496 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 497 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 498 | 4 | M | 17.1 | 16.6 | 16.3 | 16.9 | 17.6 | 17.4 | 16.3 | 16.9 | 16.9 | 17.7 | 17.4 | 16.7 | 16.6 | 16.3 | 20.1 | 17.0 | 15.6 | 14.9 | 16.0 | 15.9 |
| 499 | 4 | M | 16.0 | 15.8 | 15.3 | 15.8 | 15.4 | 15.6 | 14.9 | 15.9 | 15.5 | 15.6 | 16.1 | 15.9 | 15.7 | 16.1 | 15.6 | 16.9 | 16.3 | 15.7 | 16.3 | 12.3 |
| 500 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 501 | 4 | M | 16.0 | 15.8 | 15.3 | 15.8 | 15.4 | 15.6 | 14.9 | 15.9 | 15.5 | 15.6 | 16.1 | 15.9 | 15.7 | 16.1 | 15.6 | 16.9 | 16.3 | 15.7 | 16.3 | 12.3 |
| 502 | 4 | M | 16.4 | 15.1 | 16.3 | 16.0 | 16.1 | 15.8 | 16.1 | 16.6 | 16.5 | 16.1 | 15.9 | 15.4 | 15.3 | 14.2 | 15.2 | 13.6 | 12.8 | 14.9 | 15.0 | 16.9 |
| 503 | 4 | M | 16.4 | 15.1 | 16.3 | 16.0 | 16.1 | 15.8 | 16.1 | 16.6 | 16.5 | 16.1 | 15.9 | 15.4 | 15.3 | 14.2 | 15.2 | 13.6 | 12.8 | --- | --- | --- |
| 504 | 4 | M | 16.4 | 15.1 | 16.3 | 16.0 | 16.1 | 15.8 | 16.1 | 16.6 | 16.5 | 16.1 | 15.9 | 15.4 | 15.3 | 14.2 | 15.2 | 13.6 | 12.8 | 14.9 | 15.0 | 16.9 |
| 505 | 4 | M | 14.9 | 14.1 | 14.8 | 14.6 | 15.2 | 15.0 | 15.0 | 14.5 | 14.5 | 14.7 | 14.1 | 12.5 | 10.2 | 14.9 | 14.5 | 11.5 | 10.2 | --- | --- | --- |
| 506 | 4 | M | 14.9 | 14.1 | 14.8 | 14.6 | 15.2 | 15.0 | 15.0 | 14.5 | 14.5 | 14.7 | 14.1 | 12.5 | 10.2 | --- | --- | --- | --- | --- | --- | --- |
| 507 | 4 | M | 14.9 | 14.1 | 14.8 | 14.6 | 15.2 | 15.0 | 15.0 | 14.5 | 14.5 | 14.7 | 14.1 | 12.5 | 10.2 | 14.9 | 14.5 | 11.5 | 10.2 | 15.3 | 17.3 | 16.0 |
| 508 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 509 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 510 | 4 | M | 16.9 | 15.7 | 16.1 | 15.7 | 16.9 | 16.7 | 16.0 | 15.3 | 15.4 | 15.7 | 17.0 | 16.0 | 15.3 | 11.4 | 16.3 | 16.4 | 15.3 | 16.0 | 16.3 | 15.1 |
| 511 | 4 | M | 17.1 | 16.4 | 15.3 | 14.9 | 15.8 | 14.9 | 14.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 512 | 4 | M | 17.1 | 16.4 | 15.3 | 14.9 | 15.8 | 14.9 | 14.4 | 16.7 | 17.6 | 18.3 | 18.6 | 18.9 | 18.4 | 18.7 | 19.0 | 19.4 | 18.7 | 18.3 | 19.1 | 18.4 |
| 513 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 514 | 4 | M | 17.0 | 16.0 | 16.0 | 16.9 | 17.4 | 17.0 | 16.4 | 16.4 | 17.3 | 16.7 | 17.1 | 16.1 | 16.9 | 15.7 | 16.1 | 16.6 | 13.3 | 11.9 | 10.7 | 11.1 |
| 515 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 516 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 517 | 4 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 518 | 4 | M | 15.5 | 15.5 | 16.9 | 16.3 | 16.3 | 15.5 | 15.6 | 17.6 | 17.4 | 15.6 | 17.4 | 16.2 | 16.8 | 15.1 | 15.9 | 16.1 | 16.9 | 15.4 | 10.8 | 16.4 |
| 519 | 4 | M | 15.5 | 15.5 | 16.9 | 16.3 | 16.3 | 15.5 | 15.6 | 17.6 | 17.4 | 15.6 | 17.4 | 16.2 | 16.8 | 15.1 | 15.9 | 16.1 | 16.9 | 15.4 | 10.8 | 16.4 |
| 520 | 4 | M | 15.2 | 14.1 | 14.2 | 14.3 | 14.5 | 14.2 | 14.2 | 14.7 | 14.7 | 14.0 | 15.3 | 13.7 | 13.3 | 10.0 | 15.4 | 15.8 | 14.9 | 14.4 | 14.7 | 15.8 |

--- = NO AVAILABLE DATA

# Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 4 | M | 15.2 | 14.1 | 14.2 | 14.3 | 14.5 | 14.2 | 14.2 | 14.7 | 14.7 | 14.0 | 15.3 | 13.7 | 13.3 | 10.0 | 15.4 | 15.8 | 14.9 | 14.4 | 14.7 | 15.8 |
| 522 | 4 | M | 15.2 | 14.1 | 14.2 | 14.3 | 14.5 | 14.2 | 14.2 | 14.7 | 14.7 | 14.0 | 15.3 | 13.7 | 13.3 | 10.0 | --- | --- | --- | --- | --- | --- |
| 523 | 4 | M | 15.4 | 15.0 | 15.1 | 14.7 | 15.1 | 13.5 | 14.0 | 14.4 | 15.1 | 15.0 | 15.4 | 15.6 | 14.8 | 13.9 | 14.0 | 13.9 | 14.0 | 12.0 | 10.6 | 12.2 |
| 524 | 4 | M | 15.4 | 15.0 | 15.1 | 14.7 | 15.1 | 13.5 | 14.0 | 14.4 | 15.1 | 15.0 | 15.4 | 15.6 | 14.8 | 13.9 | 14.0 | 13.9 | 14.0 | 12.0 | 10.6 | 12.2 |
| 525 | 4 | M | 15.4 | 15.0 | 15.1 | 14.7 | 15.1 | 13.5 | 14.0 | 14.4 | 15.1 | 15.0 | 15.4 | 15.6 | 14.8 | 13.9 | 14.0 | 13.9 | 14.0 | 12.0 | 10.6 | 12.2 |
| 526 | 4 | F | 10.9 | 9.1 | 11.0 | 11.3 | 11.9 | 10.5 | 11.3 | 11.1 | 10.9 | 11.9 | 12.8 | 11.0 | 9.2 | 8.4 | --- | --- | --- | --- | --- | --- |
| 527 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 528 | 4 | F | 10.9 | 9.1 | 11.0 | 11.3 | 11.9 | 10.5 | 11.3 | 11.1 | 10.9 | 11.9 | 12.8 | 11.0 | 9.2 | 8.4 | 13.7 | 12.6 | 12.6 | 12.4 | 13.1 | 11.8 |
| 529 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 530 | 4 | F | 14.0 | 13.3 | 12.3 | 13.1 | 12.0 | 13.7 | 13.9 | 14.3 | 13.9 | 13.9 | 14.9 | 14.6 | 14.7 | 15.6 | 14.9 | 14.0 | 8.4 | 5.9 | 5.6 | 5.1 |
| 531 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 532 | 4 | F | 11.0 | 10.6 | 11.0 | 10.8 | 12.0 | 11.9 | 11.8 | 11.3 | 11.5 | 11.0 | 11.7 | 12.8 | 12.0 | 12.0 | 10.0 | 11.7 | 11.9 | 10.8 | 10.1 | 10.8 |
| 533 | 4 | F | 11.0 | 10.6 | 11.0 | 10.8 | 12.0 | 11.9 | 11.8 | 11.3 | 11.5 | 11.0 | 11.7 | 12.8 | 12.0 | 12.0 | 10.0 | 11.7 | 11.9 | 10.8 | 10.1 | 10.8 |
| 534 | 4 | F | 11.0 | 10.6 | 11.0 | 10.8 | 12.0 | 11.9 | 11.8 | 11.3 | 11.5 | 11.0 | 11.7 | 12.8 | 12.0 | 12.0 | 10.0 | --- | --- | --- | --- | --- |
| 535 | 4 | F | 12.3 | 11.3 | 11.5 | 12.7 | 12.7 | 12.3 | 12.8 | 12.3 | 12.3 | 13.4 | 13.0 | 13.1 | 12.9 | 12.1 | 12.6 | 12.1 | 12.6 | 12.5 | 12.1 | 12.1 |
| 536 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 537 | 4 | F | 12.3 | 11.3 | 11.5 | 12.7 | 12.7 | 12.3 | 12.8 | 12.3 | 12.3 | 13.4 | 13.0 | 13.1 | 12.9 | 12.1 | 12.6 | 12.1 | 12.6 | 12.5 | 12.1 | 12.1 |
| 538 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 539 | 4 | F | 13.0 | 10.9 | 12.0 | 12.8 | 13.3 | 12.9 | 11.9 | 12.4 | 13.0 | 13.0 | 13.6 | 11.9 | 14.1 | 13.6 | 14.4 | 12.8 | 13.0 | 12.5 | 9.8 | 7.6 |
| 540 | 4 | F | 13.0 | 10.9 | 12.0 | 12.8 | 13.3 | 12.9 | 11.9 | 12.4 | 13.0 | 13.0 | 13.6 | 11.9 | 14.1 | 13.6 | 14.4 | 12.8 | 13.0 | 12.5 | 9.8 | 7.6 |
| 541 | 4 | F | 12.0 | 11.1 | 12.6 | 13.0 | 12.6 | 13.4 | 13.3 | 12.7 | 13.0 | 13.6 | 13.4 | 14.1 | 12.1 | 12.4 | 13.7 | 14.3 | 13.6 | 15.0 | 13.7 | 14.0 |
| 542 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 543 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 544 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 545 | 4 | F | 11.8 | 10.6 | 11.7 | 11.1 | 11.8 | 11.1 | 12.2 | 10.8 | 11.0 | 11.9 | 12.2 | 9.9 | 12.1 | 10.2 | 6.6 | 8.4 | 11.1 | 8.4 | 10.4 | 10.1 |
| 546 | 4 | F | 11.8 | 10.6 | 11.7 | 11.1 | 11.8 | 11.1 | 12.2 | 10.8 | 11.0 | 11.9 | 12.2 | 9.9 | 12.1 | 10.2 | 6.6 | 8.4 | 11.1 | 8.4 | 10.4 | 10.1 |
| 547 | 4 | F | 11.5 | 10.9 | 11.7 | 11.9 | 12.1 | 12.1 | 11.4 | 11.9 | 12.4 | 12.9 | 12.2 | 12.4 | 12.9 | 12.3 | 12.4 | 11.9 | 12.2 | 12.2 | 9.3 | 8.6 |
| 548 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 549 | 4 | F | 11.5 | 10.9 | 11.7 | 11.9 | 12.1 | 12.1 | 11.4 | 11.9 | 12.4 | 12.9 | 12.2 | 12.4 | 12.9 | 12.3 | 12.4 | 11.9 | 12.2 | 12.2 | 9.3 | 8.6 |
| 550 | 4 | F | 12.4 | 12.3 | 11.8 | 12.8 | 12.1 | 11.6 | 12.1 | 11.1 | 14.2 | 10.4 | 10.1 | 10.4 | 9.0 | 13.9 | 14.0 | 14.6 | 14.9 | 14.6 | 13.1 | 13.2 |
| 551 | 4 | F | 12.4 | 12.3 | 11.8 | 12.8 | 12.1 | 11.6 | 12.1 | 11.1 | 11.2 | 10.4 | 10.1 | 10.4 | 9.0 | --- | --- | --- | --- | --- | --- | --- |
| 552 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 553 | 4 | F | 11.8 | 11.7 | 11.6 | 11.8 | 12.6 | 11.8 | 12.6 | 11.7 | 12.3 | 12.8 | 13.0 | 12.4 | 12.6 | 12.7 | 12.6 | 12.2 | 12.6 | 10.9 | 11.6 | 10.2 |
| 554 | 4 | F | 11.8 | 11.7 | 11.6 | 11.8 | 12.6 | 11.8 | 12.6 | 11.7 | 12.3 | 12.8 | 13.0 | 12.4 | 12.6 | 12.7 | 12.6 | 12.2 | 12.6 | 10.9 | 11.6 | 10.2 |
| 555 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 556 | 4 | F | 10.5 | 11.6 | 12.2 | 11.6 | 11.9 | 11.6 | 12.3 | 11.5 | 11.5 | 12.9 | 12.9 | 12.6 | 12.1 | 12.6 | 12.5 | 12.1 | 12.1 | 12.9 | 13.1 | 11.9 |
| 557 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 558 | 4 | F | 10.5 | 11.6 | 12.2 | 11.6 | 11.9 | 11.6 | 12.3 | 11.5 | 11.5 | 12.9 | 12.9 | 12.6 | 12.1 | 12.6 | 12.5 | 12.1 | 12.1 | 12.9 | 13.1 | 11.9 |
| 559 | 4 | F | 12.6 | 11.3 | 11.1 | 11.3 | 11.7 | 12.4 | 12.1 | 11.7 | 12.4 | 12.4 | 13.1 | 12.9 | 12.4 | 13.9 | 13.7 | 13.3 | 13.6 | 13.9 | 13.1 | 12.6 |
| 560 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL NO | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
| 561 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 562 | 4 | F | 10.9 | 10.0 | 10.7 | 11.5 | 12.2 | 11.0 | 11.2 | 11.4 | 11.5 | 11.2 | 12.0 | 12.0 | 12.0 | 13.1 | 12.9 | 12.0 | 11.6 | 11.9 | 11.9 | 11.1 |
| 563 | 4 | F | 10.9 | 10.0 | 10.7 | 11.5 | 12.2 | 11.0 | 11.2 | 11.4 | 11.5 | 11.2 | 12.0 | 12.0 | 12.0 | 13.1 | 12.9 | 12.0 | 11.6 | 11.9 | 11.9 | 11.1 |
| 564 | 4 | F | 10.9 | 10.0 | 10.7 | 11.5 | 12.2 | 11.0 | 11.2 | 11.4 | 11.5 | 11.2 | 12.0 | 12.0 | 12.0 | 13.1 | 12.9 | 12.0 | 11.6 | 11.9 | 11.9 | 11.1 |
| 565 | 4 | F | 12.6 | 8.7 | 12.0 | 11.1 | 11.9 | 9.7 | 13.4 | 12.0 | 12.0 | 12.4 | 12.9 | 12.6 | 12.9 | 14.3 | 15.1 | 15.3 | 13.0 | 13.7 | 14.6 | 13.3 |
| 566 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 567 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 568 | 4 | F | 10.6 | 10.4 | 10.5 | 10.1 | 11.1 | 11.1 | 11.3 | 11.4 | 11.9 | 12.0 | 12.6 | 13.4 | 13.8 | 13.9 | 14.1 | 12.6 | 14.2 | 13.9 | 11.3 | 11.0 |
| 569 | 4 | F | 10.6 | 10.4 | 10.5 | 10.1 | 11.1 | 11.1 | 11.3 | 11.4 | 11.9 | 12.0 | 12.6 | 13.4 | 13.8 | 13.9 | 14.1 | 12.6 | 14.2 | 13.9 | 11.3 | 11.0 |
| 570 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 571 | 4 | F | 11.5 | 10.5 | 11.2 | 10.7 | 11.9 | 11.6 | 11.7 | 11.7 | 12.4 | 12.5 | 13.0 | 13.3 | 12.9 | 12.3 | 13.0 | 12.6 | 13.1 | 11.9 | 12.6 | 12.0 |
| 572 | 4 | F | 11.5 | 10.5 | 11.2 | 10.7 | 11.9 | 11.6 | 11.7 | 11.7 | 12.4 | 12.5 | 13.0 | 13.3 | 12.9 | 12.3 | 13.0 | 12.6 | 13.1 | 11.9 | 12.6 | 12.0 |
| 573 | 4 | F | 11.5 | 10.5 | 11.2 | 10.7 | 11.9 | 11.6 | 11.7 | 11.7 | 12.4 | 12.5 | 13.0 | 13.3 | 12.9 | 12.3 | 13.0 | 12.6 | 13.1 | 11.9 | 12.6 | 12.0 |
| 574 | 4 | F | 10.7 | 9.7 | 9.8 | 9.8 | 11.1 | 11.4 | 10.9 | 11.1 | 11.5 | 12.1 | 12.6 | 12.0 | 12.2 | 11.6 | 12.1 | 9.8 | 10.0 | 10.5 | 11.6 | 13.0 |
| 575 | 4 | F | 10.7 | 9.7 | 9.8 | 9.8 | 11.1 | 11.4 | 10.9 | 11.1 | 11.5 | 12.1 | 12.6 | 12.0 | 12.2 | 11.6 | 12.1 | 9.8 | 10.0 | 10.5 | 11.6 | 13.0 |
| 576 | 4 | F | 10.7 | 9.7 | 9.8 | 9.8 | 11.1 | 11.4 | 10.9 | 11.1 | 11.5 | 12.1 | 12.6 | 12.0 | 12.2 | 11.6 | 12.1 | 9.8 | 10.0 | 10.5 | 11.6 | 13.0 |
| 577 | 4 | F | 11.8 | 11.0 | 11.0 | 11.2 | 12.2 | 12.5 | 11.0 | 12.0 | 11.4 | 10.7 | 11.9 | 12.1 | 11.8 | 10.4 | 11.9 | 12.9 | 12.0 | 10.4 | 9.0 | 9.8 |
| 578 | 4 | F | 11.8 | 11.0 | 11.0 | 11.2 | 12.2 | 12.5 | 11.0 | 12.0 | 11.4 | 10.7 | 11.9 | 12.1 | 11.8 | 10.4 | 11.9 | 12.9 | 12.0 | 10.4 | 9.0 | 9.8 |
| 579 | 4 | F | 11.8 | 11.0 | 11.0 | 11.2 | 12.2 | 12.5 | 11.0 | 12.0 | 11.4 | 10.7 | 11.9 | 12.1 | 11.8 | 10.4 | 11.9 | 12.9 | 12.0 | 10.4 | 9.0 | 9.8 |
| 580 | 4 | F | 10.5 | 11.0 | 11.0 | 10.3 | 11.3 | 11.0 | 10.9 | 10.2 | 11.6 | 11.3 | 12.2 | 11.5 | 12.1 | 11.9 | 12.0 | 9.7 | 7.7 | --- | --- | --- |
| 581 | | F | 10.5 | 11.0 | 11.0 | 10.3 | 11.3 | 11.0 | 10.9 | 10.2 | 11.6 | 11.3 | 12.2 | 11.5 | 12.1 | 11.9 | 12.0 | 9.7 | 7.7 | 11.3 | 10.9 | 9.7 |
| 582 | 4 | F | 10.5 | 11.0 | 11.0 | 10.3 | 11.3 | 11.0 | 10.9 | 10.2 | 11.6 | 11.3 | 12.2 | 11.5 | 12.1 | 11.9 | 12.0 | 9.7 | 7.7 | 11.3 | --- | --- |
| 583 | 4 | F | 11.5 | 9.4 | 11.9 | 10.6 | 12.1 | 10.9 | 9.6 | 8.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 584 | 4 | F | 11.5 | 9.4 | 11.9 | 10.6 | 12.1 | 10.9 | 9.6 | 8.7 | 11.3 | 12.7 | 13.0 | 12.4 | 11.9 | 12.1 | 12.3 | 12.3 | 12.3 | 12.1 | 12.7 | 11.7 |
| 585 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 586 | 4 | F | 11.6 | 10.4 | 11.0 | 11.4 | 12.1 | 12.8 | 11.2 | 11.4 | 12.3 | 11.6 | 13.4 | 12.2 | 12.4 | 13.3 | 12.7 | 12.6 | 12.2 | 13.5 | 13.4 | 12.5 |
| 587 | 4 | F | 11.6 | 10.4 | 11.0 | 11.4 | 12.1 | 12.8 | 11.2 | 11.4 | 12.3 | 11.6 | 13.4 | 12.2 | 12.4 | 13.3 | 12.7 | 12.6 | 12.2 | 13.5 | 13.4 | 12.5 |
| 588 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 589 | 4 | F | 11.2 | 10.1 | 10.5 | 10.6 | 11.3 | 10.6 | 11.1 | 12.0 | 11.2 | 11.4 | 13.0 | 12.1 | 11.5 | 11.8 | 12.1 | 12.1 | 11.6 | 11.4 | 11.9 | 11.3 |
| 590 | 4 | F | 11.2 | 10.1 | 10.5 | 10.6 | 11.3 | 10.6 | 11.1 | 12.0 | 11.2 | 11.4 | 13.0 | 12.1 | 11.5 | 11.8 | 12.1 | 12.1 | 11.6 | 11.4 | 11.9 | 11.3 |
| 591 | 4 | F | 11.2 | 10.1 | 10.5 | 10.6 | 11.3 | 10.6 | 11.1 | 12.0 | 11.2 | 11.4 | 13.0 | 12.1 | 11.5 | 11.8 | 12.1 | 12.1 | 11.6 | 11.4 | 11.9 | 11.3 |
| 592 | 4 | F | 10.9 | 11.5 | 10.3 | 10.8 | 11.3 | 10.8 | 11.8 | 11.3 | 10.5 | 11.2 | 12.4 | 12.4 | 12.5 | 12.3 | 12.6 | 12.4 | 11.8 | 11.4 | 12.5 | 11.7 |
| 593 | 4 | F | 10.9 | 11.5 | 10.3 | 10.8 | 11.3 | 10.8 | 11.8 | 11.3 | 10.5 | 11.2 | 12.4 | 12.4 | 12.5 | 12.3 | 12.6 | 12.4 | 11.8 | 11.4 | 12.5 | 11.7 |
| 594 | 4 | F | 10.9 | 11.5 | 10.3 | 10.8 | 11.3 | 10.8 | 11.8 | 11.3 | 10.5 | 11.2 | 12.4 | 12.4 | 12.5 | 12.3 | 12.6 | 12.4 | 11.8 | 11.4 | 12.5 | 11.7 |
| 595 | 4 | F | 11.0 | 10.4 | 10.8 | 10.8 | 11.5 | 11.5 | 11.5 | 12.2 | 11.0 | 10.7 | 12.6 | 11.5 | 11.3 | 11.6 | 12.3 | 12.9 | 12.9 | 11.1 | --- | --- |
| 596 | 4 | F | 11.0 | 10.4 | 10.8 | 10.8 | 11.5 | 11.5 | 11.5 | 12.2 | 11.0 | 10.7 | 12.6 | 11.5 | 11.3 | 11.6 | 12.3 | 12.9 | 12.9 | 11.1 | 11.3 | 11.5 |
| 597 | 4 | F | 11.0 | 10.4 | 10.8 | 10.8 | 11.5 | 11.5 | 11.5 | 12.2 | 11.0 | 10.7 | 12.6 | 11.5 | 11.3 | 11.6 | 12.3 | 12.9 | 12.9 | 11.1 | 11.3 | 11.5 |
| 598 | 4 | F | 12.6 | 11.2 | 11.7 | 11.7 | 12.0 | 11.9 | 11.6 | 11.4 | 11.9 | 13.3 | 13.5 | 13.4 | 13.4 | 13.0 | 12.9 | 12.9 | 11.8 | 12.9 | 12.3 | 12.4 |
| 599 | 4 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 600 | 4 | F | 12.6 | 11.2 | 11.7 | 11.7 | 12.0 | 11.9 | 11.6 | 11.4 | 11.9 | 13.3 | 13.5 | 13.4 | 13.4 | 13.0 | 12.9 | 12.9 | 11.8 | 12.9 | 12.3 | 12.4 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 15.9 | 14.3 | 12.9 | 14.4 | 13.1 | 14.5 | 13.6 | 14.1 | 14.9 | 14.5 | 14.1 | 14.6 | 14.9 | 14.1 | 14.8 | 15.7 | 15.1 | 13.8 | 14.3 | 14.0 |
| 602 | 5 | M | 15.9 | 14.3 | 12.9 | 14.4 | 13.1 | 14.5 | 13.6 | 14.1 | 14.9 | 14.5 | 14.1 | 14.6 | 14.9 | 14.1 | 14.8 | 15.7 | 15.1 | 13.8 | 14.3 | 14.0 |
| 603 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 604 | 5 | M | 14.9 | 14.9 | 14.4 | 14.4 | 13.7 | 14.7 | 15.0 | 16.0 | 14.0 | 15.4 | 16.6 | 16.0 | 15.7 | 14.7 | 15.7 | 14.9 | 16.0 | 14.9 | 13.3 | 15.6 |
| 605 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 606 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 607 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 608 | 5 | M | 15.1 | 14.6 | 13.6 | 13.8 | 14.4 | 13.3 | 13.6 | 14.6 | 13.6 | 13.5 | 14.4 | 14.3 | 14.3 | 13.4 | 13.5 | 13.4 | 13.5 | 13.0 | 13.1 | 12.2 |
| 609 | 5 | M | 15.1 | 14.6 | 13.6 | 13.8 | 14.4 | 13.3 | 13.6 | 14.6 | 13.6 | 13.5 | 14.4 | 14.3 | 14.3 | 13.4 | 13.5 | 13.4 | 13.5 | 13.0 | 13.1 | 12.2 |
| 610 | 5 | M | 14.7 | 13.7 | 13.4 | 13.4 | 13.5 | 13.7 | 14.1 | 14.6 | 13.4 | 13.5 | 13.8 | 13.5 | 13.1 | 13.0 | 13.1 | 13.5 | 13.8 | 12.5 | 13.6 | 13.6 |
| 611 | 5 | M | 14.7 | 13.7 | 13.4 | 13.4 | 13.5 | 13.7 | 14.1 | 14.6 | 13.4 | 13.5 | 13.8 | 13.5 | 13.1 | 13.0 | 13.1 | 13.5 | 13.8 | 12.5 | 13.6 | 13.6 |
| 612 | 5 | M | 14.7 | 13.7 | 13.4 | 13.4 | 13.5 | 13.7 | 14.1 | 14.6 | 13.4 | 13.5 | 13.8 | 13.5 | 13.1 | 13.0 | 13.1 | 13.5 | 13.8 | 12.5 | 13.6 | 13.6 |
| 613 | 5 | M | 15.1 | 14.7 | 14.7 | 14.5 | 15.4 | 14.6 | 13.7 | 14.5 | 14.1 | 14.1 | 12.1 | 11.2 | 14.5 | 14.0 | 14.1 | 12.8 | 10.6 | 10.4 | 10.8 | 9.3 |
| 614 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 615 | 5 | M | 15.1 | 14.7 | 14.7 | 14.5 | 15.4 | 14.6 | 13.7 | 14.5 | 14.1 | 14.1 | 12.1 | 11.2 | 14.5 | 14.0 | 14.1 | 12.8 | 10.6 | 10.4 | 10.8 | 9.3 |
| 616 | 5 | M | 14.7 | 14.8 | 13.0 | 13.9 | 13.3 | 14.1 | 13.9 | 13.9 | 13.9 | 13.0 | 13.0 | 13.4 | 12.6 | 13.1 | 13.0 | 13.3 | 12.6 | 13.3 | 7.7 | 7.7 |
| 617 | 5 | M | 14.7 | 14.8 | 13.0 | 13.9 | 13.3 | 14.1 | 13.9 | 13.9 | 13.9 | 13.0 | 13.0 | 13.4 | 12.6 | 13.1 | 13.0 | 13.3 | 12.6 | 13.3 | 7.7 | 7.7 |
| 618 | 5 | M | 14.7 | 14.8 | 13.0 | 13.9 | 13.3 | 14.1 | 13.9 | 13.9 | 13.9 | 13.0 | 13.0 | 13.4 | 12.6 | 13.1 | 13.0 | 13.3 | 12.6 | 13.3 | 7.7 | 7.7 |
| 619 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 620 | 5 | M | 14.6 | 14.3 | 14.4 | 14.2 | 15.1 | 14.4 | 14.1 | 14.5 | 13.4 | 12.4 | 13.5 | 13.6 | 13.6 | 12.6 | 12.4 | 12.9 | 13.7 | 13.1 | 13.1 | 10.9 |
| 621 | 5 | M | 14.6 | 14.3 | 14.4 | 14.2 | 15.1 | 14.4 | 14.1 | 14.5 | 13.4 | 12.4 | 13.5 | 13.6 | 13.6 | 12.6 | 12.4 | 12.9 | 13.7 | 13.1 | 13.1 | 10.9 |
| 622 | 5 | M | 15.3 | 15.0 | 13.3 | 14.1 | 13.8 | 14.4 | 13.5 | 13.5 | 13.2 | 13.5 | 13.5 | 13.8 | 13.3 | 12.8 | 13.1 | 13.0 | 14.5 | 12.4 | 9.0 | 9.2 |
| 623 | 5 | M | 15.3 | 15.0 | 13.3 | 14.1 | 13.8 | 14.4 | 13.5 | 13.5 | 13.2 | 13.5 | 13.5 | 13.8 | 13.3 | 12.8 | 13.1 | 13.0 | 14.5 | 12.4 | 9.0 | 9.2 |
| 624 | 5 | M | 15.3 | 15.0 | 13.3 | 14.1 | 13.8 | 14.4 | 13.5 | 13.5 | 13.2 | 13.5 | 13.5 | 13.8 | 13.3 | 12.8 | 13.1 | 13.0 | 14.5 | 12.4 | 9.0 | 9.2 |
| 625 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 626 | 5 | M | 14.6 | 14.4 | 13.6 | 14.0 | 15.2 | 14.9 | 14.5 | 15.0 | 14.7 | 14.6 | 14.7 | 15.2 | 15.4 | 14.6 | 11.1 | 12.9 | 15.0 | 8.3 | 13.4 | 12.8 |
| 627 | 5 | M | 14.6 | 14.4 | 13.6 | 14.0 | 15.2 | 14.9 | 14.5 | 15.0 | 14.7 | 14.6 | 14.7 | 15.2 | 15.4 | 14.6 | 11.1 | 12.9 | --- | --- | --- | --- |
| 628 | 5 | M | 12.0 | 9.1 | 9.0 | 10.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 629 | 5 | M | 12.0 | 9.1 | 9.0 | 10.3 | 13.3 | 13.9 | 14.7 | 16.6 | 15.0 | 15.3 | 15.7 | 16.7 | 16.1 | 15.7 | 15.6 | 14.7 | 14.9 | 13.0 | 14.1 | 15.3 |
| 630 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 631 | 5 | M | 14.3 | 13.6 | 13.4 | 13.9 | 14.2 | 13.7 | 13.7 | 14.9 | 13.8 | 13.6 | 13.9 | 14.1 | 13.1 | 12.7 | 11.6 | 13.7 | 12.0 | --- | --- | --- |
| 632 | 5 | M | 14.3 | 13.6 | 13.4 | 13.9 | 14.2 | 13.7 | 13.7 | 14.9 | 13.8 | 13.6 | 13.9 | 14.1 | 13.1 | 12.7 | 11.6 | 13.7 | 12.0 | 12.0 | 15.3 | 17.7 |
| 633 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 634 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 635 | 5 | M | 13.0 | 12.9 | 12.1 | 12.3 | 12.1 | 12.9 | 11.2 | 12.4 | 11.7 | 11.7 | 13.2 | 11.6 | 10.8 | 13.1 | 13.4 | 12.7 | 12.9 | 12.9 | 12.3 | 12.1 |
| 636 | 5 | M | 13.0 | 12.9 | 12.1 | 12.3 | 12.1 | 12.9 | 11.2 | 12.4 | 11.7 | 11.7 | 13.2 | 11.6 | 10.8 | --- | --- | --- | --- | --- | --- | --- |
| 637 | 5 | M | 13.7 | 14.9 | 13.9 | 14.0 | 15.0 | 13.6 | 13.9 | 14.0 | 13.5 | 13.9 | 14.1 | 13.6 | 13.0 | 12.6 | 12.2 | 14.0 | 12.4 | 12.8 | 12.5 | 13.2 |
| 638 | 5 | M | 13.7 | 14.9 | 13.9 | 14.0 | 15.0 | 13.6 | 13.9 | 14.0 | 13.5 | 13.9 | 14.1 | 13.6 | 13.0 | 12.6 | 12.2 | 14.0 | 12.4 | 12.8 | 12.5 | 13.2 |
| 639 | 5 | M | 13.7 | 14.9 | 13.9 | 14.0 | 15.0 | 13.6 | 13.9 | 14.0 | 13.5 | 13.9 | 14.1 | 13.6 | 13.0 | 12.6 | 12.2 | 14.0 | 12.4 | 12.8 | 12.5 | 13.2 |
| 640 | 5 | M | 14.6 | 13.9 | 13.8 | 14.1 | 14.9 | 14.9 | 14.2 | 14.9 | 15.2 | 13.7 | 14.9 | 15.6 | 15.1 | 13.8 | 14.9 | 16.1 | 16.0 | 9 5 | 13.1 | 15.2 |

--- = NO AVAILABLE DATA

## Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO | TR GROUP | SEX | TEST WEEK 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 642 | 5 | M | 14.6 | 13.9 | 13.8 | 14.1 | 14.9 | 14.9 | 14.2 | 14.9 | 15.2 | 13.7 | 14.9 | 15.6 | 15.1 | 13.8 | 14.9 | 16.1 | 16.0 | 9.5 | 13.1 | 15.2 |
| 643 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 644 | 5 | M | 14.5 | 14.3 | 14.1 | 13.6 | 14.1 | 13.9 | 13.7 | 14.1 | 13.2 | 13.3 | 14.1 | 13.7 | 13.7 | 12.9 | 12.9 | 13.5 | 13.2 | 10.9 | 11.9 | 11.1 |
| 645 | 5 | M | 14.5 | 14.3 | 14.1 | 13.6 | 14.1 | 13.9 | 13.7 | 14.1 | 13.2 | 13.3 | 14.1 | 13.7 | 13.7 | 12.9 | 12.9 | 13.5 | 13.2 | 10.9 | 11.9 | 11.1 |
| 646 | 5 | M | 14.5 | 13.4 | 13.4 | 13.2 | 14.0 | 13.8 | 13.2 | 13.7 | 13.6 | 12.8 | 13.7 | 13.3 | 13.4 | 12.7 | 13.4 | 13.7 | 13.5 | 13.3 | 12.3 | 13.0 |
| 647 | 5 | M | 14.5 | 13.4 | 13.4 | 13.2 | 14.0 | 13.8 | 13.2 | 13.7 | 13.6 | 12.8 | 13.7 | 13.3 | 13.4 | 12.7 | 13.4 | 13.7 | 13.5 | 13.3 | 12.3 | 13.0 |
| 648 | 5 | M | 14.5 | 13.4 | 13.4 | 13.2 | 14.0 | 13.8 | 13.2 | 13.7 | 13.6 | 12.8 | 13.7 | 13.3 | 13.4 | 12.7 | 13.4 | 13.7 | 13.5 | 13.3 | 12.3 | 13.0 |
| 649 | 5 | M | 14.6 | 13.6 | 13.4 | 13.8 | 14.4 | 14.8 | 13.8 | 13.9 | 13.6 | 12.3 | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 650 | 5 | M | 14.6 | 13.6 | 13.4 | 13.8 | 14.4 | 14.8 | 13.8 | 13.9 | 13.6 | 12.3 | 9.6 | 13.4 | 14.9 | 8.3 | 7.4 | --- | --- | --- | --- | --- |
| 651 | 5 | M | 14.6 | 13.6 | 13.4 | 13.8 | 14.4 | 14.8 | 13.8 | 13.9 | 13.6 | 12.3 | 9.6 | 13.4 | 14.9 | 8.3 | 7.4 | 13.1 | 12.9 | 13.0 | 14.9 | 14.7 |
| 652 | 5 | M | 13.4 | 13.1 | 13.1 | 13.4 | 13.7 | 12.9 | 13.2 | 14.4 | 13.8 | 13.8 | 14.2 | 14.1 | 13.7 | 13.0 | 12.6 | 13.8 | 11.5 | 13.0 | 9.1 | 10.4 |
| 653 | 5 | M | 13.4 | 13.1 | 13.1 | 13.4 | 13.7 | 12.9 | 13.2 | 14.4 | 13.8 | 13.8 | 14.2 | 14.1 | 13.7 | 13.0 | 12.6 | 13.8 | 11.5 | 13.0 | 9.1 | 10.4 |
| 654 | 5 | M | 13.4 | 13.1 | 13.1 | 13.4 | 13.7 | 12.9 | 13.2 | 14.4 | 13.8 | 13.8 | 14.2 | 14.1 | 13.7 | 13.0 | 12.6 | 13.8 | 11.5 | --- | --- | --- |
| 655 | 5 | M | 14.1 | 13.4 | 13.1 | 13.1 | 20.6 | 13.7 | 12.7 | 13.4 | 12.8 | 13.6 | 14.0 | 14.3 | 13.6 | 12.3 | 12.8 | 13.3 | 13.3 | 6.7 | --- | --- |
| 656 | 5 | M | 14.1 | 13.4 | 13.1 | 13.1 | 20.6 | 13.7 | 12.7 | 13.4 | 12.8 | 13.6 | 14.0 | 14.3 | 13.6 | 12.3 | 12.8 | 13.3 | 13.3 | 6.7 | 7.0 | 11.7 |
| 657 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 658 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 659 | 5 | M | 16.1 | 14.1 | 14.4 | 14.9 | 15.3 | 15.6 | 14.6 | 15.4 | 14.7 | 15.1 | 16.0 | 15.9 | 15.6 | 15.0 | 15.4 | 15.6 | 14.9 | 14.4 | 15.9 | 15.1 |
| 660 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 661 | 5 | M | 15.2 | 15.1 | 14.4 | 14.8 | 15.4 | 14.1 | 14.4 | 15.4 | 14.1 | 14.9 | 14.1 | 14.8 | 14.1 | 13.1 | 13.5 | 13.3 | 14.5 | 13.8 | 13.4 | 12.8 |
| 662 | 5 | M | 15.2 | 15.1 | 14.4 | 14.8 | 15.4 | 14.1 | 14.4 | 15.4 | 14.1 | 14.9 | 14.1 | 14.8 | 14.1 | 13.1 | 13.5 | 13.3 | 14.5 | 13.8 | 13.4 | 12.8 |
| 663 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 664 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 665 | 5 | M | 15.6 | 14.9 | 13.4 | 14.4 | 14.7 | 15.7 | 15.0 | 16.0 | 15.4 | 16.3 | 16.3 | 16.9 | 15.1 | 15.0 | 15.3 | 15.6 | 13.1 | 13.7 | 14.5 | 13.8 |
| 666 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 667 | 5 | M | 15.2 | 18.2 | 14.3 | 14.9 | 14.5 | 15.2 | 14.1 | 14.4 | 13.5 | 14.7 | 14.8 | 15.1 | 14.7 | 14.3 | 14.5 | 15.4 | 14.3 | 13.6 | 13.8 | 13.6 |
| 668 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 669 | 5 | M | 15.2 | 18.2 | 14.3 | 14.9 | 14.5 | 15.2 | 14.1 | 14.4 | 13.5 | 14.7 | 14.8 | 15.1 | 14.7 | 14.3 | 14.5 | 15.4 | 14.3 | 13.6 | 13.8 | 13.6 |
| 670 | 5 | M | 14.1 | 14.1 | 13.5 | 13.1 | 12.9 | 13.2 | 13.6 | 12.6 | 14.1 | 13.8 | 14.3 | 12.5 | 13.4 | 11.9 | 12.4 | 12.5 | --- | --- | --- | --- |
| 671 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 672 | 5 | M | 14.1 | 14.1 | 13.5 | 13.1 | 12.9 | 13.2 | 13.6 | 12.6 | 14.1 | 13.8 | 14.3 | 12.5 | 13.4 | 11.9 | 12.4 | --- | --- | --- | --- | --- |
| 673 | 5 | M | 15.4 | 14.2 | 12.8 | 14.0 | 14.6 | 14.4 | 14.3 | 14.4 | 14.2 | 14.1 | 15.0 | 15.5 | 13.4 | 14.6 | 15.6 | 14.4 | 11.9 | 8.3 | 16.1 | 16.4 |
| 674 | 5 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 675 | 5 | M | 15.4 | 14.2 | 12.8 | 14.0 | 14.6 | 14.4 | 14.3 | 14.4 | 14.2 | 14.1 | 15.0 | 15.5 | 13.4 | 14.6 | 15.6 | 14.4 | 11.9 | 8.3 | --- | --- |
| 676 | 5 | F | 10.3 | 10.2 | 9.7 | 9.6 | 10.0 | 10.2 | 9.4 | 10.1 | 10.0 | 9.5 | 11.2 | 10.7 | 9.3 | 8.8 | 10.9 | 11.6 | 10.8 | 10.8 | 11.6 | 10.9 |
| 677 | 5 | F | 10.3 | 10.2 | 9.7 | 9.6 | 10.0 | 10.2 | 9.4 | 10.1 | 10.0 | 9.5 | 11.2 | 10.7 | 9.3 | 8.8 | 10.9 | 11.6 | 10.8 | 10.8 | 11.6 | 10.9 |
| 678 | 5 | F | 10.3 | 10.2 | 9.7 | 9.6 | 10.0 | 10.2 | 9.4 | 10.1 | 10.0 | 9.5 | 11.2 | 10.7 | 9.3 | 8.8 | 10.9 | --- | --- | --- | --- | --- |
| 679 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 680 | 5 | F | 11.3 | 9.7 | 9.9 | 10.0 | 9.6 | 10.6 | 10.6 | 11.1 | 10.9 | 11.6 | 12.1 | 12.1 | 11.1 | 11.4 | 11.1 | 11.4 | 11.1 | 11.0 | 11.9 | 10.9 |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 681 | 5 | F | 11.3 | 9.7 | 9.9 | 10.0 | 9.6 | 10.6 | 10.6 | 11.1 | 10.9 | 11.6 | 12.1 | 12.1 | 11.1 | 11.4 | 11.1 | 11.4 | 11.1 | 11.0 | 11.9 | 10.9 |
| 682 | 5 | F | 9.6 | 8.9 | 8.5 | 8.6 | 9.6 | 9.5 | 9.7 | 10.0 | 10.2 | 10.4 | 10.6 | 10.3 | 10.1 | 10.2 | 10.0 | 10.0 | 10.0 | 9.5 | 9.7 | 9.6 |
| 683 | 5 | F | 9.6 | 8.9 | 8.5 | 8.6 | 9.6 | 9.5 | 9.7 | 10.0 | 10.2 | 10.4 | 10.6 | 10.3 | 10.1 | 10.2 | 10.0 | 10.0 | 10.0 | 9.5 | 9.7 | 9.6 |
| 684 | 5 | F | 9.6 | 8.9 | 8.5 | 8.6 | 9.6 | 9.5 | 9.7 | 10.0 | 10.2 | 10.4 | 10.6 | 10.3 | 10.1 | 10.2 | 10.0 | 10.0 | 10.0 | 9.5 | 9.7 | 9.6 |
| 685 | 5 | F | 10.6 | 10.6 | 9.6 | 9.9 | 10.6 | 10.8 | 11.0 | 11.2 | 10.8 | 11.3 | 9.0 | 10.8 | 11.7 | 10.9 | 11.0 | 12.1 | 8.6 | --- | --- | --- |
| 686 | 5 | F | 10.6 | 10.6 | 9.6 | 9.9 | 10.6 | 10.8 | 11.0 | 11.2 | 10.8 | 11.3 | 9.0 | 10.8 | 11.7 | 10.9 | 11.0 | 12.1 | 8.6 | 11.3 | 12.0 | 10.4 |
| 687 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 688 | 5 | F | 11.6 | 10.4 | 11.0 | 10.7 | 11.3 | 11.1 | 12.4 | 12.1 | 12.4 | 12.3 | 12.6 | 12.1 | 12.6 | 12.6 | 12.3 | 12.4 | 13.3 | 12.7 | 11.7 | 12.0 |
| 689 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 690 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 691 | 5 | F | 10.6 | 10.2 | 10.1 | 10.2 | 10.8 | 10.8 | 10.1 | 8.1 | 11.6 | 11.8 | 11.9 | 10.4 | 11.9 | 11.5 | 11.9 | 12.4 | 11.1 | 11.9 | 11.1 | 11.5 |
| 692 | 5 | F | 10.6 | 10.2 | 10.1 | 10.2 | 10.8 | 10.8 | 10.1 | 8.1 | 11.6 | 11.8 | 11.9 | 10.4 | 11.9 | 11.5 | 11.9 | 12.4 | 11.1 | 11.9 | 11.1 | 11.5 |
| 693 | 5 | F | 10.6 | 10.2 | 10.1 | 10.2 | 10.8 | 10.8 | 10.1 | 8.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 694 | 5 | F | 10.0 | 10.0 | 9.7 | 9.4 | 9.9 | 10.9 | 10.8 | 11.9 | 9.2 | 9.6 | 10.9 | 10.6 | 11.5 | 11.0 | 11.6 | 11.1 | 9.5 | 9.6 | 11.3 | 10.3 |
| 695 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 696 | 5 | F | 10.0 | 10.0 | 9.7 | 9.4 | 9.9 | 10.9 | 10.8 | 11.9 | 9.2 | 9.6 | 10.9 | 10.6 | 11.5 | 11.0 | 11.6 | 11.1 | 9.5 | 9.6 | 11.3 | 10.3 |
| 697 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 698 | 5 | F | 11.2 | 10.9 | 10.4 | 10.4 | 17.6 | 11.5 | 11.3 | 11.2 | 11.6 | 12.6 | 12.7 | 13.6 | 14.3 | 13.2 | 13.1 | 14.2 | 12.5 | 12.6 | 13.2 | 12.3 |
| 699 | 5 | F | 11.2 | 10.9 | 10.4 | 10.4 | 17.6 | 11.5 | 11.3 | 11.2 | 11.6 | 12.6 | 12.7 | 13.6 | 14.3 | 13.2 | 13.1 | 14.2 | 12.5 | 12.6 | 13.2 | 12.3 |
| 700 | 5 | F | 9.5 | 8.8 | 8.8 | 8.7 | 9.4 | 9.7 | 10.0 | 10.5 | 10.1 | 9.9 | 10.3 | 10.7 | 10.6 | 10.6 | 10.4 | 10.7 | 9.9 | 9.5 | 10.1 | 10.4 |
| 701 | 5 | F | 9.5 | 8.8 | 8.8 | 8.7 | 9.4 | 9.7 | 10.0 | 10.5 | 10.1 | 9.9 | 10.3 | 10.7 | 10.6 | 10.6 | 10.4 | 10.7 | 9.9 | 9.5 | 10.1 | 10.4 |
| 702 | 5 | F | 9.5 | 8.8 | 8.8 | 8.7 | 9.4 | 9.7 | 10.0 | 10.5 | 10.1 | 9.9 | 10.3 | 10.7 | 10.6 | 10.6 | 10.4 | 10.7 | 9.9 | 9.5 | 10.1 | 10.4 |
| 703 | 5 | F | 9.8 | 9.0 | 8.6 | 9.1 | 8.9 | 9.4 | 10.1 | 9.8 | 10.1 | 10.5 | 10.4 | 10.4 | 10.8 | 10.2 | 10.3 | 10.4 | 10.4 | 10.0 | 9.7 | 9.4 |
| 704 | 5 | F | 9.8 | 9.0 | 8.6 | 9.1 | 8.9 | 9.4 | 10.1 | 9.8 | 10.1 | 10.5 | 10.4 | 10.4 | 10.8 | 10.2 | 10.3 | 10.4 | 10.4 | 10.0 | 9.7 | 9.4 |
| 705 | 5 | F | 9.8 | 9.0 | 8.6 | 9.1 | 8.9 | 9.4 | 10.1 | 9.8 | 10.1 | 10.5 | 10.4 | 10.4 | 10.8 | 10.2 | 10.3 | 10.4 | 10.4 | 10.0 | 9.7 | 9.4 |
| 706 | 5 | F | 9.9 | 8.8 | 8.8 | 9.2 | 9.4 | 9.8 | 10.3 | 9.9 | 9.9 | 10.0 | 9.7 | 9.8 | 8.7 | 8.7 | 7.6 | 9.6 | 8.0 | 6.0 | --- | --- |
| 707 | 5 | F | 9.9 | 8.8 | 8.8 | 9.2 | 9.4 | 9.8 | 10.3 | 9.9 | 9.9 | 10.0 | 9.7 | 9.8 | 8.7 | 8.7 | 7.6 | 9.6 | 8.0 | 6.0 | 6.9 | 9.1 |
| 708 | 5 | F | 9.9 | 8.8 | 8.8 | 9.2 | 9.4 | 9.8 | 10.3 | 9.9 | 9.9 | 10.0 | 9.7 | 9.8 | 8.7 | 8.7 | 7.6 | 9.6 | 8.0 | 6.0 | --- | --- |
| 709 | 5 | F | 9.0 | 9.3 | 8.8 | 8.9 | 9.4 | 9.3 | 10.3 | 10.2 | 10.1 | 10.8 | 10.8 | 11.0 | 10.4 | 10.2 | 10.8 | 10.6 | 10.6 | 9.9 | 10.7 | 9.7 |
| 710 | 5 | F | 9.0 | 9.3 | 8.8 | 8.9 | 9.4 | 9.3 | 10.3 | 10.2 | 10.1 | 10.8 | 10.8 | 11.0 | 10.4 | 10.2 | 10.8 | 10.6 | 10.6 | 9.9 | 10.7 | 9.7 |
| 711 | 5 | F | 9.0 | 9.3 | 8.8 | 8.9 | 9.4 | 9.3 | 10.3 | 10.2 | 10.1 | 10.8 | 10.8 | 11.0 | 10.4 | 10.2 | 10.8 | 10.6 | 10.6 | 9.9 | 10.7 | 9.7 |
| 712 | 5 | F | 8.6 | 8.7 | 9.0 | 8.9 | 9.4 | 9.4 | 10.3 | 10.0 | 10.1 | 10.4 | 10.9 | 10.5 | 11.3 | 9.6 | 8.6 | 10.3 | 8.4 | 8.0 | 12.7 | 12.1 |
| 713 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 714 | 5 | F | 8.6 | 8.7 | 9.0 | 8.9 | 9.4 | 9.4 | 10.3 | 10.0 | 10.1 | 10.4 | 10.9 | 10.5 | 11.3 | 9.6 | 8.6 | 10.3 | 8.4 | 8.0 | 12.7 | 12.1 |
| 715 | 5 | F | 12.1 | 10.9 | 10.1 | 10.7 | 11.0 | 11.4 | 11.1 | 11.4 | 11.9 | 12.3 | 13.1 | 12.4 | 12.6 | 13.1 | 12.6 | 12.0 | 11.1 | 10.1 | 11.9 | 9.9 |
| 716 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 717 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 718 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 719 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 720 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

--- = NO AVAILABLE DATA

Table VI.3 (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL FOOD CONSUMPTION MEASUREMENTS (g/day)

| ANIMAL NO. | TR GROUP | SEX | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 104 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TEST WEEK | | | | | | | | | | | | | | | | | | | |
| 721 | 5 | F | 11.0 | 9.6 | 10.5 | 10.0 | 11.0 | 11.0 | 11.1 | 11.5 | 12.5 | 13.1 | 12.9 | 13.6 | 12.3 | --- | --- | --- | --- | --- | --- | --- |
| 722 | 5 | F | 11.0 | 9.6 | 10.5 | 10.0 | 11.0 | 11.0 | 11.1 | 11.5 | 12.5 | 13.1 | 12.9 | 13.6 | 12.3 | 13.3 | 13.7 | 14.0 | 13.4 | 12.9 | 14.0 | 13.6 |
| 723 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 724 | 5 | F | 10.1 | 9.4 | 9.4 | 8.9 | 9.5 | 10.9 | 11.4 | 11.7 | 11.6 | 11.7 | 12.2 | 12.4 | 12.1 | 14.3 | 12.2 | 11.8 | 11.3 | 10.9 | 11.5 | 11.6 |
| 725 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 726 | 5 | F | 10.1 | 9.4 | 9.4 | 8.9 | 9.5 | 10.9 | 11.4 | 11.7 | 11.6 | 11.7 | 12.2 | 12.4 | 12.1 | 14.3 | 12.2 | 11.8 | 11.3 | 10.9 | 11.5 | 11.6 |
| 727 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 728 | 5 | F | 10.8 | 10.3 | 10.4 | 9.8 | 10.6 | 10.7 | 11.3 | 11.6 | 10.8 | 11.6 | 12.1 | 11.6 | 10.3 | 11.4 | 12.0 | 11.7 | 11.5 | 10.9 | 10.3 | 7.9 |
| 729 | 5 | F | 10.8 | 10.3 | 10.4 | 9.8 | 10.6 | 10.7 | 11.3 | 11.6 | 10.8 | 11.6 | 12.1 | 11.6 | 10.3 | 11.4 | 12.0 | 11.7 | 11.5 | 10.9 | 10.3 | 7.9 |
| 730 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 731 | 5 | F | 10.0 | 9.7 | 8.9 | 9.1 | 9.6 | 9.8 | 11.0 | 10.7 | 10.3 | 10.6 | 11.1 | 11.0 | 10.8 | 10.7 | 10.5 | 10.4 | 10.6 | 10.5 | 11.4 | 10.9 |
| 732 | 5 | F | 10.0 | 9.7 | 8.9 | 9.1 | 9.6 | 9.8 | 11.0 | 10.7 | 10.3 | 10.6 | 11.1 | 11.0 | 10.8 | 10.7 | 10.5 | 10.4 | 10.6 | 10.5 | 11.4 | 10.9 |
| 733 | 5 | F | 10.7 | 10.5 | 10.8 | 10.7 | 11.1 | 11.4 | 11.5 | 11.6 | 11.7 | 12.1 | 12.1 | 11.8 | 11.6 | 11.3 | 10.5 | 8.5 | 6.1 | 11.1 | 12.1 | 6.2 |
| 734 | 5 | F | 10.7 | 10.5 | 10.8 | 10.7 | 11.1 | 11.4 | 11.5 | 11.6 | 11.7 | 12.1 | 12.1 | 11.8 | 11.6 | 11.3 | 10.5 | 8.5 | 6.1 | --- | --- | --- |
| 735 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 736 | 5 | F | 10.5 | 9.5 | 9.4 | 9.3 | 9.4 | 10.5 | 10.4 | 10.4 | 11.3 | 11.4 | 11.0 | 11.5 | 11.4 | 11.4 | 11.3 | 11.8 | 11.5 | 10.4 | 11.8 | 11.3 |
| 737 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 738 | 5 | F | 10.5 | 9.5 | 9.4 | 9.3 | 9.4 | 10.5 | 10.4 | 10.4 | 11.3 | 11.4 | 11.0 | 11.5 | 11.4 | 11.4 | 11.3 | 11.8 | 11.5 | 10.4 | 11.8 | 11.3 |
| 739 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 740 | 5 | F | 10.8 | 10.8 | 10.2 | 10.1 | 11.1 | 11.3 | 10.8 | 11.3 | 11.3 | 11.3 | 12.1 | 11.9 | 11.4 | 10.3 | 12.4 | 10.9 | 11.0 | 12.0 | 11.9 | 11.8 |
| 741 | 5 | F | 10.8 | 10.8 | 10.2 | 10.1 | 11.1 | 11.3 | 10.8 | 11.3 | 11.3 | 11.3 | 12.1 | 11.9 | 11.4 | 10.3 | 12.4 | 10.9 | 11.0 | 12.0 | 11.9 | 11.8 |
| 742 | 5 | F | 9.4 | 9.4 | 9.2 | 9.4 | 9.7 | 10.0 | 10.2 | 10.6 | 11.0 | 10.6 | 11.0 | 10.8 | 10.8 | 10.7 | 10.5 | 10.6 | 10.9 | 10.6 | 9.8 | 10.6 |
| 743 | 5 | F | 9.4 | 9.4 | 9.2 | 9.4 | 9.7 | 10.0 | 10.2 | 10.6 | 11.0 | 10.6 | 11.0 | 10.8 | 10.8 | 10.7 | 10.5 | 10.6 | 10.9 | 10.6 | 9.8 | 10.6 |
| 744 | 5 | F | 9.4 | 9.4 | 9.2 | 9.4 | 9.7 | 10.0 | 10.2 | 10.6 | 11.0 | 10.6 | 11.0 | 10.8 | 10.8 | 10.7 | 10.5 | 10.6 | 10.9 | 10.6 | 9.8 | 10.6 |
| 745 | 5 | F | 10.6 | 9.5 | 10.2 | 9.4 | 10.4 | 11.1 | 10.9 | 11.5 | 11.1 | 10.8 | 12.0 | 11.6 | 11.0 | 11.1 | 11.4 | 11.6 | 11.1 | 11.2 | 11.9 | 11.1 |
| 746 | 5 | F | 10.6 | 9.5 | 10.2 | 9.4 | 10.4 | 11.1 | 10.9 | 11.5 | 11.1 | 10.8 | 12.0 | 11.6 | 11.0 | 11.1 | 11.4 | 11.6 | 11.1 | 11.2 | 11.9 | 11.1 |
| 747 | 5 | F | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 748 | 5 | F | 9.5 | 9.2 | 10.0 | 9.5 | 9.8 | 10.0 | 10.6 | 11.1 | 11.0 | 11.3 | 11.4 | 11.3 | 11.4 | 11.0 | 10.7 | 11.2 | 10.7 | 10.1 | 9.9 | 10.8 |
| 749 | 5 | F | 9.5 | 9.2 | 10.0 | 9.5 | 9.8 | 10.0 | 10.6 | 11.1 | 11.0 | 11.3 | 11.4 | 11.3 | 11.4 | 11.0 | 10.7 | 11.2 | 10.7 | 10.1 | 9.9 | 10.8 |
| 750 | 5 | F | 9.5 | 9.2 | 10.0 | 9.5 | 9.8 | 10.0 | 10.6 | 11.1 | 11.0 | 11.3 | 11.4 | 11.3 | 11.4 | 11.0 | 10.7 | 11.2 | 10.7 | 10.1 | 9.9 | 10.8 |

--- = NO AVAILABLE DATA

Table VI.4a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 14

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $u m^3$ | MCH pg | MCHC g/dl | RBC $x 10^6/mm^3$ | WBC $x 10^3/mm^3$ | PLT $x 10^3/mm^3$ | IM NEUT % WBC | M NEUT % WBC | LYM % WBC | MON % WBC | EOS % WBC | BASO % WBC | NRBC /100 WBC | RETIC % RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 47.2 | 17.9 | 49 | 19.2 | 39.0 | 9.59 | 8.6 | 649 | 0 | 19 | 81 | 0 | 0 | 0 | 0 | 2.2 | 0 | 0 | 000 |
| 32 | 1 | M | 44.9 | 17.3 | 49 | 19.6 | 39.5 | 9.04 | 7.3 | 550 | 0 | 18 | 82 | 0 | 0 | 0 | 1 | 1.1 | 0 | 0 | 0.000 |
| 40 | 1 | M | 47.7 | 17.9 | 50 | 19.2 | 38.6 | 9.58 | 9.3 | 588 | 0 | 22 | 77 | 1 | 0 | 0 | 1 | 1.2 | 0 | 0 | 0.000 |
| 41 | 1 | M | 43.1 | 17.1 | 49 | 20.0 | 40.6 | 8.72 | 7.6 | 696 | 0 | 21 | 78 | 1 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0.000 |
| 43 | 1 | M | 46.9 | 17.7 | 50 | 19.3 | 38.4 | 9.34 | 8.8 | 538 | 0 | 21 | 78 | 1 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0.000 |
| 52 | 1 | M | 47.0 | 17.9 | 48 | 19.0 | 39.0 | 9.63 | 9.4 | 886 | 0 | 19 | 81 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.130 |
| 53 | 1 | M | 47.0 | 17.8 | 50 | 19.3 | 38.8 | 9.46 | 8.3 | 666 | 0 | 11 | 89 | 0 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0.058 |
| 55 | 1 | M | 46.5 | 17.4 | 49 | 18.8 | 38.4 | 9.50 | 7.9 | 553 | 0 | 23 | 77 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0.065 |
| 61 | 1 | M | 43.9 | 16.8 | 50 | 19.7 | 39.2 | 8.74 | 7.2 | 763 | 0 | 20 | 79 | 0 | 1 | 0 | 0 | 1.2 | 0 | 0 | 0.262 |
| 73 | 1 | M | 43.6 | 17.0 | 49 | 19.5 | 39.8 | 8.87 | 6.4 | 628 | 0 | 15 | 84 | 0 | 1 | 0 | 0 | 1.1 | 0 | 0 | 0.262 |
| 93 | 1 | F | 45.7 | 17.4 | 52 | 20.6 | 39.0 | 8.62 | 6.6 | 498 | 0 | 22 | 77 | 0 | 1 | 0 | 0 | 1.2 | 0 | 0 | 0.262 |
| 96 | 1 | F | 43.7 | 17.5 | 54 | 22.0 | 41.2 | 8.16 | 9.4 | 640 | 0 | 13 | 87 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.117 |
| 104 | 1 | F | 41.7 | 16.8 | 53 | 21.9 | 41.4 | 7.84 | 6.3 | 530 | 0 | 9 | 89 | 0 | 2 | 0 | 0 | 1.1 | 0 | 0 | 0.328 |
| 119 | 1 | F | 43.2 | 17.1 | 53 | 21.6 | 40.6 | 8.08 | 7.3 | 672 | 0 | 21 | 79 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0.117 |
| 126 | 1 | F | 45.0 | 17.5 | 53 | 21.2 | 40.0 | 8.47 | 5.4 | 539 | 0 | 20 | 79 | 1 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0.131 |
| 127 | 1 | F | 45.5 | 17.5 | 53 | 20.9 | 39.5 | 8.59 | 7.2 | 728 | 0 | 20 | 78 | 1 | 1 | 0 | 1 | 1.4 | 0 | 0 | 0.234 |
| 131 | 1 | F | 42.4 | 17.2 | 54 | 22.4 | 41.7 | 7.83 | 7.2 | 698 | 0 | 12 | 85 | 0 | 3 | 0 | 0 | 1.7 | 0 | 0 | 0.259 |
| 135 | 1 | F | 47.2 | 17.7 | 53 | 20.2 | 38.2 | 8.91 | 6.6 | 562 | 0 | 15 | 85 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.324 |
| 144 | 1 | F | 41.7 | 17.0 | 53 | 22.4 | 41.8 | 7.73 | --- | 894 | 0 | 20 | 80 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0 | 0.000 |
| 146 | 1 | F | 44.5 | 18.2 | 53 | 22.4 | 42.0 | 8.31 | 8.8 | 350 | 0 | 27 | 71 | 0 | 2 | 0 | 0 | 0.8 | 0 | 0 | 0.000 |
| 160 | 2 | M | 43.7 | 16.8 | 50 | 19.6 | 39.3 | 8.74 | 8.8 | 812 | 0 | 9 | 90 | 0 | 1 | 0 | 0 | 1.8 | 0 | 0 | 0.000 |
| 161 | 2 | M | 43.9 | 17.7 | 49 | 20.3 | 41.1 | 8.87 | 11.3 | 589 | 0 | 17 | 81 | 0 | 2 | 0 | 0 | 1.5 | 0 | 0 | 0.259 |
| 170 | 2 | M | 45.7 | 17.7 | 50 | 19.6 | 39.4 | 9.19 | 7.5 | 700 | 0 | 17 | 82 | 0 | 1 | 0 | 0 | 0.9 | 0 | 0 | 0.058 |
| 181 | 2 | M | 43.4 | 16.9 | 49 | 19.8 | 40.0 | 8.72 | 8.6 | 625 | 0 | 26 | 73 | 0 | 1 | 0 | 0 | 1.6 | 0 | 0 | 0.262 |
| 185 | 2 | M | 45.3 | 17.0 | 50 | 19.1 | 38.4 | 9.10 | 8.3 | 462 | 0 | 13 | 87 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.194 |
| 206 | 2 | M | 43.2 | 17.3 | 50 | 20.6 | 41.2 | 8.59 | 9.0 | 523 | 0 | 20 | 79 | 0 | 1 | 0 | 0 | 1.7 | 0 | 0 | 0.000 |
| 212 | 2 | M | 46.5 | 17.8 | 49 | 19.2 | 39.0 | 9.45 | 8.5 | 502 | 0 | 13 | 87 | 0 | 0 | 0 | 0 | 0.7 | 0 | 0 | 0.000 |
| 216 | 2 | M | 46.3 | 17.1 | 49 | 18.4 | 37.8 | 9.50 | 10.1 | 688 | 0 | 16 | 83 | 0 | 1 | 0 | 0 | 1.0 | 0 | 0 | 0.065 |
| 217 | 2 | M | 43.4 | 17.0 | 50 | 20.1 | 40.1 | 8.65 | 5.9 | 648 | 0 | 23 | 74 | 2 | 1 | 0 | 1 | 1.2 | 0 | 0 | 0.000 |
| 219 | 2 | M | 44.8 | 17.1 | 50 | 19.4 | 39.0 | 9.01 | 7.7 | 644 | 0 | 16 | 84 | 0 | 0 | 0 | 1 | 1.3 | 0 | 0 | 0.262 |
| 233 | 2 | F | 45.2 | 17.2 | 53 | 20.6 | 39.2 | 8.56 | 8.2 | 224 | 0 | 5 | 92 | 1 | 2 | 0 | 1 | 0.7 | 0 | 0 | 0.197 |
| 248 | 2 | F | 42.2 | 17.1 | 52 | 21.9 | 41.6 | 7.97 | --- | 530 | 0 | 15 | 84 | 0 | 1 | 0 | 0 | 0.9 | 0 | 0 | 0.000 |
| 249 | 2 | F | 40.9 | 17.5 | 52 | 23.4 | 44.4 | 7.68 | 6.3 | 414 | 0 | 10 | 90 | 0 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0.000 |
| 250 | 2 | F | 46.0 | 18.0 | 52 | 20.6 | 40.0 | 8.88 | --- | 378 | 0 | 12 | 87 | 1 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0.000 |
| 252 | 2 | F | 44.5 | 17.7 | 52 | 21.4 | 40.8 | 8.44 | 5.5 | 822 | 0 | 23 | 77 | 0 | 0 | 0 | 0 | 0.7 | 0 | 0 | 0.131 |
| 266 | 2 | F | --- | 16.6 | 48 | 21.6 | --- | 7.90 | 7.3 | 500 | 0 | 15 | 82 | 0 | 3 | 0 | 0 | 0.9 | 0 | 0 | 0.000 |
| 269 | 2 | F | 42.2 | 17.2 | 52 | 21.9 | 41.8 | 8.02 | 6.4 | 889 | 0 | 26 | 74 | 0 | 0 | 0 | 1 | 0.8 | 0 | 0 | 0.000 |
| 272 | 2 | F | 44.6 | 17.2 | 53 | 21.0 | 39.6 | 8.40 | 6.6 | 414 | 0 | 26 | 74 | 0 | 0 | 0 | 1 | 0.9 | 0 | 0 | 0.117 |
| 276 | 2 | F | 44.5 | 17.7 | 53 | 21.6 | 40.6 | 8.30 | --- | 378 | 0 | 13 | 85 | 1 | 1 | 0 | 0 | 1.1 | 0 | 0 | 0.518 |
| 284 | 2 | F | 43.8 | 17.1 | 54 | 21.6 | 40.0 | 8.07 | 10.5 | 777 | 0 | 10 | 89 | 1 | 0 | 0 | 0 | --- | 0 | 0 | 0.259 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 + positive RBCs per field

## Table VI.4a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 14

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $\mu m^3$ | MCH pg | MCHC g/dl | RBC $\times 10^6/mm^3$ | WBC $\times 10^3/mm^3$ | PLT $\times 10^3/mm^3$ | IMNEUT %WBC | MNEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 46.8 | 17.2 | 50 | 18.8 | 37.8 | 9.43 | 8.9 | 762 | 0 | 12 | 84 | 2 | 2 | 0 | 0 | 0.8 | 0 | 0 | 0.000 |
| 309 | 3 | M | 45.3 | 17.7 | 48 | 19.5 | 40.2 | 9.28 | 8.0 | 589 | 0 | 12 | 86 | 0 | 2 | 0 | 0 | 1.0 | 0 | 0 | 0.000 |
| 317 | 3 | M | 46.3 | 17.1 | 50 | 18.8 | 37.9 | 9.32 | 8.6 | 603 | 0 | 19 | 79 | 0 | 2 | 0 | 0 | 1.6 | 0 | 0 | 0.130 |
| 337 | 3 | M | 47.3 | 18.6 | 49 | 19.8 | 40.3 | 9.61 | 9.4 | 690 | 0 | 24 | 73 | 1 | 2 | 0 | 1 | 1.1 | 0 | 0 | 0.000 |
| 343 | 3 | M | 44.4 | 17.3 | 49 | 19.6 | 40.0 | 9.01 | --- | 673 | 0 | 12 | 85 | 0 | 3 | 0 | 0 | 1.0 | 0 | 0 | 0.262 |
| 345 | 3 | M | 46.4 | 17.7 | 49 | 19.2 | 39.0 | 9.38 | 10.8 | 620 | 0 | 16 | 82 | 0 | 2 | 0 | 0 | 1.1 | 0 | 0 | 0.259 |
| 351 | 3 | M | 42.2 | 17.1 | 50 | 20.8 | 41.7 | 8.40 | 7.2 | 926 | 0 | 13 | 86 | 0 | 1 | 0 | 0 | 2.1 | 0 | 0 | 0.131 |
| 363 | 3 | M | 44.7 | 17.0 | 48 | 18.9 | 39.1 | 9.19 | 6.7 | 648 | 0 | 9 | 89 | 1 | 1 | 0 | 0 | 2.1 | 0 | 0 | 0.000 |
| 365 | 3 | M | 46.6 | 17.3 | 49 | 18.8 | 38.0 | 9.42 | 8.4 | 728 | 0 | 10 | 89 | 0 | 1 | 0 | 0 | 1.1 | 0 | 0 | 0.410 |
| 372 | 3 | M | 42.1 | 16.8 | 50 | 20.4 | 41.0 | 8.39 | 7.3 | 503 | 0 | 22 | 77 | 1 | 0 | 0 | 0 | 1.4 | 0 | 0 | 0.131 |
| 376 | 3 | F | 43.5 | 17.5 | 52 | 21.8 | 41.5 | 8.24 | 5.7 | 506 | 0 | 24 | 73 | 0 | 3 | 0 | 0 | 1.2 | 0 | 0 | 0.259 |
| 384 | 3 | F | 41.7 | 16.8 | 52 | 21.6 | 41.4 | 7.94 | 4.5 | 416 | 0 | 18 | 80 | 1 | 1 | 0 | 2 | 1.2 | 0 | 0 | 0.131 |
| 398 | 3 | F | 45.6 | 17.5 | 52 | 20.6 | 39.4 | 8.67 | --- | 830 | 0 | 17 | 80 | 1 | 2 | 0 | 1 | 0.6 | 0 | 0 | 0.389 |
| 399 | 3 | F | 43.4 | 17.0 | 50 | 20.4 | 40.2 | 8.57 | 6.4 | 666 | 0 | 11 | 87 | 1 | 1 | 0 | 0 | 0.2 | 0 | 0 | 0.131 |
| 411 | 3 | F | 43.8 | 17.2 | 53 | 21.4 | 40.3 | 8.25 | 6.0 | 880 | 0 | 13 | 84 | 1 | 2 | 0 | 0 | 1.1 | 0 | 0 | 0.234 |
| 421 | 3 | F | 46.3 | 17.5 | 53 | 20.4 | 38.9 | 8.82 | --- | 550 | 0 | 12 | 86 | 0 | 2 | 0 | 0 | 1.0 | 0 | 0 | 0.000 |
| 430 | 3 | F | 44.2 | 17.3 | 52 | 20.9 | 40.2 | 8.49 | 6.2 | 642 | 0 | 19 | 80 | 0 | 1 | 0 | 0 | 1.0 | 0 | 0 | 0.000 |
| 436 | 3 | F | 46.7 | 17.5 | 52 | 20.2 | 38.6 | 8.92 | 6.9 | 612 | 0 | 18 | 82 | 0 | 0 | 0 | 1 | 0.9 | 0 | 0 | 0.907 |
| 440 | 3 | F | 44.0 | 16.8 | 53 | 20.8 | 39.1 | 8.24 | --- | 735 | 0 | 15 | 82 | 0 | 3 | 0 | 0 | 1.4 | 0 | 0 | 0.000 |
| 447 | 3 | F | 42.6 | 16.9 | 53 | 21.5 | 40.7 | 8.06 | 7.2 | 707 | 0 | 9 | 87 | 2 | 2 | 0 | 0 | 1.1 | 0 | 0 | 0.000 |
| 460 | 4 | M | 45.9 | 17.1 | 49 | 18.6 | 38.0 | 9.35 | 7.8 | 548 | 0 | 14 | 81 | 0 | 5 | 0 | 0 | 0.9 | 0 | 0 | 0.130 |
| 465 | 4 | M | 47.0 | 17.5 | 48 | 18.4 | 38.0 | 9.69 | 8.9 | 538 | 0 | 23 | 76 | 1 | 0 | 0 | 0 | 1.6 | 0 | 0 | 0.351 |
| 469 | 4 | M | 47.5 | 17.5 | 48 | 18.2 | 37.8 | 9.89 | 8.9 | 882 | 0 | 14 | 82 | 1 | 3 | 0 | 0 | 1.5 | 0 | 0 | 0.130 |
| 471 | 4 | M | 44.1 | 16.9 | 48 | 18.8 | 39.3 | 9.20 | 7.4 | 722 | 0 | 24 | 76 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 | 0.410 |
| 479 | 4 | M | 44.1 | 17.0 | 49 | 19.4 | 39.6 | 8.97 | 8.9 | 812 | 0 | 18 | 82 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0 | 0.117 |
| 481 | 4 | M | 44.9 | 16.8 | 48 | 18.6 | 38.2 | 9.23 | --- | 578 | 0 | 23 | 75 | 1 | 1 | 0 | 0 | 0.8 | 0 | 0 | 0.518 |
| 502 | 4 | M | 43.5 | 16.8 | 49 | 19.2 | 39.4 | 8.92 | 8.2 | 813 | 0 | 26 | 73 | 0 | 1 | 0 | 0 | 1.1 | 0 | 0 | 0.131 |
| 505 | 4 | M | 44.5 | 16.9 | 48 | 18.8 | 38.8 | 9.16 | --- | 830 | 0 | 20 | 79 | 1 | 0 | 0 | 2 | 1.4 | 0 | 0 | 0.131 |
| 519 | 4 | M | 40.7 | 17.1 | 48 | 21.0 | 43.2 | 8.34 | 11.6 | 548 | 0 | 18 | 81 | 0 | 1 | 0 | 0 | 2.0 | 1 | 2 | 0.000 |
| 521 | 4 | M | 42.5 | 16.8 | 49 | 20.2 | 40.8 | 8.55 | 6.6 | 440 | 0 | 20 | 80 | 0 | 0 | 0 | 1 | 0.8 | 0 | 0 | 0.853 |
| 540 | 4 | F | 38.0 | 16.0 | 51 | 22.4 | 43.6 | 7.34 | 5.1 | 489 | 0 | 20 | 75 | 0 | 5 | 0 | 0 | 0.4 | 0 | 0 | 0.131 |
| 550 | 4 | F | 42.4 | 16.4 | 52 | 20.8 | 39.9 | 8.07 | 7.4 | 513 | 0 | 19 | 80 | 1 | 0 | 0 | 1 | --- | 0 | 0 | 0.234 |
| 556 | 4 | F | 44.8 | 16.9 | 52 | 20.1 | 38.6 | 8.59 | 7.2 | 450 | 0 | 14 | 86 | 0 | 0 | 0 | 1 | 1.1 | 0 | 0 | 0.259 |
| 569 | 4 | F | 45.7 | 17.2 | 52 | 20.4 | 38.6 | 8.64 | 7.6 | 722 | 0 | 15 | 84 | 0 | 1 | 0 | 0 | 1.1 | 0 | 0 | 0.389 |
| 574 | 4 | F | 44.8 | 17.0 | 52 | 20.4 | 39.0 | 8.52 | 4.2 | 570 | 0 | 20 | 78 | 1 | 1 | 0 | 2 | 1.3 | 0 | 0 | 0.131 |
| 578 | 4 | F | 44.8 | 17.7 | 52 | 20.8 | 40.4 | 8.66 | 4.6 | 707 | 0 | 24 | 76 | 0 | 0 | 0 | 1 | 1.2 | 0 | 1 | 0.394 |
| 581 | 4 | F | 45.2 | 17.1 | 52 | 20.4 | 38.9 | 8.58 | 6.0 | 728 | 0 | 17 | 81 | 0 | 2 | 0 | 2 | 1.6 | 0 | 0 | 0.194 |
| 586 | 4 | F | 42.5 | 17.6 | 53 | 23.0 | 43.0 | 7.91 | 10.2 | 600 | 0 | 18 | 82 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0 | 0.058 |
| 587 | 4 | F | --- | --- | --- | --- | --- | --- | --- | 186 | 0 | 12 | 85 | 1 | 2 | 0 | 0 | 0.4 | 0 | 0 | 0.066 |
| 593 | 4 | F | 42.0 | 16.3 | 52 | 20.8 | 39.9 | 8.04 | 5.8 | 838 | 0 | 29 | 69 | 1 | 1 | 0 | 1 | 1.2 | 0 | 1 | 0.058 |

--- = NO AVAILABLE DATA

**Code for HowJol and Heinz Bodies**

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

Table VI.4a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 14

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $\mu m^3$ | MCH pg | MCHC g/dl | RBC $\times 10^6/mm^3$ | WBC $\times 10^3/mm^3$ | PLT $\times 10^3/mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 41.5 | 15.6 | 48 | 18.4 | 38.4 | 8.62 | 8.0 | 665 | 0 | 11 | 89 | 0 | 0 | 0 | 0 | 2.1 | 0 | 0 | 0.394 |
| 613 | 5 | M | 39.6 | 15.2 | 49 | 19.4 | 39.6 | 8.01 | 9.6 | 660 | 0 | 22 | 78 | 0 | 0 | 0 | 3 | 0.9 | 0 | 2 | 0.328 |
| 633 | 5 | M | 41.6 | 15.3 | 47 | 17.8 | 37.9 | 8.81 | 8.2 | 984 | 0 | 16 | 84 | 0 | 0 | 0 | 0 | 2.1 | 1 | 1 | 0.259 |
| 642 | 5 | M | 42.9 | 16.1 | 48 | 18.6 | 38.4 | 8.85 | 8.6 | 737 | 0 | 18 | 81 | 0 | 1 | 0 | 0 | 1.2 | 1 | 2 | 0.117 |
| 644 | 5 | M | 38.6 | 15.5 | 49 | 20.2 | 41.3 | 7.82 | 8.5 | 682 | 0 | 18 | 80 | 1 | 1 | 0 | 1 | 1.4 | 0 | 2 | 0.292 |
| 650 | 5 | M | 42.4 | 16.0 | 48 | 19.0 | 38.7 | 8.63 | 8.7 | 650 | 0 | 26 | 71 | 1 | 2 | 0 | 3 | 1.9 | 1 | 2 | 0.389 |
| 661 | 5 | M | 39.9 | 15.3 | 48 | 19.2 | 39.6 | 8.17 | 8.8 | 740 | 0 | 28 | 70 | 0 | 2 | 0 | 0 | 1.8 | 0 | 1 | 0.130 |
| 665 | 5 | M | 39.1 | 15.4 | 48 | 19.6 | 40.6 | 8.05 | 9.5 | 580 | 0 | 15 | 85 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.197 |
| 667 | 5 | M | 41.2 | 15.2 | 48 | 18.4 | 37.7 | 8.44 | 7.0 | 616 | 0 | 12 | 86 | 2 | 0 | 0 | 0 | 0.7 | 1 | 2 | 0.000 |
| 670 | 5 | M | 40.6 | 15.8 | 48 | 19.5 | 40.0 | 8.29 | --- | 728 | 0 | 22 | 77 | 0 | 1 | 0 | 0 | 1.8 | 0 | 0 | 0.234 |
| 683 | 5 | F | 42.6 | 16.0 | 52 | 20.2 | 38.4 | 8.06 | 7.0 | 698 | 1 | 12 | 85 | 0 | 2 | 0 | 0 | 0.8 | 2 | 1 | 0.131 |
| 686 | 5 | F | 40.7 | 15.4 | 53 | 20.6 | 39.0 | 7.66 | 6.9 | 400 | 0 | 31 | 68 | 1 | 0 | 0 | 0 | 1.4 | 2 | 2 | 0.117 |
| 693 | 5 | F | 43.1 | 16.8 | 53 | 21.2 | 39.7 | 8.02 | 6.5 | 690 | 0 | 11 | 89 | 0 | 0 | 0 | 0 | 0.9 | 1 | 2 | 0.000 |
| 701 | 5 | F | 42.6 | 15.9 | 53 | 20.5 | 38.4 | 7.93 | 5.0 | 788 | 0 | 13 | 85 | 2 | 0 | 0 | 0 | 1.4 | 0 | 0 | 0.259 |
| 703 | 5 | F | 42.5 | 15.9 | 54 | 20.6 | 38.2 | 7.88 | 7.7 | 910 | 0 | 16 | 83 | 1 | 0 | 0 | 0 | 2.2 | 0 | 0 | 0.000 |
| 707 | 5 | F | 37.6 | 15.4 | 52 | 22.2 | 42.2 | 7.08 | 4.8 | 576 | 0 | 19 | 81 | 0 | 0 | 0 | 0 | 0.6 | 1 | 2 | 0.131 |
| 726 | 5 | F | 42.1 | 15.5 | 53 | 20.1 | 38.0 | 7.93 | 8.6 | 662 | 0 | 11 | 88 | 0 | 1 | 0 | 0 | 2.1 | 0 | 1 | 0.389 |
| 731 | 5 | F | 43.7 | 16.5 | 54 | 20.9 | 38.8 | 8.09 | 8.9 | 628 | 0 | 14 | 86 | 0 | 0 | 0 | 1 | 1.8 | 1 | 1 | 0.000 |
| 733 | 5 | F | 42.9 | 15.8 | 53 | 20.0 | 37.7 | 8.07 | --- | 1012 | 0 | 10 | 90 | 0 | 0 | 0 | 0 | 1.9 | 0 | 1 | 0.065 |
| 736 | 5 | F | 40.0 | 15.4 | 52 | 21.2 | 39.8 | 7.49 | --- | 1002 | 0 | 22 | 77 | 1 | 0 | 0 | 2 | 0.8 | 0 | 0 | 0.066 |

--- = NO AVAILABLE DATA

**Code for HowJol and Heinz Bodies**

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 + positive RBCs per field

Table VI.4b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 26

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $um^3$ | MCH pg | MCHC g/dl | RBC x $10^6$/$mm^3$ | WBC x $10^3$/$mm^3$ | PLT x $10^3$/$mm^3$ | IMNEUT %WBC | MNEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 45.0 | 16.9 | 49 | 19.0 | 38.6 | 9.15 | 6.7 | 674 | 0 | 33 | 61 | 0 | 6 | 0 | 2 | 2.1 | 0 | 0 | 0.580 |
| 32 | 1 | M | 44.6 | 17.1 | 49 | 19.2 | 39.2 | 9.07 | 8.3 | 752 | 0 | 20 | 79 | 0 | 1 | 0 | 1 | 1.9 | 0 | 0 | 0.400 |
| 40 | 1 | M | 45.3 | 16.9 | 50 | 19.2 | 38.6 | 9.06 | 8.2 | 752 | 0 | 21 | 78 | 1 | 0 | 0 | 0 | 1.9 | 0 | 0 | 0.400 |
| 41 | 1 | M | 43.1 | 17.1 | 49 | 19.9 | 40.6 | 8.80 | 8.3 | 688 | 0 | 29 | 69 | 1 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0.610 |
| 43 | 1 | M | 43.5 | 16.6 | 49 | 19.4 | 39.6 | 8.90 | 8.3 | 580 | 0 | 11 | 87 | 2 | 0 | 0 | 0 | 1.8 | 0 | 0 | 0.580 |
| 52 | 1 | M | 44.1 | 17.2 | 48 | 19.2 | 39.9 | 9.15 | 7.3 | 651 | 0 | 19 | 77 | 1 | 3 | 0 | 0 | 1.4 | 0 | 0 | 0.850 |
| 53 | 1 | M | 44.1 | 17.3 | 48 | 19.6 | 40.2 | 9.05 | 7.5 | 704 | 0 | 23 | 72 | 3 | 2 | 0 | 0 | 1.6 | 0 | 0 | 0.640 |
| 55 | 1 | M | 46.3 | 17.4 | 47 | 18.4 | 39.0 | 9.77 | 8.7 | 478 | 0 | 25 | 74 | 0 | 1 | 0 | 0 | 1.8 | 0 | 0 | 0.500 |
| 63 | 1 | M | 41.7 | 17.7 | 49 | 21.4 | 43.5 | 8.44 | 8.2 | 727 | 0 | 20 | 74 | 3 | 3 | 0 | 0 | 1.6 | 0 | 0 | 0.410 |
| 73 | 1 | M | 44.6 | 17.4 | 49 | 19.6 | 40.2 | 9.10 | 7.6 | 1104 | 0 | 25 | 73 | 0 | 2 | 0 | 0 | 1.3 | 0 | 0 | 0.460 |
| 93 | 1 | F | 44.0 | 18.0 | 53 | 22.5 | 42.2 | 8.20 | --- | 138 | 0 | 21 | 76 | 0 | 3 | 0 | 1 | 1.8 | 0 | 0 | 0.610 |
| 96 | 1 | F | 42.5 | 16.3 | 54 | 21.2 | 39.6 | 7.88 | 6.8 | 880 | 0 | 12 | 87 | 0 | 1 | 0 | 0 | 1.6 | 0 | 0 | 0.950 |
| 104 | 1 | F | 42.8 | 16.9 | 52 | 21.4 | 40.6 | 8.05 | 6.9 | 980 | 0 | 39 | 60 | 0 | 1 | 0 | 0 | 1.8 | 0 | 0 | 0.610 |
| 83 | 1 | F | 43.1 | 16.8 | 53 | 21.2 | 40.0 | 8.06 | 5.1 | 708 | 0 | 38 | 62 | 0 | 0 | 0 | 1 | 1.3 | 0 | 0 | 0.800 |
| 126 | 1 | F | 40.7 | 17.3 | 53 | 23.3 | 43.8 | 7.60 | 4.4 | 808 | 0 | 17 | 83 | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 | 0.510 |
| 127 | 1 | F | 40.1 | 15.6 | 53 | 21.5 | 40.0 | 7.42 | 4.8 | 830 | 0 | 23 | 74 | 1 | 2 | 0 | 0 | 1.6 | 0 | 0 | 0.580 |
| 131 | 1 | F | 42.7 | 16.5 | 54 | 21.6 | 39.9 | 7.88 | 6.4 | 829 | 0 | 30 | 70 | 0 | 0 | 0 | 1 | 1.2 | 0 | 0 | 0.400 |
| 135 | 1 | F | 43.0 | 16.8 | 53 | 21.3 | 40.0 | 8.04 | 4.2 | 760 | 0 | 8 | 91 | 0 | 1 | 0 | 0 | 1.3 | 0 | 0 | 0.700 |
| 144 | 1 | F | 44.2 | 16.6 | 54 | 20.8 | 38.6 | 8.24 | 4.9 | 677 | 0 | 21 | 79 | 0 | 0 | 0 | 3 | 1.5 | 0 | 0 | 0.550 |
| 146 | 1 | F | 43.8 | 16.4 | 53 | 20.8 | 38.8 | 8.16 | 6.2 | 650 | 0 | 11 | 88 | 1 | 0 | 0 | 0 | 2.7 | 0 | 0 | 0.530 |
| 160 | 2 | M | 42.1 | 16.5 | 49 | 20.0 | 40.6 | 8.50 | 8.7 | 860 | 0 | 23 | 73 | 1 | 3 | 0 | 0 | 1.4 | 0 | 0 | 0.800 |
| 161 | 2 | M | 46.3 | 17.3 | 48 | 18.8 | 38.4 | 9.49 | 7.8 | 694 | 0 | 26 | 71 | 0 | 3 | 0 | 1 | 1.4 | 0 | 1 | 0.750 |
| 170 | 2 | M | 45.3 | 17.1 | 50 | 19.4 | 38.8 | 9.02 | 8.7 | 352 | 0 | 24 | 76 | 0 | 0 | 0 | 0 | 1.9 | 0 | 0 | 0.640 |
| 181 | 2 | M | 43.4 | 17.0 | 48 | 19.4 | 40.3 | 8.97 | 9.7 | 653 | 0 | 21 | 76 | 3 | 0 | 0 | 2 | 1.8 | 0 | 0 | 0.510 |
| 185 | 2 | M | 44.0 | 16.6 | 49 | 19.1 | 39.0 | 8.96 | 8.3 | 476 | 0 | 17 | 83 | 0 | 0 | 0 | 1 | 1.8 | 0 | 0 | 0.600 |
| 206 | 2 | M | 44.0 | 16.6 | 47 | 18.4 | 38.8 | 9.24 | 8.3 | 900 | 0 | 24 | 73 | 1 | 2 | 0 | 0 | 2.4 | 0 | 0 | 0.640 |
| 212 | 2 | M | 44.1 | 16.8 | 48 | 18.9 | 38.9 | 9.05 | 8.6 | 710 | 0 | 40 | 59 | 0 | 1 | 0 | 0 | 1.5 | 0 | 1 | 0.850 |
| 216 | 2 | M | 44.7 | 16.9 | 48 | 18.8 | 39.0 | 9.23 | 10.4 | 744 | 0 | 18 | 82 | 0 | 0 | 0 | 0 | 2.0 | 0 | 1 | 0.600 |
| 217 | 2 | M | 44.0 | 17.1 | 48 | 19.3 | 40.0 | 9.10 | 7.7 | 692 | 0 | 21 | 77 | 0 | 2 | 0 | 0 | 1.9 | 0 | 0 | 0.460 |
| 219 | 2 | M | 40.8 | 16.1 | 48 | 19.9 | 40.8 | 8.30 | 10.2 | 510 | 0 | 21 | 78 | 1 | 0 | 0 | 1 | 1.7 | 0 | 0 | 0.610 |
| 233 | 2 | F | 41.1 | 17.2 | 52 | 22.6 | 43.0 | 7.78 | 5.0 | 512 | 0 | 18 | 78 | 0 | 4 | 0 | 0 | 1.0 | 0 | 0 | 0.560 |
| 248 | 2 | F | 41.1 | 16.4 | 54 | 22.1 | 41.2 | 7.62 | 4.8 | 804 | 0 | 21 | 78 | 0 | 1 | 0 | 2 | 1.6 | 0 | 2 | 1.000 |
| 249 | 2 | F | 40.0 | 15.5 | 54 | 21.6 | 40.1 | 7.38 | 5.7 | 380 | 0 | 11 | 88 | 0 | 1 | 0 | 2 | 2.1 | 0 | 0 | 0.420 |
| 250 | 2 | F | 38.7 | 15.4 | 54 | 22.2 | 41.0 | 7.08 | 5.4 | 263 | 0 | 33 | 65 | 0 | 2 | 0 | 0 | 1.2 | 0 | 0 | 0.480 |
| 252 | 2 | F | 43.5 | 17.4 | 53 | 22.0 | 41.2 | 8.09 | --- | 1025 | 0 | 22 | 75 | 0 | 3 | 0 | 0 | 1.7 | 0 | 0 | 0.510 |
| 266 | 2 | F | 41.2 | 15.8 | 52 | 20.8 | 39.3 | 7.74 | --- | 502 | 0 | 29 | 68 | 1 | 2 | 0 | 0 | 2.0 | 0 | 0 | 0.530 |
| 272 | 2 | F | 42.5 | 16.3 | 53 | 21.1 | 39.6 | 7.91 | --- | 808 | 0 | 20 | 80 | 0 | 0 | 0 | 1 | 1.5 | 0 | 0 | 0.420 |
| 276 | 2 | F | 42.5 | 16.6 | 53 | 21.5 | 40.4 | 7.92 | 6.8 | 800 | 0 | 20 | 78 | 0 | 2 | 0 | 0 | 1.3 | 0 | 0 | 0.700 |
| 284 | 2 | F | 41.6 | 16.5 | 54 | 22.1 | 41.0 | 7.67 | --- | 510 | 0 | 14 | 85 | 1 | 0 | 0 | 1 | 2.2 | 0 | 0 | 0.650 |
| 307 | 3 | M | 44.7 | 16.8 | 49 | 19.0 | 38.4 | 9.04 | 8.4 | 631 | 0 | 17 | 82 | 1 | 0 | 0 | 2 | 3.0 | 0 | 0 | 0.500 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

# Table VI.4b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 26

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $u m^3$ | MCH pg | MCHC g/dl | RBC $x 10^6/mm^3$ | WBC $x 10^3/mm^3$ | PLT $x 10^3/mm^3$ | IM NEUT % WBC | M NEUT % WBC | LYM % WBC | MON % WBC | EOS % WBC | BAS % WBC | NRBC /100 WBC | RETIC % RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 303 | 3 | M | 44.7 | 16.9 | 49 | 19.2 | 38.8 | 9.01 | 9.2 | 562 | 0 | 15 | 83 | 0 | 2 | 0 | 0 | 1.2 | 0 | 1 | 0.640 |
| 317 | 3 | M | 42.7 | 16.5 | 48 | 19.4 | 40.2 | 8.77 | 9.4 | 660 | 0 | 23 | 77 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1 | 0.800 |
| 337 | 3 | M | 42.6 | 16.4 | 48 | 19.2 | 40.0 | 8.84 | 7.3 | 478 | 0 | 14 | 85 | 0 | 1 | 0 | 0 | 1.2 | 0 | 0 | 0.530 |
| 343 | 3 | M | 43.4 | 17.5 | 48 | 20.2 | 41.8 | 8.93 | 9.5 | 642 | 0 | 18 | 79 | 2 | 1 | 0 | 1 | 2.1 | 0 | 0 | 0.710 |
| 345 | 3 | M | 46.3 | 17.3 | 48 | 18.5 | 38.6 | 9.66 | 8.9 | 422 | 0 | 29 | 68 | 0 | 3 | 0 | 1 | 1.0 | 0 | 0 | 0.550 |
| 351 | 3 | M | 43.4 | 16.6 | 46 | 18.5 | 39.6 | 9.28 | 13.7 | 650 | 0 | 30 | 65 | 1 | 4 | 0 | 0 | 1.3 | 0 | 0 | 0.510 |
| 363 | 3 | M | 42.9 | 17.3 | 49 | 20.2 | 41.6 | 8.77 | 9.8 | 424 | 0 | 24 | 74 | 1 | 1 | 0 | 0 | 1.7 | 0 | 0 | 0.660 |
| 365 | 3 | M | 44.0 | 16.9 | 49 | 19.4 | 39.3 | 8.90 | 8.5 | 656 | 0 | 27 | 71 | 0 | 2 | 0 | 0 | 1.4 | 0 | 0 | 0.640 |
| 372 | 3 | M | 44.2 | 16.9 | 48 | 19.0 | 39.2 | 9.14 | 10.0 | 880 | 0 | 27 | 72 | 0 | 1 | 0 | 0 | 1.7 | 0 | 0 | 0.460 |
| 376 | 3 | F | 43.4 | 17.0 | 52 | 21.2 | 40.4 | 8.18 | --- | 980 | 0 | 6 | 93 | 0 | 1 | 0 | 1 | 1.6 | 0 | 1 | 0.600 |
| 384 | 3 | F | 44.9 | 17.4 | 52 | 20.9 | 39.8 | 8.53 | 4.8 | 461 | 0 | 21 | 79 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.710 |
| 398 | 3 | F | 43.8 | 17.2 | 52 | 21.2 | 40.3 | 8.30 | 5.4 | 966 | 0 | 18 | 81 | 0 | 1 | 0 | 2 | 2.0 | 0 | 0 | 0.650 |
| 399 | 3 | F | 40.8 | 16.4 | 54 | 22.3 | 41.4 | 7.54 | 5.5 | 438 | 0 | 21 | 77 | 2 | 0 | 0 | 1 | 1.3 | 0 | 0 | 0.760 |
| 411 | 3 | F | 39.4 | 15.1 | 53 | 21.0 | 39.4 | 7.34 | 4.1 | 620 | 0 | 28 | 70 | 0 | 2 | 0 | 0 | 1.0 | 0 | 0 | 0.580 |
| 421 | 3 | F | 41.7 | 16.4 | 53 | 21.6 | 40.6 | 7.79 | 6.3 | 560 | 0 | 17 | 82 | 0 | 1 | 0 | 0 | 1.9 | 0 | 0 | 0.700 |
| 430 | 3 | F | 42.7 | 16.8 | 52 | 21.2 | 40.5 | 8.11 | 4.5 | 826 | 0 | 15 | 85 | 0 | 0 | 0 | 3 | 1.3 | 0 | 0 | 0.800 |
| 436 | 3 | F | 41.6 | 16.2 | 52 | 21.1 | 40.2 | 7.89 | --- | 562 | 0 | 18 | 81 | 0 | 1 | 0 | 0 | 1.5 | 0 | 2 | 0.650 |
| 440 | 3 | F | 43.5 | 16.8 | 53 | 21.0 | 39.6 | 8.14 | 4.6 | 538 | 0 | 15 | 84 | 0 | 1 | 0 | 2 | 1.8 | 0 | 0 | 0.740 |
| 447 | 3 | F | 43.2 | 17.2 | 54 | 22.0 | 41.1 | 8.00 | 4.4 | 562 | 0 | 16 | 83 | 0 | 1 | 0 | 0 | 1.3 | 0 | 0 | 0.610 |
| 460 | 4 | M | 44.5 | 16.9 | 48 | 18.8 | 39.0 | 9.21 | 4.1 | 615 | 0 | 13 | 84 | 0 | 3 | 0 | 0 | 1.4 | 0 | 0 | 0.800 |
| 465 | 4 | M | 43.1 | 17.1 | 48 | 19.6 | 40.7 | 8.92 | 9.4 | 940 | 0 | 18 | 78 | 1 | 2 | 0 | 0 | 1.2 | 0 | 0 | 0.740 |
| 469 | 4 | M | 44.2 | 16.9 | 48 | 18.7 | 39.3 | 9.28 | 7.5 | 491 | 0 | 17 | 81 | 0 | 2 | 0 | 0 | 1.2 | 0 | 1 | 0.600 |
| 471 | 4 | M | 45.5 | 17.0 | 48 | 18.6 | 38.3 | 9.34 | 8.3 | 681 | 0 | 19 | 78 | 1 | 2 | 0 | 0 | 2.6 | 0 | 0 | 0.640 |
| 479 | 4 | M | 42.4 | 16.3 | 48 | 19.4 | 39.8 | 8.68 | 8.7 | 612 | 0 | 18 | 79 | 0 | 3 | 0 | 2 | 1.2 | 0 | 0 | 0.690 |
| 481 | 4 | M | 41.7 | 16.0 | 48 | 19.0 | 39.6 | 8.62 | 8.4 | 649 | 0 | 39 | 57 | 1 | 3 | 0 | 0 | 2.0 | 0 | 0 | 0.500 |
| 502 | 4 | M | 44.9 | 17.7 | 48 | 19.2 | 40.3 | 9.39 | 9.0 | 500 | 0 | 20 | 76 | 2 | 2 | 0 | 0 | 1.5 | 1 | 0 | 1.020 |
| 505 | 4 | M | 42.8 | 16.5 | 48 | 19.1 | 39.9 | 8.91 | 7.8 | 578 | 0 | 25 | 70 | 1 | 4 | 0 | 0 | 1.4 | 0 | 0 | 0.560 |
| 519 | 4 | M | 43.1 | 16.4 | 47 | 18.6 | 39.4 | 9.07 | 10.8 | 680 | 0 | 7 | 92 | 1 | 0 | 0 | 0 | 1.5 | 0 | 1 | 0.800 |
| 521 | 4 | M | 42.7 | 16.6 | 47 | 19.0 | 40.0 | 8.94 | 8.9 | 649 | 0 | 19 | 78 | 1 | 2 | 0 | 1 | 1.6 | 0 | 0 | 0.660 |
| 540 | 4 | F | 43.6 | 17.0 | 52 | 20.8 | 40.0 | 8.30 | 6.7 | 900 | 0 | 15 | 85 | 0 | 0 | 0 | 0 | 1.7 | 0 | 0 | 0.410 |
| 550 | 4 | F | 42.7 | 16.4 | 52 | 21.0 | 39.7 | 8.02 | 5.0 | 508 | 0 | 7 | 93 | 0 | 0 | 0 | 1 | 1.2 | 0 | 1 | 0.500 |
| 556 | 4 | F | 45.0 | 17.1 | 52 | 20.6 | 39.2 | 8.56 | 7.8 | 352 | 0 | 14 | 84 | 0 | 2 | 0 | 1 | 2.3 | 0 | 1 | 0.550 |
| 569 | 4 | F | 42.9 | 16.4 | 52 | 20.8 | 39.4 | 8.08 | 6.0 | 827 | 0 | 24 | 74 | 0 | 2 | 0 | 1 | 2.0 | 0 | 0 | 0.700 |
| 574 | 4 | F | 42.8 | 17.0 | 52 | 21.8 | 41.1 | 8.00 | 5.7 | 378 | 0 | 13 | 86 | 1 | 0 | 0 | 2 | 2.2 | 0 | 2 | 0.460 |
| 578 | 4 | F | 42.4 | 16.6 | 52 | 21.1 | 40.6 | 8.12 | 5.4 | 908 | 0 | 22 | 77 | 0 | 1 | 0 | 0 | 1.3 | 0 | 0 | 0.510 |
| 581 | 4 | F | 42.8 | 16.1 | 53 | 20.6 | 38.5 | 7.97 | 6.3 | 880 | 0 | 29 | 68 | 1 | 2 | 0 | 3 | 3.2 | 0 | 0 | 0.500 |
| 586 | 4 | F | 41.4 | 16.1 | 53 | 21.2 | 39.8 | 7.73 | 4.5 | 816 | 0 | 16 | 81 | 2 | 1 | 0 | 0 | 2.0 | 0 | 0 | 0.530 |
| 587 | 4 | F | 43.9 | 16.9 | 53 | 21.0 | 39.5 | 8.19 | 4.9 | 990 | 0 | 27 | 72 | 0 | 1 | 0 | 0 | 1.0 | 0 | 0 | 0.660 |
| 593 | 4 | F | 43.4 | 16.5 | 52 | 20.6 | 39.4 | 8.22 | --- | 622 | 0 | 20 | 80 | 0 | 0 | 0 | 0 | 1.4 | 0 | 0 | 1.060 |
| 601 | 5 | M | 38.3 | 15.4 | 47 | 19.8 | 41.8 | 8.04 | 8.2 | 730 | 0 | 17 | 81 | 0 | 2 | 0 | 0 | 2.2 | 1 | 1 | 0.660 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

## Table VI.4b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 26

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $um^3$ | MCH pg | MCHC g/dl | RBC x $10^6/mm^3$ | WBC x $10^3/mm^3$ | PLT x $10^3/mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 613 | 5 | M | 39.1 | 14.8 | 48 | 18.8 | 39.2 | 8.06 | 6.7 | 712 | 0 | 16 | 83 | 1 | 0 | 0 | 0 | 2.1 | 1 | 2 | 0.610 |
| 633 | 5 | M | 41.8 | 15.3 | 46 | 17.6 | 37.8 | 8.97 | 7.5 | 732 | 0 | 19 | 79 | 2 | 0 | 0 | 0 | 2.1 | 0 | 0 | 1.000 |
| 642 | 5 | M | 36.9 | 13.9 | 47 | 18.5 | 38.6 | 7.67 | 7.7 | 928 | 0 | 59 | 40 | 0 | 1 | 0 | 0 | 1.9 | 1 | 3 | 0.640 |
| 644 | 5 | M | 41.5 | 15.1 | 48 | 18.2 | 37.4 | 8.50 | 10.2 | 600 | 0 | 21 | 77 | 1 | 1 | 0 | 1 | 1.8 | 0 | 2 | 0.740 |
| 650 | 5 | M | 41.6 | 14.9 | 48 | 17.8 | 36.8 | 8.53 | 9.0 | 900 | 0 | 26 | 74 | 0 | 0 | 0 | 5 | 3.1 | 0 | 2 | 0.550 |
| 661 | 5 | M | 38.9 | 14.4 | 46 | 17.8 | 38.3 | 8.35 | 8.3 | 618 | 0 | 24 | 75 | 0 | 1 | 0 | 2 | 2.5 | 1 | 3 | 0.600 |
| 665 | 5 | M | 39.4 | 14.8 | 46 | 17.9 | 38.5 | 8.45 | 9.3 | 1202 | 0 | 16 | 81 | 0 | 1 | 0 | 0 | 2.3 | 1 | 1 | 0.610 |
| 667 | 5 | M | 40.1 | 15.6 | 48 | 19.3 | 40.1 | 8.28 | 10.1 | 751 | 0 | 12 | 88 | 0 | 0 | 0 | 0 | 2.4 | 0 | 1 | 0.820 |
| 670 | 5 | M | 41.6 | 15.4 | 48 | 18.6 | 38.2 | 8.53 | 11.0 | 668 | 0 | 21 | 77 | 0 | 2 | 0 | 0 | 3.1 | 0 | 2 | 0.740 |
| 683 | 5 | F | 38.2 | 15.0 | 52 | 21.6 | 40.6 | 7.13 | 6.6 | 1060 | 0 | 26 | 74 | 0 | 0 | 0 | 1 | 1.5 | 2 | 0 | 0.710 |
| 686 | 5 | F | 37.1 | 14.2 | 53 | 21.0 | 39.4 | 6.94 | 3.1 | 840 | 0 | 16 | 82 | 0 | 2 | 0 | 0 | 2.3 | 0 | 1 | 0.690 |
| 693 | 5 | F | 36.8 | 13.7 | 53 | 20.8 | 38.8 | 6.81 | 4.8 | 840 | 0 | 29 | 71 | 0 | 0 | 0 | 1 | 2.8 | 0 | 0 | 0.420 |
| 701 | 5 | F | 40.4 | 15.3 | 53 | 20.7 | 39.0 | 7.58 | 6.7 | 814 | 0 | 13 | 84 | 1 | 2 | 0 | 2 | 1.7 | 1 | 3 | 0.600 |
| 703 | 5 | F | 39.0 | 15.0 | 53 | 21.2 | 39.8 | 7.28 | 7.6 | 644 | 0 | 22 | 78 | 0 | 0 | 0 | 0 | 1.2 | 1 | 3 | 0.600 |
| 707 | 5 | F | 40.6 | 16.2 | 52 | 21.7 | 41.2 | 7.62 | 8.4 | 628 | 0 | 15 | 80 | 1 | 4 | 0 | 1 | 2.0 | 1 | 2 | 0.610 |
| 726 | 5 | F | 39.0 | 14.6 | 51 | 20.0 | 39.0 | 7.54 | 6.4 | 852 | 0 | 22 | 77 | 1 | 0 | 0 | 5 | 2.9 | 0 | 3 | 0.750 |
| 731 | 5 | F | 39.8 | 15.0 | 52 | 20.4 | 38.8 | 7.51 | 5.6 | 954 | 0 | 15 | 84 | 0 | 1 | 0 | 2 | 2.7 | 0 | 1 | 0.900 |
| 733 | 5 | F | 38.3 | 14.6 | 53 | 21.0 | 39.6 | 7.16 | 3.2 | 878 | 0 | 20 | 77 | 1 | 2 | 0 | 0 | 1.5 | 2 | 2 | 0.700 |
| 736 | 5 | F | 42.1 | 15.9 | 52 | 20.6 | 38.7 | 7.87 | 10.5 | 490 | 0 | 12 | 88 | 0 | 0 | 0 | 0 | 1.9 | 0 | 1 | 0.710 |

--- = NO AVAILABLE DATA

**Code for HowJol and Heinz Bodies**

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4+ positive RBCs per field

Table VI.4c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $um^3$ | MCH pg | MCHC g/dl | RBC $\times 10^6/mm^3$ | WBC $\times 10^3/mm^3$ | PLT $\times 10^3/mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 44.0 | 17.3 | 48 | 18.5 | 39.2 | 9.28 | 7.6 | 630 | 0 | 21 | 75 | 2 | 2 | 0 | 0 | --- | 0 | 0 | 0.000 |
| 32 | 1 | M | 48.7 | 16.9 | 55 | 18.7 | 34.2 | 8.91 | 7.0 | 517 | 0 | 22 | 71 | 4 | 3 | 0 | 0 | 2.1 | 0 | 0 | 0.240 |
| 40 | 1 | M | 46.2 | 17.2 | 51 | 18.7 | 37.0 | 9.10 | 6.6 | 566 | 0 | 35 | 65 | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 | 0.390 |
| 41 | 1 | M | 45.0 | 17.5 | 48 | 18.3 | 38.6 | 9.42 | 8.4 | 672 | 0 | 24 | 74 | 1 | 1 | 0 | 0 | 1.8 | 1 | 0 | 0.380 |
| 43 | 1 | M | 42.2 | 17.0 | 46 | 18.5 | 40.2 | 9.10 | 7.0 | 482 | 0 | 22 | 74 | 1 | 3 | 0 | 1 | 1.2 | 0 | 0 | 0.100 |
| 52 | 1 | M | 43.8 | 17.4 | 48 | 18.6 | 39.5 | 9.23 | 7.0 | 556 | 0 | 25 | 70 | 3 | 2 | 0 | 1 | 1.1 | 0 | 0 | 0.200 |
| 53 | 1 | M | 43.2 | 17.5 | 46 | 18.5 | 40.2 | 9.35 | 7.3 | 581 | 0 | 8 | 92 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0.140 |
| 55 | 1 | M | 44.6 | 17.3 | 48 | 18.4 | 38.6 | 9.33 | 7.8 | 624 | 0 | 13 | 82 | 2 | 3 | 0 | 2 | 1.9 | 0 | 0 | 0.100 |
| 63 | 1 | M | 44.7 | 17.2 | 50 | 19.0 | 38.3 | 8.96 | 7.7 | 578 | 0 | 19 | 79 | 0 | 2 | 0 | 0 | 1.6 | 0 | 0 | 0.000 |
| 73 | 1 | M | 42.7 | 17.2 | 46 | 18.3 | 39.9 | 9.24 | 8.2 | 444 | 0 | 19 | 79 | 0 | 2 | 0 | 0 | 2.0 | 0 | 0 | 0.240 |
| 93 | 1 | F | 42.0 | 17.4 | 52 | 21.0 | 41.2 | 8.18 | 4.2 | 530 | 0 | 16 | 82 | 1 | 1 | 0 | 1 | 2.1 | 0 | 0 | 0.520 |
| 96 | 1 | F | 43.0 | 17.0 | 52 | 20.2 | 39.2 | 8.29 | 5.2 | 538 | 0 | 12 | 84 | 2 | 2 | 0 | 2 | 2.1 | 0 | 0 | 0.140 |
| 101 | 1 | F | 42.2 | 17.8 | 52 | 21.4 | 41.8 | 8.22 | 4.8 | 507 | 0 | 16 | 82 | 0 | 2 | 0 | 2 | 1.8 | 2 | 0 | 0.000 |
| 83 | 1 | F | 41.6 | 16.5 | 51 | 20.0 | 39.6 | 8.17 | 5.5 | 398 | 0 | 17 | 83 | 0 | 0 | 0 | 1 | 0.9 | 0 | 0 | 0.240 |
| 126 | 1 | F | 40.8 | 16.8 | 52 | 21.0 | 40.9 | 7.86 | 4.4 | 382 | 0 | 15 | 84 | 0 | 1 | 0 | 0 | 1.9 | 0 | 0 | 0.190 |
| 127 | 1 | F | 40.8 | 16.5 | 50 | 20.0 | 40.1 | 8.11 | 5.0 | 646 | 0 | 8 | 92 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.050 |
| 131 | 1 | F | 42.2 | 16.5 | 56 | 21.6 | 38.7 | 7.49 | 4.4 | 640 | 0 | 31 | 66 | 1 | 2 | 0 | 1 | 1.7 | 0 | 0 | 0.290 |
| 135 | 1 | F | 42.4 | 16.6 | 53 | 20.5 | 39.2 | 8.01 | 5.1 | 436 | 0 | 10 | 83 | 3 | 4 | 0 | 2 | 0.8 | 0 | 0 | 0.490 |
| 144 | 1 | F | 41.1 | 16.2 | 52 | 20.4 | 39.1 | 7.81 | 6.4 | 548 | 0 | 29 | 71 | 0 | 0 | 0 | 2 | 2.1 | 0 | 0 | 0.440 |
| 146 | 1 | F | 41.5 | 16.6 | 52 | 20.6 | 39.8 | 7.93 | 4.7 | 531 | 0 | 17 | 82 | 1 | 0 | 0 | 2 | 1.6 | 0 | 0 | 0.190 |
| 160 | 2 | M | 44.4 | 17.9 | 46 | 18.4 | 40.0 | 9.55 | 7.4 | 484 | 0 | 21 | 73 | 5 | 1 | 0 | 0 | 0.8 | 0 | --- | 0.200 |
| 161 | 2 | M | 42.4 | 16.9 | 46 | 18.3 | 39.5 | 9.11 | 7.5 | 440 | 0 | 18 | 80 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0.290 |
| 170 | 2 | M | 42.4 | 17.0 | 46 | 18.2 | 39.9 | 9.22 | 9.5 | 590 | 0 | 18 | 82 | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 | 0.140 |
| 181 | 2 | M | 42.0 | 17.1 | 48 | 19.1 | 40.4 | 8.84 | 7.7 | 534 | 0 | 17 | 81 | 2 | 0 | 0 | 0 | 1.0 | 1 | 0 | 0.140 |
| 185 | 2 | M | 51.0 | 17.3 | 54 | 18.1 | 33.8 | 9.42 | 7.7 | 389 | 0 | 17 | 80 | 2 | 1 | 0 | 3 | 1.4 | 0 | 0 | 0.490 |
| 206 | 2 | M | 42.6 | 17.0 | 47 | 18.2 | 39.6 | 9.19 | 6.5 | 702 | 0 | 24 | 73 | 1 | 2 | 0 | 0 | 1.9 | 0 | 0 | 0.190 |
| 212 | 2 | M | 42.4 | 16.8 | 49 | 18.9 | 39.2 | 8.73 | 5.4 | 450 | 0 | 28 | 67 | 1 | 4 | 0 | 0 | 1.2 | 0 | 0 | 0.290 |
| 216 | 2 | M | 43.0 | 17.4 | 47 | 18.8 | 40.4 | 9.18 | 8.0 | 278 | 0 | 27 | 70 | 0 | 3 | 0 | 0 | 0.9 | 0 | 0 | 0.390 |
| 217 | 2 | M | 43.0 | 17.4 | 48 | 18.8 | 40.0 | 9.11 | 8.7 | 432 | 0 | 23 | 73 | 1 | 3 | 0 | 0 | 2.5 | 0 | 0 | 0.240 |
| 219 | 2 | M | 42.8 | 17.2 | 48 | 18.9 | 39.9 | 8.97 | 8.8 | 636 | 0 | 22 | 76 | 0 | 2 | 0 | 0 | 1.8 | 0 | 0 | 0.240 |
| 233 | 2 | F | 41.5 | 16.8 | 52 | 20.6 | 40.2 | 8.05 | 4.5 | 682 | 0 | 18 | 80 | 0 | 2 | 0 | 1 | 1.6 | 1 | 0 | 0.430 |
| 248 | 2 | F | 43.5 | 17.3 | 52 | 20.2 | 39.2 | 8.41 | 4.9 | 604 | 0 | 16 | 83 | 0 | 1 | 0 | 0 | 1.4 | 0 | 0 | 0.200 |
| 249 | 2 | F | 42.6 | 17.2 | 52 | 20.4 | 40.2 | 8.29 | 4.8 | 748 | 0 | 19 | 76 | 1 | 4 | 0 | 2 | 2.0 | 0 | 0 | 0.100 |
| 250 | 2 | F | 44.1 | 17.9 | 52 | 20.7 | 40.2 | 8.54 | 5.4 | 744 | 0 | 15 | 81 | 2 | 2 | 0 | 2 | 0.6 | 0 | 0 | 0.290 |
| 252 | 2 | F | 42.2 | 17.2 | 52 | 20.6 | 40.5 | 8.25 | 3.9 | 412 | 0 | 17 | 82 | 0 | 1 | 0 | 1 | 1.8 | 0 | 0 | 0.240 |
| 266 | 2 | F | 43.0 | 17.0 | 52 | 20.1 | 39.2 | 8.35 | 4.6 | 548 | 0 | 16 | 79 | 2 | 3 | 0 | 0 | 2.2 | 0 | 0 | 0.100 |
| 269 | 2 | F | 41.3 | 16.9 | 51 | 20.5 | 40.4 | 8.09 | 4.7 | 378 | 0 | 15 | 85 | 0 | 0 | 0 | 0 | 2.2 | 2 | 0 | 0.050 |
| 272 | 2 | F | 42.2 | 16.9 | 51 | 20.2 | 39.8 | 8.27 | 4.4 | 554 | 0 | 23 | 76 | 0 | 1 | 0 | 1 | 1.4 | 0 | 0 | 0.190 |
| 276 | 2 | F | 42.4 | 17.5 | 50 | 20.6 | 41.2 | 8.38 | --- | 466 | 0 | 10 | 87 | 2 | 1 | 0 | 2 | 1.2 | 0 | 0 | 0.000 |
| 284 | 2 | F | 41.9 | 17.2 | 52 | 20.6 | 40.8 | 8.19 | 4.9 | 490 | 0 | 16 | 83 | 1 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0.390 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies
0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
[illegible]

Table VI.4c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $um^3$ | MCH pg | MCHC g/dl | RBC $x10^6/mm^3$ | WBC $x10^3/mm^3$ | PLT $x10^3/mm^3$ | IMNEUT %WBC | MNEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 40.3 | 15.8 | 48 | 18.4 | 39.2 | 8.52 | --- | 1008 | 0 | 16 | 83 | 0 | 1 | 0 | 0 | 1.0 | 0 | 0 | 0.340 |
| 309 | 3 | M | 41.0 | 16.2 | 47 | 18.2 | 39.4 | 8.79 | 7.7 | 764 | 0 | 16 | 83 | 0 | 1 | 0 | 1 | 0.9 | 0 | 1 | 0.140 |
| 317 | 3 | M | 46.7 | 16.1 | 53 | 18.0 | 34.2 | 8.85 | 6.4 | 549 | 0 | 16 | 83 | 1 | 0 | 0 | 1 | 1.2 | 1 | 0 | 0.440 |
| 337 | 3 | M | 43.0 | 17.1 | 46 | 18.0 | 39.5 | 9.39 | 7.8 | 854 | 0 | 19 | 79 | 2 | 0 | 0 | 0 | 1.3 | 2 | 0 | 0.240 |
| 343 | 3 | M | 44.0 | 17.4 | 48 | 18.4 | 39.2 | 9.31 | 7.0 | 498 | 0 | 24 | 73 | 0 | 3 | 0 | 1 | 1.5 | 1 | 0 | 0.290 |
| 345 | 3 | M | 45.2 | 17.0 | 52 | 19.0 | 37.3 | 8.83 | 7.8 | 650 | 0 | 11 | 84 | 3 | 2 | 0 | 0 | 2.3 | 0 | 1 | 0.440 |
| 351 | 3 | M | 40.6 | 17.0 | 46 | 18.8 | 41.6 | 8.93 | 10.5 | 560 | 0 | 26 | 72 | 1 | 2 | 0 | 0 | 1.3 | 0 | 0 | 0.570 |
| 363 | 3 | M | 44.2 | 17.3 | 46 | 17.8 | 38.9 | 9.69 | 8.7 | 880 | 0 | 37 | 61 | 0 | 2 | 0 | 0 | 2.0 | 1 | 0 | 0.240 |
| 365 | 3 | M | 42.4 | 16.8 | 47 | 18.4 | 39.3 | 9.01 | 7.7 | 622 | 0 | 19 | 77 | 1 | 3 | 0 | 0 | 0.7 | 1 | 0 | 0.190 |
| 372 | 3 | M | 40.7 | 16.5 | 46 | 18.6 | 40.5 | 8.77 | 7.2 | 422 | 0 | 20 | 78 | 0 | 2 | 0 | 0 | 1.5 | 0 | 1 | 0.330 |
| 376 | 3 | F | 47.8 | 17.1 | 58 | 20.2 | 35.2 | 8.34 | 5.8 | 790 | 0 | 13 | 83 | 0 | 4 | 0 | 1 | 0.8 | 0 | 0 | 0.440 |
| 384 | 3 | F | 41.9 | 17.1 | 51 | 20.4 | 40.5 | 8.23 | 6.2 | 378 | 0 | 40 | 58 | 0 | 2 | 0 | 0 | 1.4 | 0 | 0 | 0.330 |
| 398 | 3 | F | 46.6 | 17.4 | 54 | 20.1 | 37.2 | 8.58 | 4.6 | 682 | 0 | 15 | 83 | 1 | 1 | 0 | 1 | 0.9 | 0 | 0 | 0.590 |
| 399 | 3 | F | 42.0 | 17.6 | 52 | 21.4 | 41.8 | 8.11 | 4.5 | 818 | 0 | 16 | 82 | 0 | 2 | 0 | 0 | 1.2 | 0 | 0 | 0.000 |
| 411 | 3 | F | 44.0 | 17.2 | 52 | 20.0 | 38.8 | 8.48 | 8.4 | 577 | 0 | 41 | 56 | 1 | 2 | 0 | 0 | 0.7 | 0 | 0 | 0.190 |
| 421 | 3 | F | 41.6 | 16.4 | 53 | 20.5 | 39.2 | 7.88 | 4.2 | 438 | 0 | 14 | 85 | 0 | 1 | 0 | 0 | 0.8 | 1 | 0 | 0.240 |
| 430 | 3 | F | 39.9 | 16.6 | 52 | 21.2 | 41.3 | 7.68 | 4.6 | 706 | 0 | 21 | 77 | 0 | 2 | 0 | 1 | 1.0 | 0 | 0 | 0.140 |
| 436 | 3 | F | 43.5 | 17.3 | 51 | 20.1 | 39.6 | 8.48 | 5.5 | 830 | 0 | 13 | 84 | 1 | 2 | 0 | 4 | 1.0 | 0 | 0 | 0.150 |
| 440 | 3 | F | 46.7 | 19.1 | 51 | 20.6 | 40.6 | 9.13 | 6.8 | 671 | 0 | 24 | 74 | 0 | 2 | 0 | 0 | 0.5 | 1 | 0 | 0.190 |
| 447 | 3 | F | 41.6 | 16.6 | 52 | 20.6 | 39.6 | 7.92 | 4.0 | 804 | 0 | 19 | 78 | 1 | 2 | 0 | 0 | 1.0 | 0 | 0 | 0.430 |
| 460 | 4 | M | 42.0 | 16.8 | 47 | 18.6 | 39.8 | 8.96 | 6.6 | 613 | 0 | 24 | 75 | 0 | 1 | 0 | 0 | 0.7 | 0 | 0 | 0.680 |
| 465 | 4 | M | 42.4 | 16.4 | 46 | 17.8 | 38.5 | 9.10 | 8.3 | 522 | 0 | 11 | 89 | 0 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0.190 |
| 469 | 4 | M | 44.4 | 17.3 | 50 | 19.4 | 38.8 | 8.85 | 7.0 | 946 | 0 | 27 | 68 | 3 | 2 | 0 | 2 | --- | 0 | --- | 0.540 |
| 471 | 4 | M | 42.6 | 17.1 | 47 | 18.6 | 39.9 | 9.05 | 7.8 | 512 | 0 | 28 | 66 | 6 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0.190 |
| 479 | 4 | M | 41.5 | 16.4 | 47 | 18.6 | 39.5 | 8.77 | 7.2 | 742 | 0 | 26 | 70 | 3 | 1 | 0 | 0 | 0.5 | 0 | 0 | 0.290 |
| 481 | 4 | M | 41.7 | 15.8 | 47 | 17.6 | 37.4 | 8.83 | 9.0 | 600 | 0 | 28 | 64 | 7 | 1 | 0 | 0 | 1.2 | 0 | 1 | 0.290 |
| 502 | 4 | M | 41.7 | 16.9 | 47 | 18.6 | 40.3 | 8.96 | 7.7 | 600 | 0 | 19 | 80 | 1 | 0 | 0 | 0 | 1.5 | 1 | 0 | 0.430 |
| 505 | 4 | M | 41.2 | 16.9 | 46 | 18.6 | 40.6 | 8.97 | 8.0 | 668 | 0 | 20 | 78 | 0 | 2 | 0 | 0 | 2.1 | 1 | 1 | 0.570 |
| 519 | 4 | M | 42.5 | 16.6 | 45 | 17.2 | 39.0 | 9.58 | 9.0 | 744 | 0 | 15 | 81 | 4 | 0 | 0 | 6 | 2.7 | 2 | 0 | 0.480 |
| 521 | 4 | M | 42.0 | 16.9 | 46 | 18.4 | 39.9 | 9.06 | 7.5 | 572 | 0 | 20 | 77 | 0 | 3 | 0 | 0 | 2.2 | 0 | 0 | 0.290 |
| 540 | 4 | F | 42.9 | 16.9 | 52 | 20.0 | 39.2 | 8.32 | 5.0 | 387 | 0 | 31 | 68 | 0 | 1 | 0 | 0 | 2.5 | 0 | 0 | 0.290 |
| 550 | 4 | F | 42.0 | 16.6 | 52 | 20.4 | 39.6 | 8.10 | 4.4 | 566 | 0 | 10 | 87 | 0 | 3 | 0 | 0 | 1.3 | 0 | 0 | 0.050 |
| 556 | 4 | F | 41.6 | 16.1 | 54 | 20.8 | 38.6 | 7.69 | 3.6 | 780 | 0 | 18 | 81 | 1 | 0 | 0 | 0 | 0.7 | 1 | 0 | 0.340 |
| 569 | 4 | F | 41.3 | 16.6 | 50 | 20.0 | 40.1 | 8.27 | 5.4 | 558 | 0 | 16 | 82 | 0 | 2 | 0 | 1 | 1.4 | 1 | 0 | 0.440 |
| 574 | 4 | F | 42.1 | 17.0 | 52 | 20.4 | 40.2 | 8.19 | 5.0 | 386 | 0 | 16 | 81 | 0 | 3 | 0 | 0 | 1.3 | 0 | 0 | 0.240 |
| 578 | 4 | F | 41.7 | 16.9 | 50 | 20.0 | 40.4 | 8.37 | 3.9 | 388 | 0 | 20 | 80 | 0 | 0 | 0 | 1 | 1.3 | 2 | 0 | 0.380 |
| 581 | 4 | F | 45.0 | 17.0 | 54 | 20.0 | 37.4 | 8.36 | 6.6 | 70 | 0 | 11 | 88 | 1 | 0 | 0 | 0 | 1.8 | 2 | 0 | 0.340 |
| 586 | 4 | F | 44.8 | 17.8 | 52 | 20.1 | 39.4 | 8.70 | 5.9 | 498 | 0 | 20 | 76 | 2 | 2 | 0 | 0 | 2.2 | 2 | 0 | 0.140 |
| 587 | 4 | F | 44.5 | 18.3 | 52 | 21.0 | 41.0 | 8.59 | 4.6 | 528 | 0 | 21 | 78 | 0 | 1 | 0 | 0 | 2.3 | 2 | 0 | 0.140 |
| 593 | 4 | F | 42.6 | 16.3 | 51 | 19.4 | 38.4 | 8.35 | 4.5 | 568 | 0 | 23 | 76 | 1 | 0 | 0 | 0 | 1.4 | 0 | 0 | 0.760 |

--- = NO AVAILABLE DATA

**Code for HowJol and Heinz Bodies**

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 + positive RBCs per field

Table VI.4c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 52

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $um^3$ | MCH pg | MCHC g/dl | RBC x $10^6$ / $mm^3$ | WBC x $10^3$ / $mm^3$ | PLT x $10^3$ / $mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 38.9 | 15.8 | 48 | 19.2 | 40.6 | 8.14 | 7.3 | 571 | 0 | 22 | 76 | 0 | 2 | 0 | 0 | 2.2 | 1 | 0 | 0.190 |
| 613 | 5 | M | 40.4 | 15.6 | 47 | 17.8 | 38.6 | 8.68 | --- | 442 | 0 | 20 | 78 | 1 | 1 | 0 | 1 | 3.6 | 2 | 0 | 0.480 |
| 633 | 5 | M | 40.1 | 15.3 | 46 | 17.2 | 37.6 | 8.75 | 10.8 | 1222 | 0 | 15 | 84 | 0 | 1 | 0 | 2 | 1.1 | 0 | 0 | 1.020 |
| 642 | 5 | M | 42.4 | 16.6 | 46 | 17.8 | 38.8 | 9.23 | 9.7 | 1020 | 0 | 8 | 91 | 0 | 1 | 0 | 0 | 2.1 | 2 | 1 | 0.330 |
| 644 | 5 | M | 39.7 | 15.2 | 47 | 17.8 | 38.2 | 8.42 | 9.2 | 662 | 0 | 11 | 88 | 0 | 1 | 0 | 2 | 2.7 | 0 | 0 | 0.330 |
| 650 | 5 | M | 44.6 | 15.2 | --- | 17.7 | --- | 8.52 | 8.7 | 522 | 0 | 16 | 83 | 1 | 0 | 0 | 1 | 3.1 | 0 | --- | 0.440 |
| 661 | 5 | M | 39.7 | 15.2 | 46 | 17.4 | 38.0 | 8.60 | 7.6 | 890 | 0 | 27 | 69 | 2 | 2 | 0 | 2 | 2.9 | 1 | 2 | 1.270 |
| 665 | 5 | M | 37.5 | 15.0 | 47 | 18.6 | 39.9 | 7.98 | 9.6 | 600 | 0 | 14 | 83 | 3 | 0 | 0 | 0 | 3.8 | 0 | 1 | 0.430 |
| 667 | 5 | M | 39.9 | 15.3 | 47 | 17.8 | 38.2 | 8.53 | 8.8 | 726 | 0 | 25 | 75 | 0 | 0 | 0 | 0 | 2.0 | 2 | 0 | 0.570 |
| 670 | 5 | M | 38.9 | 15.4 | 46 | 18.0 | 39.6 | 8.50 | 8.2 | 877 | 0 | 16 | 83 | 1 | 0 | 0 | 2 | 3.4 | 1 | 1 | 0.520 |
| 683 | 5 | F | 41.5 | 16.1 | 52 | 20.0 | 38.6 | 7.92 | --- | 935 | 0 | 27 | 73 | 0 | 0 | 0 | 0 | 3.0 | 2 | 1 | 0.380 |
| 686 | 5 | F | 38.8 | 15.5 | 52 | 20.3 | 39.7 | 7.51 | 4.1 | 626 | 0 | 20 | 79 | 0 | 1 | 0 | 0 | 1.4 | 0 | 0 | 0.240 |
| 693 | 5 | F | 39.2 | 15.6 | 52 | 20.3 | 39.7 | 7.59 | 6.7 | 856 | 0 | 11 | 87 | 1 | 1 | 0 | 1 | 3.1 | 1 | 1 | 0.240 |
| 701 | 5 | F | 38.3 | 14.8 | 52 | 19.8 | 38.4 | 7.38 | 4.8 | 529 | 0 | 14 | 85 | 1 | 0 | 0 | 3 | 2.9 | 2 | 1 | 0.340 |
| 703 | 5 | F | 38.8 | 14.2 | 54 | 19.9 | 36.4 | 7.06 | 5.2 | 686 | 0 | 30 | 68 | 1 | 1 | 0 | 5 | 2.3 | 2 | 2 | 0.290 |
| 707 | 5 | F | 36.3 | 14.9 | 51 | 20.8 | 40.6 | 7.04 | 5.9 | 475 | 0 | 20 | 78 | 0 | 2 | 0 | 0 | 2.2 | 1 | 1 | 0.330 |
| 726 | 5 | F | 41.1 | 15.8 | 53 | 20.0 | 38.0 | 7.77 | 5.8 | 903 | 0 | 14 | 86 | 0 | 0 | 0 | 0 | 3.1 | 2 | 2 | 0.440 |
| 731 | 5 | F | 39.6 | 15.2 | 51 | 19.6 | 38.4 | 7.70 | 5.0 | 746 | 0 | 14 | 86 | 0 | 0 | 0 | 1 | 2.9 | 0 | 1 | 0.190 |
| 733 | 5 | F | 37.5 | 14.4 | 52 | 20.2 | 38.4 | 7.08 | 3.8 | 1106 | 0 | 25 | 74 | 1 | 0 | 0 | 0 | 1.5 | 1 | 1 | 0.880 |
| 736 | 5 | F | 41.4 | 15.4 | 52 | 19.4 | 37.0 | 7.84 | --- | 870 | 0 | 22 | 72 | 1 | 5 | 0 | 0 | 2.5 | 1 | 0 | 0.520 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4+ positive RBCs per field

Table VI.4d

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT

INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $u m^3$ | MCH pg | MCHC g/dl | RBC $\times 10^6/mm^3$ | WBC $\times 10^3/mm^3$ | PLT $\times 10^3/mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 51.4 | 19.1 | 50 | 19.3 | 37.8 | 10.01 | 9.2 | 612 | 0 | 66 | 30 | 3 | 1 | 0 | 1 | 0.9 | 0 | 0 | 0.100 |
| 32 | 1 | M | 34.9 | 12.3 | 64 | 24.2 | 36.6 | 5.18 | 9.4 | 288 | 0 | 36 | 62 | 1 | 1 | 0 | 42 | 1.0 | 1 | 0 | 0.270 |
| 40 | 1 | M | 45.3 | 17.4 | 46 | 18.4 | 39.0 | 9.51 | 8.0 | 604 | 0 | 29 | 69 | 1 | 1 | 0 | 1 | 1.5 | 0 | 0 | 0.270 |
| 41 | 1 | M | 42.7 | 16.3 | 46 | 18.4 | 39.2 | 8.95 | 7.5 | 595 | 0 | 11 | 88 | 1 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0.110 |
| 43 | 1 | M | 44.7 | 16.8 | 50 | 19.4 | 38.4 | 8.77 | 6.9 | 532 | 0 | 19 | 75 | 3 | 3 | 0 | 0 | 1.7 | 0 | 0 | 0.100 |
| 52 | 1 | M | 45.8 | 16.9 | 51 | 19.5 | 37.6 | 8.78 | 5.5 | 557 | 0 | 29 | 64 | 4 | 3 | 0 | 1 | 0.5 | 0 | 0 | 0.000 |
| 53 | 1 | M | 42.0 | 16.4 | 50 | 20.4 | 39.9 | 8.12 | 6.3 | 658 | 0 | 35 | 61 | 1 | 3 | 0 | 1 | 1.6 | 0 | 0 | 0.260 |
| 55 | 1 | M | 47.6 | 17.4 | 50 | 18.9 | 37.2 | 9.32 | 5.4 | 538 | 0 | 36 | 61 | 1 | 2 | 0 | 3 | 1.5 | 0 | 0 | 0.160 |
| 63 | 1 | M | 42.1 | 16.4 | 52 | 21.4 | 39.8 | 7.72 | 5.6 | 550 | 0 | 25 | 73 | 2 | 0 | 0 | 2 | 0.2 | 0 | 0 | 0.000 |
| 73 | 1 | M | 41.1 | 15.8 | 48 | 19.3 | 39.3 | 8.25 | 7.8 | 706 | 0 | 26 | 70 | 3 | 1 | 0 | 0 | 0.5 | 0 | 0 | 0.000 |
| 83 | 1 | F | 44.2 | 17.0 | 54 | 21.4 | 39.3 | 8.02 | 5.1 | 549 | 0 | 24 | 72 | 3 | 1 | 0 | 0 | 1.0 | 0 | 0 | 0.210 |
| 93 | 1 | F | 45.7 | 18.2 | 52 | 21.8 | 40.8 | 8.45 | 4.4 | 488 | 0 | 20 | 78 | 0 | 2 | 0 | 0 | 0.8 | 0 | 0 | 0.270 |
| 96 | 1 | F | 44.7 | 16.4 | 55 | 21.1 | 37.7 | 7.87 | 5.2 | 888 | 0 | 13 | 87 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0.100 |
| 104 | 1 | F | 41.6 | 16.6 | 54 | 22.1 | 40.9 | 7.58 | 5.4 | 518 | 0 | 32 | 68 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0.430 |
| 126 | 1 | F | 44.5 | 17.4 | 54 | 21.6 | 40.0 | 8.15 | 3.4 | 476 | 0 | 21 | 74 | 2 | 3 | 0 | 2 | 0.4 | 1 | 0 | 0.430 |
| 127 | 1 | F | 44.5 | 17.0 | 52 | 20.9 | 39.2 | 8.22 | 3.7 | 589 | 0 | 37 | 57 | 2 | 4 | 0 | 1 | 0.7 | 1 | 0 | 0.210 |
| 131 | 1 | F | 44.6 | 16.5 | 57 | 22.0 | 38.0 | 7.59 | 3.5 | 531 | 0 | 33 | 64 | 2 | 1 | 0 | 3 | 1.5 | 0 | 0 | 0.650 |
| 135 | 1 | F | 45.0 | 17.0 | 55 | 21.4 | 38.6 | 8.01 | 3.9 | 810 | 0 | 36 | 62 | 1 | 1 | 0 | 0 | 1.2 | 1 | 0 | 0.220 |
| 144 | 1 | F | 44.0 | 16.8 | 54 | 21.2 | 38.8 | 7.96 | 5.5 | 805 | 0 | 18 | 79 | 0 | 3 | 0 | 0 | 0.7 | 0 | 0 | 0.320 |
| 146 | 1 | F | 42.5 | 16.3 | 54 | 21.8 | 39.4 | 7.58 | 4.6 | 762 | 0 | 36 | 64 | 0 | 0 | 0 | 5 | 1.5 | 0 | 0 | 0.100 |
| 160 | 2 | M | 47.8 | 17.8 | 51 | 19.5 | 38.0 | 9.26 | 6.5 | 456 | 0 | 20 | 77 | 2 | 1 | 0 | 2 | 1.8 | 0 | 0 | 0.220 |
| 161 | 2 | M | 43.8 | 16.5 | 51 | 19.8 | 38.6 | 8.46 | 6.7 | 583 | 0 | 29 | 67 | 2 | 2 | 0 | 0 | 2.2 | 0 | 0 | 0.220 |
| 170 | 2 | M | 53.3 | 20.7 | 48 | 19.0 | 39.4 | 10.95 | 5.7 | 498 | 0 | 28 | 67 | 4 | 1 | 0 | 0 | 0.3 | 1 | 0 | 0.000 |
| 181 | 2 | M | 42.5 | 16.9 | 51 | 21.0 | 40.7 | 8.09 | 6.4 | 810 | 0 | 30 | 68 | 1 | 1 | 0 | 1 | 0.6 | 0 | 0 | 0.110 |
| 185 | 2 | M | 46.9 | 17.3 | 48 | 18.1 | 37.4 | 9.61 | 6.9 | 673 | 0 | 40 | 56 | 2 | 2 | 0 | 1 | 0.4 | 0 | 0 | 0.000 |
| 206 | 2 | M | 35.6 | 12.8 | 50 | 19.0 | 37.2 | 6.81 | 5.8 | 742 | 0 | 55 | 45 | 0 | 0 | 0 | 35 | 4.1 | 1 | 0 | 0.000 |
| 212 | 2 | M | 43.6 | 16.9 | 50 | 20.1 | 39.6 | 8.45 | --- | 606 | 0 | 31 | 67 | 1 | 1 | 0 | 2 | 1.0 | 0 | 0 | 0.000 |
| 216 | 2 | M | 43.0 | 16.2 | 47 | 18.4 | 38.6 | 8.95 | 7.7 | 819 | 0 | 25 | 72 | 3 | 0 | 0 | 0 | 0.6 | 0 | 1 | 0.320 |
| 217 | 2 | M | 41.4 | 15.3 | 49 | 18.8 | 37.9 | 8.25 | 7.7 | 790 | 0 | 41 | 51 | 5 | 3 | 0 | 0 | 2.0 | 0 | 0 | 0.380 |
| 219 | 2 | M | 40.8 | 16.1 | 48 | 19.8 | 40.5 | 8.21 | 6.9 | 977 | 0 | 39 | 56 | 2 | 3 | 0 | 0 | 0.4 | 0 | 0 | 0.220 |
| 233 | 2 | F | 44.8 | 16.8 | 54 | 20.8 | 38.0 | 8.09 | 5.7 | 452 | 0 | 28 | 70 | 1 | 1 | 0 | 1 | 1.0 | 0 | 0 | 0.540 |
| 248 | 2 | F | 44.1 | 16.4 | 54 | 21.0 | 38.1 | 7.88 | 4.0 | 350 | 0 | 18 | 81 | 0 | 1 | 0 | 3 | 2.1 | 0 | 1 | 0.270 |
| 249 | 2 | F | 45.3 | 17.4 | 54 | 21.7 | 39.4 | 8.11 | 3.7 | 464 | 0 | 15 | 84 | 1 | 0 | 0 | 0 | 2.2 | 0 | 0 | 0.050 |
| 250 | 2 | F | 45.3 | 17.5 | 55 | 21.9 | 39.6 | 8.07 | 4.4 | 597 | 0 | 12 | 85 | 0 | 3 | 0 | 3 | 1.2 | 0 | 0 | 0.370 |
| 252 | 2 | F | 42.6 | 16.8 | 54 | 22.2 | 40.4 | 7.61 | 3.2 | 650 | 0 | 25 | 72 | 0 | 3 | 0 | 0 | 1.3 | 1 | 0 | 0.320 |
| 265 | 2 | F | 43.5 | 16.4 | 54 | 21.2 | 38.8 | 7.84 | 4.8 | 518 | 0 | 20 | 80 | 0 | 0 | 0 | 3 | 1.1 | 0 | 0 | 0.050 |
| 269 | 2 | F | 42.1 | 16.[illegible] | 52 | 20.9 | 39.3 | 7.80 | 4.6 | 722 | 0 | 30 | 70 | 0 | 0 | 0 | 3 | 0.4 | 0 | 0 | 0.480 |
| 272 | 2 | F | 44.4 | 16.6 | 54 | 21.0 | 38.4 | 7.99 | 4.1 | 122 | 0 | 27 | 68 | 2 | 3 | 0 | 1 | 0.8 | 0 | 0 | 0.210 |
| 276 | 2 | F | 45.4 | 17.4 | 54 | 21.6 | 39.2 | 8.14 | 4.9 | 680 | 0 | 19 | 76 | 0 | 5 | 0 | 4 | 0.4 | 0 | 0 | 0.320 |
| 284 | 2 | F | 46.0 | 17.4 | 55 | 21.6 | 38.8 | 8.18 | 5.2 | 615 | 0 | 17 | 78 | 4 | 1 | 0 | 0 | 1.6 | 0 | 0 | 0.220 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = [illegible] positive RBCs per field

# Table VI.4d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV um3 | MCH pg | MCHC g/dl | RBC x 10^6/mm3 | WBC x 10^3/mm3 | PLT x 10^3/mm3 | I M NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC/100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 46.2 | 17.5 | 50 | 19.6 | 38.8 | 9.07 | 7.0 | 660 | 0 | 23 | 71 | 5 | 1 | 0 | 0 | 1.6 | 0 | 0 | 0.160 |
| 309 | 3 | M | 43.4 | 16.2 | 51 | 19.8 | 38.2 | 8.25 | 7.6 | 839 | 0 | 14 | 85 | 1 | 0 | 0 | 4 | 1.4 | 0 | 0 | 0.000 |
| 317 | 3 | M | 44.4 | 16.5 | 50 | 19.0 | 38.0 | 8.74 | 6.3 | 568 | 0 | 44 | 55 | 0 | 1 | 0 | 2 | 0.2 | 1 | 0 | 0.220 |
| 326 | 3 | M | 46.4 | 17.4 | 52 | 20.0 | 38.4 | 8.77 | 7.4 | 806 | 0 | 13 | 83 | 1 | 3 | 0 | 1 | 1.5 | 0 | 0 | 0.100 |
| 343 | 3 | M | 41.0 | 15.2 | 52 | 20.0 | 38.2 | 7.71 | 7.6 | 528 | 0 | 16 | 76 | 6 | 2 | 0 | 3 | 1.5 | 1 | 0 | 0.380 |
| 345 | 3 | M | 45.7 | 17.1 | 51 | 19.7 | 38.1 | 8.74 | 9.2 | 764 | 0 | 25 | 74 | 0 | 1 | 0 | 1 | 0.3 | 0 | 0 | 0.320 |
| 351 | 3 | M | 18.1 | 6.3 | 99 | 39.2 | 36.4 | 1.71 | 18.4 | 48 | 0 | 19 | 77 | 4 | 0 | 0 | 14 | --- | 2 | 0 | 1.190 |
| 363 | 3 | M | 40.4 | 14.9 | 52 | 20.0 | 37.6 | 7.49 | 6.8 | 727 | 0 | 17 | 77 | 5 | 1 | 0 | 1 | 0.3 | 0 | 0 | 0.220 |
| 365 | 3 | M | 44.1 | 17.3 | 52 | 21.1 | 40.4 | 8.31 | 6.5 | 666 | 0 | 29 | 66 | 2 | 3 | 0 | 1 | 1.5 | 0 | 0 | 0.160 |
| 372 | 3 | M | 40.2 | 16.0 | 52 | 21.4 | 40.8 | 7.54 | 6.6 | 834 | 0 | 40 | 58 | 1 | 1 | 0 | 1 | 1.1 | 0 | 0 | 0.480 |
| 376 | 3 | F | 45.9 | 17.2 | 53 | 20.7 | 38.4 | 8.44 | 4.2 | 520 | 0 | 14 | 85 | 1 | 0 | 0 | 3 | 0.8 | 0 | 0 | 0.270 |
| 384 | 3 | F | 29.5 | 10.8 | 70 | 27.6 | 38.0 | 3.98 | 5.4 | 633 | 0 | 20 | 78 | 1 | 1 | 0 | 23 | --- | 2 | 1 | 0.320 |
| 398 | 3 | F | 44.5 | 17.2 | 55 | 21.9 | 39.6 | 7.92 | 5.4 | 656 | 0 | 31 | 69 | 0 | 0 | 0 | 2 | 1.5 | 0 | 0 | 0.160 |
| 399 | 3 | F | 45.3 | 17.3 | 55 | 21.7 | 39.0 | 8.04 | 6.5 | 638 | 0 | 26 | 71 | 2 | 1 | 0 | 0 | 0.5 | 0 | 0 | 0.700 |
| 411 | 3 | F | 39.4 | 14.9 | 60 | 23.8 | 38.7 | 6.28 | 7.3 | 786 | 0 | 48 | 47 | 4 | 1 | 0 | 1 | 0.7 | 0 | 0 | 0.100 |
| 421 | 3 | F | 46.3 | 17.5 | 52 | 20.2 | 38.6 | 8.73 | 4.5 | 836 | 0 | 11 | 88 | 1 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0.000 |
| 430 | 3 | F | 43.7 | 16.8 | 53 | 21.3 | 39.4 | 7.96 | 4.4 | 504 | 0 | 28 | 69 | 0 | 3 | 0 | 2 | 1.2 | 1 | 0 | 0.160 |
| 436 | 3 | F | 46.8 | 17.8 | 55 | 21.6 | 38.8 | 8.34 | 4.2 | 652 | 0 | 25 | 72 | 2 | 1 | 0 | 2 | 1.0 | 1 | 0 | 0.270 |
| 440 | 3 | F | 45.2 | 16.9 | 53 | 20.6 | 38.2 | 8.27 | 4.7 | 600 | 0 | 26 | 71 | 1 | 2 | 0 | 2 | 0.7 | 0 | 0 | 0.050 |
| 447 | 3 | F | 44.5 | 17.1 | 55 | 22.0 | 39.6 | 7.88 | 4.4 | 674 | 0 | 27 | 71 | 1 | 1 | 0 | 0 | 0.5 | 0 | 0 | 0.480 |
| 465 | 4 | M | 42.6 | 16.2 | 51 | 20.0 | 38.8 | 8.15 | 6.0 | 886 | 0 | 17 | 80 | 1 | 2 | 0 | 2 | 1.6 | 0 | 0 | 0.210 |
| 469 | 4 | M | 43.9 | 16.5 | 54 | 20.8 | 38.4 | 8.00 | 9.0 | 676 | 0 | 23 | 75 | 1 | 1 | 0 | 1 | 1.7 | 0 | 0 | 0.270 |
| 471 | 4 | M | 42.6 | 15.8 | 52 | 20.0 | 38.0 | 7.98 | 6.7 | 664 | 0 | 26 | 71 | 2 | 1 | 0 | 1 | 1.5 | 1 | 0 | 0.260 |
| 479 | 4 | M | 35.5 | 12.6 | 54 | 20.4 | 36.6 | 6.30 | 6.3 | 584 | 0 | 19 | 81 | 0 | 0 | 0 | 4 | 2.0 | 0 | 0 | 0.100 |
| 481 | 4 | M | 40.4 | 15.0 | 50 | 19.2 | 37.8 | 7.87 | 11.6 | 693 | 0 | 48 | 45 | 5 | 2 | 0 | 1 | 0.9 | 0 | 0 | 0.220 |
| 502 | 4 | M | 41.2 | 15.8 | 45 | 18.1 | 39.4 | 8.84 | 8.6 | 498 | 0 | 36 | 64 | 0 | 0 | 0 | 1 | 1.6 | 0 | 0 | 0.480 |
| 505 | 4 | M | 40.6 | 15.4 | 50 | 19.7 | 39.0 | 7.88 | 6.9 | 834 | 0 | 21 | 68 | 10 | 1 | 0 | 0 | 1.0 | 1 | 0 | 0.430 |
| 519 | 4 | M | 41.6 | 15.2 | 50 | 18.6 | 37.3 | 8.22 | 6.3 | 668 | 0 | 23 | 76 | 1 | 0 | 0 | 34 | 2.8 | 1 | 0 | 0.320 |
| 521 | 4 | M | 44.2 | 16.6 | 49 | 19.0 | 38.4 | 8.88 | 6.8 | 816 | 0 | 12 | 79 | 5 | 4 | 0 | 1 | 1.4 | 0 | 0 | 0.160 |
| 540 | 4 | F | 43.5 | 16.4 | 53 | 20.9 | 38.6 | 7.91 | 4.9 | 841 | 0 | 27 | 70 | 3 | 0 | 0 | 5 | 2.9 | 0 | 0 | 0.590 |
| 550 | 4 | F | 44.8 | 16.6 | 53 | 20.6 | 38.2 | 8.18 | 3.8 | 568 | 0 | 24 | 72 | 1 | 3 | 0 | 1 | 1.0 | 0 | 0 | 0.260 |
| 556 | 4 | F | 45.7 | 17.0 | 54 | 20.8 | 38.1 | 8.24 | 5.7 | 650 | 0 | 33 | 63 | 1 | 3 | 0 | 1 | 2.7 | 0 | 0 | 0.160 |
| 569 | 4 | F | 44.5 | 16.9 | 54 | 21.1 | 38.8 | 8.11 | 5.0 | 810 | 0 | 21 | 75 | 2 | 2 | 0 | 5 | 0.8 | 0 | 0 | 0.320 |
| 574 | 4 | F | 41.0 | 16.2 | 52 | 21.4 | 40.4 | 7.62 | 3.6 | 559 | 0 | 31 | 68 | 1 | 0 | 0 | 0 | 0.4 | 1 | 1 | 0.380 |
| 578 | 4 | F | 43.7 | 16.5 | 53 | 21.0 | 38.8 | 8.00 | 7.3 | 510 | 0 | 36 | 62 | 1 | 1 | 0 | 4 | 1.1 | 0 | 0 | 0.380 |
| 581 | 4 | F | 44.5 | 16.8 | 54 | 21.0 | 38.4 | 8.01 | 4.7 | 644 | 0 | 19 | 76 | 5 | 0 | 0 | 0 | 0.7 | 0 | 1 | 0.320 |
| 586 | 4 | F | 43.8 | 16.2 | 54 | 21.0 | 38.0 | 7.84 | 4.0 | 791 | 0 | 14 | 85 | 1 | 0 | 0 | 10 | 2.3 | 1 | 1 | 0.050 |
| 587 | 4 | F | 41.8 | 16.0 | 55 | 22.0 | 39.4 | 7.34 | 4.9 | 565 | 0 | 20 | 77 | 1 | 2 | 0 | 0 | 0.6 | 1 | 1 | 0.320 |
| 593 | 4 | F | 45.5 | 17.1 | 52 | 20.2 | 38.4 | 8.55 | 4.4 | 718 | 0 | 8 | 90 | 1 | 1 | 0 | 3 | 1.1 | 1 | 0 | 0.210 |
| 601 | 5 | M | 41.2 | 15.8 | 49 | 19.4 | 39.2 | 8.10 | 6.9 | 882 | 0 | 32 | 64 | 1 | 3 | 0 | 1 | 1.9 | 1 | 1 | 0.590 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

Table VI4.d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV um3 | MCH pg | MCHC g/dl | RBC x 10^6 / mm3 | WBC x 10^3 / mm3 | PLT x 10^3 / mm3 | IMNEUT % WBC | MNEUT % WBC | LYM % WBC | MON % WBC | EOS % WBC | BASO % WBC | NRBC / 100 WBC | RETIC % RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 613 | 5 | M | 38.3 | 14.6 | 50 | 19.6 | 39.3 | 7.52 | 8.6 | 1030 | 0 | 14 | 86 | 0 | 0 | 0 | 0 | 1.3 | 1 | 2 | 0.920 |
| 629 | 5 | M | 44.2 | 16.1 | 49 | 18.4 | 37.0 | 8.77 | 6.9 | 746 | 0 | 45 | 50 | 1 | 4 | 0 | 0 | 2.3 | 1 | 2 | 0.490 |
| 642 | 5 | M | 43.2 | 15.2 | 50 | 18.2 | 36.2 | 8.49 | 9.2 | 737 | 0 | 38 | 58 | 2 | 2 | 0 | 5 | 3.5 | 0 | 1 | 0.420 |
| 644 | 5 | M | 40.3 | 14.5 | 50 | 18.6 | 37.1 | 7.89 | 7.7 | 838 | 0 | 43 | 55 | 1 | 1 | 0 | 4 | 0.9 | 1 | 2 | 0.320 |
| 650 | 5 | M | 41.9 | 15.2 | 51 | 19.2 | 37.0 | 8.00 | 6.5 | 902 | 0 | 39 | 61 | 0 | 0 | 0 | 4 | 0.3 | 1 | 3 | 0.380 |
| 661 | 5 | M | 41.6 | 15.0 | 48 | 18.2 | 36.8 | 8.35 | 9.3 | 752 | 0 | 43 | 53 | 2 | 2 | 0 | 0 | 1.4 | 0 | 2 | 0.380 |
| 665 | 5 | M | 39.0 | 14.6 | 48 | 18.8 | 38.8 | 7.90 | 7.9 | 991 | 0 | 20 | 79 | 0 | 1 | 0 | 3 | 0.8 | 1 | 1 | 0.430 |
| 667 | 5 | M | 40.8 | 14.9 | 50 | 19.0 | 37.2 | 7.90 | 8.5 | 1048 | 0 | 31 | 68 | 1 | 0 | 0 | 1 | 0.2 | 0 | 2 | 0.700 |
| 670 | 5 | M | 40.9 | 15.0 | 48 | 18.0 | 37.4 | 8.43 | 8.4 | 838 | 0 | 13 | 84 | 1 | 2 | 0 | 0 | 1.8 | 1 | 2 | 0.370 |
| 683 | 5 | F | 42.2 | 15.3 | 54 | 20.5 | 37.2 | 7.58 | 5.6 | 746 | 0 | 20 | 80 | 0 | 0 | 0 | 0 | 1.8 | 1 | 1 | 0.700 |
| 686 | 5 | F | 42.4 | 15.5 | 54 | 20.6 | 37.5 | 7.60 | 4.2 | 1028 | 0 | 24 | 74 | 0 | 2 | 0 | 2 | 3.3 | 2 | 1 | 0.370 |
| 693 | 5 | F | 40.6 | 14.9 | 52 | 20.0 | 37.3 | 7.48 | 5.7 | 741 | 0 | 21 | 78 | 0 | 1 | 0 | 0 | 1.1 | 0 | 2 | 0.210 |
| 701 | 5 | F | 40.6 | 14.5 | 51 | 19.0 | 36.8 | 7.72 | 5.7 | 818 | 0 | 64 | 36 | 0 | 0 | 0 | 3 | 0.8 | 2 | 1 | 0.380 |
| 703 | 5 | F | 40.7 | 14.9 | 56 | 21.4 | 37.5 | 7.05 | 4.7 | 562 | 0 | 25 | 73 | 2 | 0 | 0 | 1 | 2.2 | 1 | 1 | 1.030 |
| 707 | 5 | F | 38.8 | 15.1 | 53 | 21.5 | 40.0 | 7.08 | 5.8 | 908 | 0 | 28 | 70 | 2 | 0 | 0 | 2 | 1.3 | 0 | 1 | 0.480 |
| 726 | 5 | F | 42.2 | 15.3 | 54 | 20.2 | 37.2 | 7.67 | 4.9 | 989 | 0 | 18 | 81 | 0 | 1 | 0 | 3 | 2.8 | 0 | 1 | 0.490 |
| 731 | 5 | F | 40.3 | 15.1 | 54 | 20.9 | 38.3 | 7.31 | 4.7 | 801 | 0 | 13 | 82 | 3 | 2 | 0 | 2 | 2.6 | 3 | 2 | 0.420 |
| 733 | 5 | F | 39.2 | 14.5 | 54 | 20.6 | 37.6 | 7.04 | 10.1 | 630 | 0 | 11 | 89 | 0 | 0 | 0 | 0 | 0.3 | 1 | 1 | 0.380 |
| 736 | 5 | F | 39.9 | 15.1 | 53 | 21.0 | 38.7 | 7.25 | 5.9 | 1026 | 0 | 15 | 85 | 0 | 0 | 0 | 0 | 0.3 | 1 | 0 | 0.540 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4+ positive RBCs per field

# Table VI.4e

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 104

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $u m^3$ | MCH pg | MCHC g/dl | RBC $x 10^6/mm^3$ | WBC $x 10^3/mm^3$ | PLT $x 10^3/mm^3$ | IM NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 41.8 | 15.6 | 53 | 20.4 | 38.2 | 7.76 | 6.4 | 313 | 0 | 37 | 58 | 3 | 2 | 0 | 4 | 2.6 | 0 | 0 | 0.200 |
| 10 | 1 | M | 50.7 | 19.0 | 52 | 20.0 | 37.9 | 9.52 | 5.8 | 375 | 0 | 34 | 62 | 1 | 3 | 0 | 11 | 0.6 | 0 | 0 | 0.100 |
| 33 | 1 | M | 44.8 | 16.5 | 53 | 20.2 | 37.5 | 8.26 | 7.9 | 402 | 0 | 27 | 72 | 1 | 0 | 0 | 4 | 1.2 | 0 | 0 | 0.050 |
| 35 | 1 | M | 42.4 | 15.4 | 51 | 19.2 | 37.2 | 8.16 | 8.9 | 376 | 0 | 38 | 61 | 0 | 1 | 0 | 7 | 3.0 | 0 | 0 | 0.160 |
| 40 | 1 | M | 47.8 | 17.7 | 50 | 19.0 | 37.5 | 9.39 | 5.9 | 351 | 0 | 38 | 59 | 0 | 3 | 0 | 0 | 1.1 | 0 | 0 | 0.100 |
| 41 | 1 | M | 45.5 | 17.0 | 51 | 19.6 | 38.0 | 8.76 | 5.9 | 471 | 0 | 21 | 79 | 0 | 0 | 0 | 6 | 1.1 | 0 | 0 | 0.160 |
| 43 | 1 | M | 18.3 | 5.9 | 90 | 33.4 | 34.3 | 1.89 | 105.3 | 24 | 0 | 1 | 98 | 0 | 0 | 0 | 0 | 1.1 | 0 | --- | 0.310 |
| 52 | 1 | M | 42.5 | 15.9 | 54 | 20.8 | 38.2 | 7.70 | 7.8 | 266 | 0 | 50 | 47 | 0 | 3 | 0 | 0 | 0.6 | 0 | 0 | 0.100 |
| 55 | 1 | M | 54.1 | 19.8 | 50 | 18.6 | 37.2 | 10.77 | 5.9 | 253 | 0 | 51 | 43 | 1 | 5 | 0 | 6 | 0.6 | 0 | 0 | 0.050 |
| 73 | 1 | M | 44.7 | 16.5 | 53 | 20.2 | 37.8 | 8.31 | 7.6 | 443 | 0 | 24 | 74 | 2 | 0 | 0 | 3 | 1.4 | 0 | 0 | 0.210 |
| 83 | 1 | F | 42.9 | 16.6 | 55 | 21.8 | 39.6 | 7.67 | 5.2 | 429 | 0 | 27 | 70 | 2 | 1 | 0 | 5 | 1.3 | 0 | 0 | 0.150 |
| 93 | 1 | F | 44.7 | 16.5 | 55 | 21.0 | 37.8 | 7.94 | 5.1 | 231 | 0 | 44 | 56 | 0 | 0 | 0 | 4 | 0.4 | 0 | 0 | 0.210 |
| 96 | 1 | F | 42.1 | 15.9 | 56 | 21.9 | 38.4 | 7.31 | 5.6 | 345 | 0 | 28 | 71 | 1 | 0 | 0 | 2 | 2.1 | 0 | 0 | 0.200 |
| 104 | 1 | F | 43.4 | 16.2 | 53 | 20.4 | 38.2 | 8.01 | 6.0 | 335 | 0 | 25 | 74 | 0 | 1 | 0 | 1 | 1.8 | 0 | 0 | 0.470 |
| 126 | 1 | F | 46.7 | 17.2 | 56 | 21.2 | 37.5 | 8.20 | 4.4 | 298 | 0 | 25 | 71 | 2 | 2 | 0 | 17 | 3.4 | 0 | 1 | 0.000 |
| 127 | 1 | F | 41.9 | 15.8 | 53 | 20.6 | 38.3 | 7.70 | --- | 145 | 0 | 31 | 67 | 1 | 1 | 0 | 7 | 1.6 | 0 | 0 | 0.100 |
| 131 | 1 | F | 38.9 | 14.4 | 56 | 22.0 | 38.0 | 6.63 | 6.1 | 227 | 0 | 22 | 75 | 0 | 3 | 0 | 56 | 1.9 | 0 | 0 | 0.100 |
| 135 | 1 | F | 41.3 | 15.6 | 53 | 20.8 | 38.7 | 7.59 | 4.8 | 300 | 0 | 31 | 67 | 0 | 2 | 0 | 1 | 0.7 | 0 | 0 | 0.150 |
| 144 | 1 | F | 42.5 | 16.0 | 54 | 21.2 | 38.7 | 7.68 | 5.6 | 369 | 0 | 19 | 79 | 0 | 2 | 0 | 1 | 2.1 | 0 | 0 | 0.050 |
| 146 | 1 | F | 43.8 | 16.4 | 55 | 21.2 | 38.2 | 7.84 | 4.6 | 317 | 0 | 29 | 67 | 1 | 3 | 0 | 3 | 2.0 | 0 | 0 | 0.100 |
| 170 | 2 | M | 41.2 | 15.1 | 54 | 20.4 | 37.2 | 7.43 | 6.7 | 254 | 0 | 28 | 72 | 0 | 0 | 0 | 4 | 2.7 | 0 | 0 | 0.150 |
| 175 | 2 | M | 44.6 | 16.5 | 50 | 19.4 | 37.9 | 8.68 | 6.9 | 333 | 0 | 30 | 69 | 1 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0.050 |
| 185 | 2 | M | 44.7 | 16.5 | 48 | 18.2 | 37.5 | 9.21 | 6.5 | 190 | 0 | 25 | 71 | 1 | 3 | 0 | 11 | 0.5 | 0 | 0 | 0.100 |
| 186 | 2 | M | 51.4 | 19.0 | 52 | 19.8 | 37.6 | 9.70 | 7.0 | 329 | 0 | 46 | 54 | 0 | 0 | 0 | 1 | 8.5 | 0 | 1 | 0.150 |
| 198 | 2 | M | 42.4 | 15.9 | 53 | 20.6 | 38.2 | 7.80 | 7.4 | 316 | 0 | 41 | 54 | 1 | 4 | 0 | 6 | 1.6 | 0 | 0 | 0.150 |
| 202 | 2 | M | 39.9 | 14.6 | 54 | 20.8 | 37.8 | 7.16 | 7.3 | 366 | 0 | 29 | 70 | 0 | 1 | 0 | 3 | 2.4 | 0 | 0 | 0.050 |
| 216 | 2 | M | 37.0 | 13.3 | 57 | 21.4 | 36.8 | 6.28 | 1.8 | 106 | 0 | 68 | 31 | 0 | 1 | 0 | 225 | 1.8 | 1 | 0 | 0.000 |
| 217 | 2 | M | 41.3 | 15.3 | 52 | 19.9 | 37.8 | 7.77 | 8.5 | 435 | 0 | 31 | 66 | 2 | 1 | 0 | 2 | 1.5 | 0 | 0 | 0.260 |
| 219 | 2 | M | 42.7 | 15.8 | 51 | 19.4 | 37.6 | 8.21 | 7.7 | 400 | 0 | 53 | 43 | 2 | 2 | 0 | 2 | 1.6 | 0 | 1 | 0.100 |
| 221 | 2 | M | 42.5 | 15.6 | 52 | 20.0 | 37.6 | 7.92 | 9.9 | 188 | 0 | 29 | 69 | 2 | 0 | 0 | 1 | 2.1 | 0 | 0 | 0.100 |
| 233 | 2 | F | 42.2 | 16.0 | 52 | 20.3 | 38.6 | 7.94 | 11.4 | 398 | 0 | 34 | 66 | 0 | 0 | 0 | 2 | 0.9 | 0 | --- | 0.000 |
| 238 | 2 | F | 40.6 | 15.5 | 54 | 21.5 | 39.2 | 7.29 | 4.9 | 280 | 0 | 35 | 62 | 1 | 2 | 0 | 3 | 0.8 | 0 | 0 | 0.000 |
| 249 | 2 | F | 38.8 | 14.0 | 62 | 23.2 | 36.8 | 6.09 | 15.2 | 313 | 0 | 17 | 83 | 0 | 0 | 0 | 10 | 2.7 | 1 | 0 | 0.100 |
| 252 | 2 | F | 45.3 | 17.0 | 55 | 21.3 | 38.4 | 8.06 | 4.5 | 267 | 0 | 24 | 71 | 1 | 4 | 0 | 7 | 1.1 | 0 | 0 | 0.100 |
| 266 | 2 | F | 43.0 | 16.4 | 54 | 21.4 | 38.9 | 7.74 | 4.6 | 298 | 0 | 19 | 77 | 3 | 1 | 0 | 0 | 0.6 | 0 | 0 | 0.050 |
| 269 | 2 | F | 41.9 | 15.4 | 54 | 20.8 | 37.7 | 7.52 | 5.9 | 319 | 0 | 15 | 84 | 1 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.210 |
| 272 | 2 | F | 41.1 | 15.8 | 54 | 21.6 | 39.2 | 7.38 | --- | 392 | 0 | 22 | 75 | 0 | 3 | 0 | 9 | --- | 0 | 1 | 0.150 |
| 276 | 2 | F | 40.8 | 15.8 | 54 | 21.2 | 39.3 | 7.45 | 3.7 | 276 | 0 | 45 | 54 | 0 | 1 | 0 | 14 | 0.4 | 0 | 0 | 0.100 |
| 281 | 2 | F | 44.4 | 16.6 | 54 | 21.0 | 38.5 | 8.06 | 6.2 | 339 | 0 | 41 | 58 | 0 | 1 | 0 | 1 | 0.7 | 0 | 0 | 0.000 |
| 293 | 2 | F | 24.1 | 7.8 | 56 | 19.7 | 33.5 | 4.01 | 13.4 | 381 | 0 | 54 | 46 | 0 | 0 | 0 | 23 | 13.1 | 1 | 0 | 0.150 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

## Table VI.4e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 104

| ANIMAL NO | TR GROUP | SEX | HCT % | HGB g/dl | MCV $\mu m^3$ | MCH pg | MCHC g/dl | RBC $\times 10^6/mm^3$ | WBC $\times 10^3/mm^3$ | PLT $\times 10^3/mm^3$ | I M NEUT %WBC | M NEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC /100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 50.1 | 18.6 | 52 | 19.8 | 37.8 | 9.53 | 6.4 | 373 | 0 | 22 | 74 | 0 | 4 | 0 | 5 | 0.6 | 0 | 1 | 0.000 |
| 308 | 3 | M | 47.6 | 17.7 | 50 | 19.0 | 37.6 | 9.33 | 6.7 | 350 | 0 | 36 | 62 | 0 | 2 | 0 | 0 | 1.8 | 0 | 0 | 0.100 |
| 313 | 3 | M | 48.3 | 18.4 | 52 | 20.1 | 38.8 | 9.25 | 7.9 | 341 | 0 | 17 | 80 | 2 | 1 | 0 | 6 | 1.5 | 1 | 0 | 0.100 |
| 315 | 3 | M | 41.7 | 15.2 | 53 | 20.0 | 37.4 | 7.67 | 8.3 | 423 | 0 | 36 | 61 | 2 | 1 | 0 | 3 | 1.7 | 0 | 0 | 0.730 |
| 323 | 3 | M | 36.8 | 12.3 | 80 | 28.2 | 34.3 | 4.47 | 34.6 | 178 | 0 | 20 | 79 | 1 | 0 | 0 | 13 | 5.8 | 0 | 2 | 0.160 |
| 345 | 3 | M | 42.5 | 14.6 | 78 | 27.9 | 35.1 | 5.32 | 13.6 | 297 | 0 | 29 | 71 | 0 | 0 | 0 | 16 | 7.3 | 0 | 0 | 0.150 |
| 360 | 3 | M | 48.2 | 18.2 | 51 | 19.6 | 38.4 | 9.40 | 6.6 | 327 | 0 | 35 | 62 | 1 | 2 | 0 | 3 | 0.9 | 0 | 0 | 0.620 |
| 365 | 3 | M | 34.6 | 12.8 | 52 | 20.2 | 38.0 | 6.39 | 8.3 | 256 | 0 | 35 | 65 | 0 | 0 | 0 | 4 | 1.3 | 0 | 0 | 0.150 |
| 368 | 3 | M | 45.2 | 16.4 | 53 | 19.9 | 37.0 | 8.34 | 6.4 | 450 | 0 | 37 | 61 | 0 | 2 | 0 | 1 | 1.8 | 0 | 0 | 0.050 |
| 375 | 3 | M | 37.4 | 13.4 | 48 | 17.7 | 36.4 | 7.61 | 7.7 | 392 | 0 | 36 | 61 | 1 | 2 | 0 | 6 | 1.6 | 0 | 0 | 0.260 |
| 376 | 3 | F | 43.4 | 16.2 | 54 | 21.0 | 38.2 | 7.78 | 4.6 | 270 | 0 | 28 | 72 | 0 | 0 | 0 | 9 | 0.9 | 0 | 0 | 0.200 |
| 384 | 3 | F | 39.8 | 15.0 | 55 | 21.4 | 38.2 | 7.06 | 6.6 | 340 | 0 | 51 | 48 | 0 | 1 | 0 | 1 | 3.2 | 1 | 0 | 0.100 |
| 390 | 3 | F | 41.9 | 16.0 | 54 | 21.1 | 39.1 | 7.66 | 5.2 | 584 | 0 | 26 | 70 | 0 | 4 | 0 | 1 | 1.1 | 0 | 0 | 0.150 |
| 398 | 3 | F | 45.4 | 16.6 | 55 | 20.8 | 37.5 | 8.11 | 5.0 | 439 | 0 | 34 | 63 | 0 | 3 | 0 | 1 | 1.3 | 0 | 1 | 0.360 |
| 409 | 3 | F | 46.4 | 17.4 | 56 | 21.6 | 38.2 | 8.17 | 5.9 | 323 | 0 | 11 | 82 | 5 | 2 | 0 | 3 | 1.4 | 0 | 0 | 0.160 |
| 421 | 3 | F | 41.9 | 15.9 | 53 | 20.9 | 38.7 | 7.68 | 4.4 | 447 | 0 | 28 | 67 | 2 | 3 | 0 | 3 | 0.6 | 0 | 0 | 0.150 |
| 430 | 3 | F | 36.6 | 13.2 | 58 | 21.5 | 36.8 | 6.18 | 7.0 | 474 | 0 | 31 | 68 | 0 | 1 | 0 | 4 | 2.1 | 0 | 1 | 0.050 |
| 436 | 3 | F | 41.4 | 15.6 | 56 | 21.6 | 38.6 | 7.26 | 4.4 | 275 | 0 | 30 | 69 | 0 | 1 | 0 | 3 | 0.6 | 0 | 0 | 0.150 |
| 440 | 3 | F | 28.0 | 10.3 | 58 | 23.0 | 38.1 | 4.53 | 9.6 | 420 | 0 | 28 | 72 | 0 | 0 | 0 | 8 | 0.5 | 0 | 0 | 0.670 |
| 447 | 3 | F | 44.9 | 17.0 | 53 | 20.6 | 38.6 | 8.35 | 6.0 | 247 | 0 | 41 | 55 | 3 | 1 | 0 | 0 | 0.8 | 0 | 0 | 0.000 |
| 459 | 4 | M | 47.0 | 17.8 | 51 | 19.6 | 38.2 | 9.15 | 6.8 | 286 | 0 | 27 | 73 | 0 | 0 | 0 | 2 | 1.0 | 0 | 0 | 0.000 |
| 477 | 4 | M | 43.6 | 16.2 | 52 | 20.0 | 37.8 | 8.15 | 6.5 | 321 | 0 | 42 | 56 | 0 | 2 | 0 | 6 | 1.6 | 0 | 1 | 0.100 |
| 501 | 4 | M | 42.8 | 15.9 | 53 | 20.2 | 37.8 | 7.93 | 5.2 | 376 | 0 | 25 | 73 | 1 | 1 | 0 | 3 | 0.6 | 0 | 0 | 0.050 |
| 502 | 4 | M | 39.9 | 14.6 | 51 | 19.3 | 37.4 | 7.63 | 8.8 | 385 | 0 | 45 | 54 | 0 | 1 | 0 | 3 | 3.0 | 0 | 0 | 0.100 |
| 504 | 4 | M | 44.5 | 16.9 | 52 | 20.2 | 38.4 | 8.38 | 8.8 | 329 | 0 | 27 | 72 | 1 | 0 | 0 | 2 | 2.2 | 0 | 0 | 0.100 |
| 519 | 4 | M | 41.1 | 14.9 | 55 | 20.4 | 36.8 | 7.36 | 10.5 | 339 | 0 | 56 | 44 | 0 | 0 | 0 | 21 | 0.8 | 0 | 1 | 0.100 |
| 520 | 4 | M | 40.9 | 15.0 | 54 | 20.4 | 37.4 | 7.46 | 6.8 | 364 | 0 | 25 | 74 | 1 | 0 | 0 | 3 | 1.4 | 0 | 1 | 0.100 |
| 521 | 4 | M | 43.9 | 16.2 | 52 | 20.0 | 37.8 | 8.22 | 10.7 | 385 | 0 | 19 | 81 | 0 | 0 | 0 | 0 | 3.3 | 0 | 1 | 0.310 |
| 524 | 4 | M | 41.4 | 15.2 | 49 | 18.8 | 37.7 | 8.22 | 7.8 | 449 | 0 | 36 | 59 | 2 | 3 | 0 | 1 | 4.5 | 0 | 1 | 0.100 |
| 525 | 4 | M | 27.4 | 9.8 | 54 | 20.8 | 37.2 | 4.79 | 16.9 | 566 | 0 | 54 | 45 | 1 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0.150 |
| 540 | 4 | F | 42.1 | 15.8 | 54 | 21.2 | 38.4 | 7.58 | 4.6 | 316 | 0 | 27 | 73 | 0 | 0 | 0 | 4 | 1.7 | 0 | 0 | 0.420 |
| 550 | 4 | F | 41.0 | 15.0 | 56 | 21.1 | 37.4 | 7.19 | 5.8 | 425 | 0 | 35 | 65 | 0 | 0 | 0 | 4 | 1.2 | 0 | 2 | 0.150 |
| 556 | 4 | F | 44.7 | 16.3 | 56 | 20.8 | 37.0 | 7.90 | 4.7 | 341 | 0 | 25 | 74 | 0 | 1 | 0 | 1 | 0.6 | 0 | 0 | 0.100 |
| 569 | 4 | F | 42.4 | 15.9 | 54 | 20.6 | 38.0 | 7.74 | --- | 293 | 0 | 32 | 66 | 0 | 2 | 0 | 2 | 0.9 | 0 | 0 | 0.000 |
| 574 | 4 | F | 37.9 | 13.9 | 48 | 18.5 | 37.4 | 7.61 | 10.1 | 479 | 0 | 79 | 19 | 2 | 0 | 0 | 0 | 2.2 | 0 | 0 | 0.000 |
| 578 | 4 | F | 36.0 | 13.2 | 54 | 20.4 | 37.4 | 6.49 | 6.2 | 317 | 0 | 48 | 52 | 0 | 0 | 0 | 2 | 1.2 | 0 | 0 | 0.310 |
| 581 | 4 | F | 41.9 | 15.6 | 56 | 21.8 | 38.1 | 7.29 | 8.7 | 139 | 0 | 57 | 43 | 0 | 0 | 0 | 4 | 1.5 | 0 | 2 | 0.050 |
| 586 | 4 | F | 43.4 | 16.3 | 54 | 21.0 | 38.4 | 7.81 | 6.5 | 72 | 0 | 26 | 72 | 1 | 1 | 0 | 4 | 1.1 | 1 | 0 | 0.200 |
| 587 | 4 | F | 41.4 | 15.2 | 54 | 20.6 | 37.4 | 7.43 | 7.0 | 295 | 0 | 15 | 83 | 2 | 0 | 0 | 1 | 1.6 | 0 | 1 | 0.160 |
| 593 | 4 | F | 43.2 | 16.0 | 51 | 19.5 | 37.8 | 8.29 | 5.0 | 430 | 0 | 34 | 61 | 0 | 5 | 0 | 3 | 1.4 | 0 | 1 | 0.100 |

--- = NO AVAILABLE DATA

**Code for HowJol and Heinz Bodies**

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field

Table VI.4e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL HEMATOLOGY VALUES - TEST WEEK 104

| ANIMAL NO. | TR GROUP | SEX | HCT % | HGB g/dl | MCV $u m^3$ | MCH pg | MCHC g/dl | RBC x $10^6/mm^3$ | WBC x $10^3/mm^3$ | PLT x $10^3/mm^3$ | IMNEUT %WBC | MNEUT %WBC | LYM %WBC | MON %WBC | EOS %WBC | BASO %WBC | NRBC/100 WBC | RETIC %RBC | HOWJOL BODIES | HEINZ BODIES | METHGB g/dl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 39.2 | 14.4 | 50 | 18.9 | 37.4 | 7.69 | 9.7 | 418 | 0 | 35 | 63 | 0 | 2 | 0 | 3 | 2.2 | 0 | 2 | 0.160 |
| 613 | 5 | M | 28.5 | 9.4 | 49 | 17.1 | 33.8 | 5.51 | 14.0 | 438 | 0 | 40 | 60 | 0 | 0 | 0 | 3 | 8.6 | 0 | 0 | 0.260 |
| 617 | 5 | M | 33.3 | 11.5 | 46 | 16.9 | 35.6 | 6.92 | 7.7 | 310 | 0 | 41 | 59 | 0 | 0 | 0 | 0 | 2.7 | 0 | 2 | 0.260 |
| 629 | 5 | M | 37.4 | 13.4 | 52 | 19.7 | 36.8 | 6.91 | 6.9 | 536 | 0 | 8 | 92 | 0 | 0 | 0 | 1 | --- | 0 | --- | 0.260 |
| 632 | 5 | M | 37.8 | 13.5 | 52 | 19.6 | 36.6 | 6.98 | 10.3 | 501 | 0 | 24 | 76 | 0 | 0 | 0 | 4 | 2.1 | 0 | 0 | 0.200 |
| 642 | 5 | M | 43.2 | 15.5 | 52 | 19.0 | 36.3 | 8.24 | 8.5 | 595 | 0 | 54 | 44 | 2 | 0 | 0 | 6 | 1.8 | 0 | 1 | 0.310 |
| 644 | 5 | M | 23.5 | 7.3 | 65 | 22.4 | 32.7 | 3.35 | 19.5 | 273 | 0 | 58 | 40 | 1 | 1 | 0 | 13 | 7.4 | 0 | --- | 0.100 |
| 661 | 5 | M | 20.4 | 6.3 | 50 | 17.0 | 32.2 | 3.72 | --- | 133 | 0 | 43 | 54 | 1 | 2 | 0 | 9 | --- | 1 | 0 | 0.260 |
| 665 | 5 | M | 39.3 | 14.5 | 52 | 20.1 | 37.6 | 7.26 | 6.0 | 408 | 0 | 34 | 65 | 0 | 1 | 0 | 4 | 2.5 | 0 | --- | 0.420 |
| 667 | 5 | M | 36.0 | 13.4 | 50 | 19.6 | 38.0 | 6.85 | 7.9 | 417 | 0 | 19 | 78 | 2 | 1 | 0 | 4 | 1.6 | 0 | 3 | 0.470 |
| 683 | 5 | F | 39.3 | 14.3 | 52 | 19.6 | 37.0 | 7.38 | 5.1 | 265 | 0 | 15 | 84 | 1 | 0 | 0 | 3 | 2.7 | 0 | 1 | 0.520 |
| 686 | 5 | F | 33.7 | 14.6 | 55 | 21.0 | 37.9 | 7.07 | 5.6 | 431 | 0 | 31 | 66 | 1 | 2 | 0 | 2 | 2.4 | 0 | 1 | 0.200 |
| 701 | 5 | F | 41.4 | 14.9 | 53 | 19.8 | 36.8 | 7.60 | 8.3 | 323 | 0 | 51 | 49 | 0 | 0 | 0 | 1 | 1.0 | 0 | 1 | 0.150 |
| 703 | 5 | F | 37.9 | 13.6 | 55 | 20.6 | 36.8 | 6.66 | 5.0 | 331 | 0 | 20 | 80 | 0 | 0 | 0 | 1 | 1.9 | 0 | 0 | 0.150 |
| 707 | 5 | F | 41.2 | 15.1 | 54 | 20.4 | 37.6 | 7.49 | 4.4 | 371 | 0 | 29 | 69 | 0 | 2 | 0 | 3 | 1.9 | 0 | 1 | 0.360 |
| 726 | 5 | F | 42.1 | 15.2 | 55 | 20.4 | 36.8 | 7.52 | 5.0 | 399 | 0 | 23 | 77 | 0 | 0 | 0 | 3 | 1.0 | 0 | 0 | 0.100 |
| 731 | 5 | F | 40.7 | 14.6 | 54 | 20.2 | 36.8 | 7.36 | 5.8 | 379 | 0 | 7 | 93 | 0 | 0 | 0 | 5 | 2.5 | 0 | 1 | 0.310 |
| 733 | 5 | F | 38.8 | 13.7 | 53 | 19.6 | 36.2 | 7.07 | 14.5 | 244 | 0 | 16 | 84 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1 | 0.310 |
| 736 | 5 | F | 41.2 | 15.2 | 54 | 20.8 | 37.6 | 7.35 | 4.2 | 408 | 0 | 20 | 80 | 0 | 0 | 0 | 4 | 1.2 | 0 | 1 | 0.210 |
| 748 | 5 | F | 33.8 | 11.5 | 79 | 28.6 | 35.0 | 4.10 | 12.7 | 415 | 0 | 42 | 58 | 0 | 0 | 0 | 7 | 17.5 | 0 | --- | 0.150 |

--- = NO AVAILABLE DATA

Code for HowJol and Heinz Bodies

0 = < 1 positive RBC per field
1 = 1-2 positive RBCs per field
2 = 2-4 positive RBCs per field
3 = 4 + positive RBCs per field

## Table VI.5a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 14

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | APhos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 102 | 15 | 28 | 106 | 6.3 | 4.2 | 68 | 0.05 | 0.13 | 9.9 | 145 | 5.0 | 109 | --- | 328 | 73 | 2.1 | 2.0 |
| 32 | 1 | M | 89 | 16 | 20 | 138 | 6.4 | 4.2 | 61 | 0.06 | 0.18 | 10.1 | 143 | 4.9 | 108 | --- | 632 | 90 | 2.2 | 1.9 |
| 40 | 1 | M | 111 | 15 | 24 | 143 | 6.7 | 4.3 | 62 | 0.05 | 0.16 | 10.1 | 142 | 4.5 | 108 | --- | 342 | 81 | 2.4 | 1.8 |
| 41 | 1 | M | 83 | 16 | 24 | 126 | 6.6 | 4.2 | 71 | 0.06 | 0.18 | 10.4 | 154 | 5.2 | 108 | --- | 1120 | 78 | 2.4 | 1.7 |
| 43 | 1 | M | 98 | 17 | 16 | 128 | 6.5 | 4.4 | 81 | 0.06 | 0.19 | 10.9 | 154 | 4.7 | 110 | --- | 658 | 90 | 2.1 | 2.1 |
| 52 | 1 | M | 115 | 17 | 20 | 111 | 6.4 | 4.4 | 53 | 0.05 | 0.17 | 10.2 | 145 | 4.9 | 108 | --- | 316 | 97 | 2.0 | 2.2 |
| 53 | 1 | M | 101 | 16 | 14 | 176 | 6.5 | 4.3 | 64 | 0.06 | 0.20 | 9.5 | 152 | 5.1 | 108 | --- | 514 | 84 | 2.2 | 2.0 |
| 55 | 1 | M | 102 | 15 | 24 | 125 | 6.5 | 4.3 | 60 | 0.05 | 0.18 | 10.1 | 147 | 4.4 | 107 | --- | 368 | 82 | 2.2 | 2.0 |
| 63 | 1 | M | 89 | 18 | 24 | 137 | 6.1 | 4.1 | 77 | 0.09 | 0.25 | 10.2 | 156 | 5.6 | 108 | --- | 1120 | 70 | 2.0 | 2.1 |
| 73 | 1 | M | 80 | 16 | 24 | 81 | 6.2 | 4.1 | 56 | 0.05 | 0.19 | 9.8 | 146 | 5.0 | 104 | --- | 1028 | 78 | 2.1 | 2.0 |
| 93 | 1 | F | 84 | 16 | 16 | 40 | 6.1 | 4.1 | 106 | 0.05 | 0.18 | 10.1 | 148 | 4.9 | 110 | --- | 646 | 63 | 2.0 | 2.1 |
| 96 | 1 | F | 82 | 17 | --- | 65 | 6.6 | 4.4 | 114 | 0.06 | 0.18 | 10.3 | 160 | 4.8 | 110 | --- | 646 | 70 | 2.2 | 2.0 |
| 104 | 1 | F | 77 | 15 | 16 | 39 | 6.1 | 4.1 | 129 | 0.04 | 0.18 | 10.5 | 156 | 5.2 | 110 | --- | 552 | 51 | 2.0 | 2.1 |
| 119 | 1 | F | 96 | 14 | 20 | 45 | 6.1 | 4.2 | 105 | 0.09 | 0.23 | 9.6 | 149 | 5.8 | 112 | --- | 710 | 61 | 1.9 | 2.2 |
| 126 | 1 | F | 73 | 17 | 16 | 29 | 6.0 | 4.1 | 98 | 0.04 | 0.14 | 10.2 | 158 | 4.9 | 113 | --- | 552 | 60 | 1.9 | 2.2 |
| 127 | 1 | F | 111 | 17 | 16 | 31 | 6.8 | 4.4 | 129 | 0.03 | 0.10 | 10.2 | 148 | 5.4 | 111 | --- | 170 | 52 | 2.4 | 1.8 |
| 131 | 1 | F | 98 | 18 | 14 | 36 | 6.2 | 4.3 | 115 | 0.08 | 0.22 | 9.7 | 144 | 4.8 | 112 | --- | 474 | 54 | 1.9 | 2.3 |
| 135 | 1 | F | 84 | 16 | 16 | 57 | 6.4 | 4.1 | 109 | 0.04 | 0.16 | 9.7 | 147 | 5.0 | 115 | --- | 816 | 67 | 2.3 | 1.8 |
| 144 | 1 | F | 92 | 15 | 14 | 50 | 6.4 | 4.3 | 115 | 0.04 | 0.09 | 9.6 | 147 | 5.2 | 114 | --- | 540 | 60 | 2.1 | 2.0 |
| 146 | 1 | F | 104 | 14 | 20 | 33 | 6.2 | 4.3 | 105 | 0.06 | 0.17 | 9.6 | 146 | 5.1 | 111 | --- | 486 | 58 | 1.9 | 2.3 |
| 160 | 2 | M | 100 | 16 | 24 | 101 | 6.5 | 4.3 | 65 | 0.04 | 0.14 | 10.1 | 146 | 4.6 | 110 | --- | 540 | 87 | 2.2 | 2.0 |
| 161 | 2 | M | 104 | 14 | 20 | 160 | 6.4 | 4.3 | 64 | 0.06 | 0.17 | 10.1 | 145 | 5.1 | 110 | --- | 566 | 79 | 2.1 | 2.0 |
| 170 | 2 | M | 133 | 18 | 16 | 94 | 6.4 | 4.3 | 60 | 0.05 | 0.15 | 12.4 | 143 | 4.7 | 106 | --- | 408 | 82 | 2.1 | 2.0 |
| 181 | 2 | M | 89 | 17 | 24 | 104 | 6.2 | 4.1 | 60 | 0.05 | 0.18 | 10.6 | 154 | 5.1 | 111 | --- | 856 | 87 | 2.1 | 2.0 |
| 185 | 2 | M | 88 | 13 | 32 | 100 | 6.3 | 4.3 | 58 | 0.05 | 0.18 | 10.0 | 147 | 5.0 | 111 | --- | 710 | 81 | 2.0 | 2.1 |
| 206 | 2 | M | 112 | 15 | 24 | 98 | 6.3 | 4.2 | 67 | 0.06 | 0.17 | 9.8 | 147 | 5.1 | 104 | --- | 540 | 78 | 2.1 | 2.0 |
| 212 | 2 | M | 116 | 15 | 14 | 175 | 6.6 | 4.4 | 81 | 0.07 | 0.20 | 10.5 | 148 | 5.1 | 109 | --- | 460 | 72 | 2.2 | 2.0 |
| 216 | 2 | M | 100 | 14 | 16 | 132 | 6.6 | 4.1 | 66 | 0.06 | 0.19 | 9.9 | 148 | 5.3 | 109 | --- | 936 | 75 | 2.5 | 1.6 |
| 217 | 2 | M | 85 | 15 | 24 | 147 | 6.6 | 4.2 | 72 | 0.06 | 0.18 | 10.5 | 152 | 5.6 | 111 | --- | 882 | 76 | 2.4 | 1.7 |
| 219 | 2 | M | 86 | 17 | 24 | 92 | 6.3 | 4.1 | 75 | 0.05 | 0.19 | 10.1 | 151 | 5.2 | 108 | --- | 948 | 70 | 2.2 | 1.9 |
| 233 | 2 | F | 72 | 16 | 20 | 55 | 6.6 | 4.4 | 124 | 0.05 | 0.18 | 10.3 | 154 | 4.8 | 109 | --- | 1238 | 60 | 2.2 | 2.0 |
| 248 | 2 | F | 102 | 17 | 16 | 36 | 6.1 | 4.0 | 98 | 0.05 | 0.16 | 9.4 | 141 | 5.2 | 110 | --- | 460 | 67 | 2.1 | 1.9 |
| 249 | 2 | F | 103 | 20 | 18 | 45 | 6.5 | 4.4 | 114 | 0.06 | 0.16 | 10.0 | 158 | 5.4 | 118 | --- | 684 | 70 | 2.1 | 2.1 |
| 250 | 2 | F | 82 | 15 | --- | 51 | 6.1 | 4.2 | 108 | 0.06 | 0.17 | 10.0 | 157 | 5.7 | 114 | --- | 804 | 87 | 1.9 | 2.2 |
| 252 | 2 | F | 74 | 16 | 20 | 34 | 5.9 | 4.0 | 107 | 0.05 | 0.18 | 10.0 | 150 | 5.2 | 112 | --- | 540 | 58 | 1.9 | 2.1 |
| 266 | 2 | F | 105 | 20 | 14 | 47 | 6.6 | 4.4 | 111 | 0.05 | 0.16 | 10.1 | 155 | 5.2 | 113 | --- | 434 | 64 | 2.2 | 2.0 |
| 269 | 2 | F | 88 | 15 | 20 | 37 | 5.7 | 3.9 | 90 | 0.05 | 0.15 | 9.9 | 157 | 5.0 | 111 | --- | 710 | 63 | 1.8 | 2.2 |
| 272 | 2 | F | 97 | 16 | 20 | 40 | 6.0 | 4.1 | 102 | 0.06 | 0.16 | 9.6 | 145 | 4.6 | 107 | --- | 460 | 75 | 1.9 | 2.2 |
| 276 | 2 | F | 96 | 18 | 20 | 56 | 6.3 | 4.1 | 116 | 0.04 | 0.13 | 9.4 | 145 | 4.6 | 107 | --- | 974 | 60 | 2.2 | 1.9 |
| 284 | 2 | F | 106 | 19 | 16 | 47 | 6.0 | 4.0 | 122 | 0.03 | 0.11 | 10.0 | 148 | 4.5 | 111 | --- | 764 | 73 | 2.0 | 2.0 |

--- = NO AVAILABLE DATA

# Table VI.5a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 14

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | APhos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 109 | 16 | 16 | 248 | 6.5 | 4.1 | 72 | 0.09 | 0.24 | 10.6 | 145 | 4.9 | 108 | --- | 764 | 90 | 2.4 | 1.7 |
| 309 | 3 | M | 106 | 18 | 6 | 138 | 6.9 | 4.5 | 73 | 0.05 | 0.16 | 10.5 | 158 | 5.3 | 113 | --- | 606 | 75 | 2.4 | 1.9 |
| 317 | 3 | M | 107 | 15 | 24 | 116 | 6.7 | 4.4 | 68 | 0.05 | 0.16 | 9.9 | 142 | 4.6 | 109 | --- | 420 | 69 | 2.3 | 1.9 |
| 337 | 3 | M | 109 | 16 | --- | 147 | 6.4 | 4.3 | 60 | 0.05 | 0.16 | 10.4 | 153 | 5.4 | 109 | --- | 580 | 84 | 2.1 | 2.0 |
| 343 | 3 | M | 83 | 20 | 28 | 144 | 6.8 | 4.4 | 73 | 0.09 | 0.27 | 10.7 | 156 | 5.1 | 106 | --- | --- | 79 | 2.4 | 1.8 |
| 345 | 3 | M | 98 | 16 | 16 | 162 | 6.5 | 4.2 | 72 | 0.07 | 0.20 | 10.1 | 150 | 5.6 | 113 | --- | 896 | 72 | 2.3 | 1.8 |
| 351 | 3 | M | 95 | 15 | 20 | 104 | 6.3 | 4.2 | 79 | 0.04 | 0.16 | 10.7 | 157 | 4.7 | 110 | --- | 632 | 60 | 2.1 | 2.0 |
| 363 | 3 | M | 72 | 15 | 20 | 149 | 6.5 | 4.2 | 72 | 0.06 | 0.20 | 10.1 | 157 | 5.3 | 109 | --- | 1198 | 66 | 2.3 | 1.8 |
| 365 | 3 | M | 137 | 16 | 32 | 88 | 6.4 | 4.3 | 64 | 0.06 | 0.18 | 9.6 | 144 | 5.0 | 104 | --- | 672 | 73 | 2.1 | 2.0 |
| 372 | 3 | M | 80 | 15 | 20 | 82 | 6.4 | 4.2 | 70 | 0.06 | 0.20 | 10.6 | 160 | 4.7 | 110 | --- | 566 | 78 | 2.2 | 1.9 |
| 376 | 3 | F | 75 | 16 | 16 | 36 | 5.9 | 4.1 | 99 | 0.04 | 0.11 | 9.2 | 144 | 4.9 | 111 | --- | 606 | 67 | 1.8 | 2.3 |
| 384 | 3 | F | 75 | 15 | 20 | 45 | 6.2 | 4.3 | 115 | 0.05 | 0.18 | 10.2 | 150 | 5.0 | 110 | --- | 962 | 49 | 1.9 | 2.3 |
| 398 | 3 | F | 82 | 15 | 16 | 69 | 6.4 | 4.1 | 109 | 0.06 | 0.19 | 10.0 | 148 | 5.3 | 112 | --- | 750 | 63 | 2.3 | 1.8 |
| 399 | 3 | F | 63 | 17 | 20 | 79 | 6.4 | 4.2 | 111 | 0.11 | 0.37 | 9.8 | 154 | 5.0 | 114 | --- | 1160 | 51 | 2.2 | 1.9 |
| 411 | 3 | F | 97 | 17 | 16 | 32 | 6.3 | 4.3 | 117 | 0.03 | 0.11 | 10.2 | 148 | 5.4 | 112 | --- | 342 | 66 | 2.0 | 2.1 |
| 421 | 3 | F | 90 | 21 | 14 | 89 | 6.6 | 4.2 | 119 | 0.06 | 0.17 | 10.1 | 146 | 5.2 | 113 | --- | 790 | 70 | 2.4 | 1.7 |
| 430 | 3 | F | 87 | 17 | 14 | 34 | 6.2 | 4.3 | 119 | 0.04 | 0.12 | 9.7 | 149 | 5.0 | 111 | --- | 474 | 70 | 1.9 | 2.3 |
| 436 | 3 | F | 84 | 17 | 24 | 101 | 6.5 | 4.1 | 139 | 0.06 | 0.19 | 10.3 | 147 | 4.9 | 108 | --- | 948 | 51 | 2.4 | 1.7 |
| 440 | 3 | F | 97 | 18 | 14 | 44 | 6.9 | 4.7 | 111 | 0.06 | 0.19 | 10.6 | 155 | 5.4 | 112 | --- | 724 | 75 | 2.2 | 2.1 |
| 447 | 3 | F | 82 | 17 | 20 | 43 | 6.0 | 4.0 | 96 | 0.05 | 0.18 | 10.1 | 155 | 4.9 | 110 | --- | 870 | 69 | 2.0 | 2.0 |
| 460 | 4 | M | 104 | 16 | 20 | 110 | 6.5 | 4.1 | 74 | 0.04 | 0.14 | 9.8 | 148 | 5.4 | 108 | --- | 1080 | 78 | 2.4 | 1.7 |
| 465 | 4 | M | 107 | 16 | 14 | 97 | 6.2 | 4.2 | 66 | 0.05 | 0.16 | 10.1 | 148 | 5.2 | 110 | --- | 500 | 78 | 2.0 | 2.1 |
| 469 | 4 | M | 100 | 18 | 16 | 180 | 6.9 | 4.3 | 86 | 0.05 | 0.19 | 10.7 | 148 | 5.1 | 110 | --- | 646 | 72 | 2.6 | 1.7 |
| 471 | 4 | M | 105 | 16 | 24 | 133 | 6.7 | 4.4 | 76 | 0.06 | 0.19 | 10.6 | 151 | 5.4 | 107 | --- | 684 | 81 | 2.3 | 1.9 |
| 479 | 4 | M | 130 | 20 | --- | 149 | 6.5 | 4.4 | 76 | 0.08 | 0.21 | 9.3 | 159 | 5.6 | 112 | --- | 870 | 78 | 2.1 | 2.1 |
| 481 | 4 | M | 105 | 15 | 24 | 111 | 6.7 | 4.5 | 65 | 0.04 | 0.13 | 10.2 | 145 | 4.9 | 106 | --- | 316 | 87 | 2.2 | 2.0 |
| 502 | 4 | M | 85 | 16 | 20 | 41 | 6.2 | 4.1 | 61 | 0.03 | 0.11 | 10.3 | 158 | 5.2 | 112 | --- | 552 | 72 | 2.1 | 2.0 |
| 505 | 4 | M | 81 | 16 | 28 | 95 | 6.4 | 4.2 | 77 | 0.05 | 0.18 | 10.4 | 148 | 5.0 | 107 | --- | 566 | 66 | 2.2 | 1.9 |
| 519 | 4 | M | 117 | 19 | 14 | 211 | 7.2 | 4.6 | 84 | 0.07 | 0.22 | 11.3 | 160 | 5.4 | 107 | --- | 738 | 85 | 2.6 | 1.8 |
| 521 | 4 | M | 74 | 15 | 24 | 86 | 6.3 | 4.2 | 76 | 0.07 | 0.20 | 10.5 | 149 | 4.9 | 109 | --- | 764 | 70 | 2.1 | 2.0 |
| 540 | 4 | F | 76 | 11 | 28 | 44 | 6.2 | 4.2 | 108 | 0.03 | 0.11 | 10.3 | 150 | 4.8 | 112 | --- | 750 | 73 | 2.0 | 2.1 |
| 550 | 4 | F | 96 | 13 | 10 | 41 | 6.6 | 4.4 | 121 | 0.04 | 0.16 | 9.9 | 149 | 4.7 | 109 | --- | 460 | 58 | 2.2 | 2.0 |
| 556 | 4 | F | 87 | 15 | 16 | 55 | 6.3 | 4.1 | 136 | 0.04 | 0.15 | 9.7 | 148 | 5.1 | 112 | --- | 632 | 63 | 2.2 | 1.9 |
| 569 | 4 | F | 91 | 19 | 14 | 41 | 6.5 | 4.3 | 121 | 0.05 | 0.17 | 10.0 | 149 | 5.2 | 107 | --- | 922 | 61 | 2.2 | 2.0 |
| 574 | 4 | F | 76 | 16 | 20 | 31 | 5.9 | 4.1 | 99 | 0.05 | 0.17 | 9.7 | 151 | 4.8 | 110 | --- | 698 | 76 | 1.8 | 2.3 |
| 578 | 4 | F | 66 | 18 | 20 | 35 | 6.0 | 4.0 | 108 | 0.05 | 0.16 | 9.9 | 150 | 4.9 | 109 | --- | 830 | 67 | 2.0 | 2.0 |
| 581 | 4 | F | 98 | 16 | 16 | 35 | 6.5 | 4.4 | 118 | 0.03 | 0.13 | 9.8 | 145 | 4.6 | 110 | --- | 382 | 58 | 2.1 | 2.1 |
| 586 | 4 | F | 84 | 16 | 14 | 47 | 6.4 | 4.4 | 133 | 0.05 | 0.17 | 12.6 | 159 | 4.9 | 114 | --- | 698 | 72 | 2.0 | 2.2 |
| 587 | 4 | F | 81 | 22 | 24 | 97 | 6.7 | 4.3 | 143 | 0.12 | 0.35 | 10.2 | 155 | 5.7 | 111 | --- | 1160 | 60 | 2.4 | 1.8 |
| 593 | 4 | F | 102 | 17 | 10 | 45 | 6.5 | 4.5 | 120 | 0.03 | 0.12 | 10.3 | 148 | 5.2 | 110 | --- | 408 | 58 | 2.0 | 2.3 |

--- = NO AVAILABLE DATA

Table VI.5a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 14

| ANIMAL NO. | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | T PRO g/dl | ALB g/dl | CHOL mg/dl | D BIL mg/dl | T BIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CI MEq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 77 | 17 | 20 | 136 | 7.0 | 4.5 | 102 | 0.06 | 0.19 | 10.5 | 158 | 5.5 | 108 | --- | 1028 | 69 | 2.5 | 1.8 |
| 613 | 5 | M | 87 | 17 | 24 | 122 | 6.8 | 4.4 | 96 | 0.05 | 0.18 | 10.8 | 152 | 4.9 | 108 | --- | 658 | 66 | 2.4 | 1.8 |
| 633 | 5 | M | 103 | 18 | 16 | 212 | 7.3 | 4.4 | 106 | 0.09 | 0.25 | 10.5 | 147 | 5.7 | 110 | --- | 908 | 61 | 2.9 | 1.5 |
| 642 | 5 | M | 108 | 20 | 10 | 161 | 7.6 | 4.8 | 128 | 0.06 | 0.22 | 11.1 | 162 | 6.1 | 107 | --- | 948 | 72 | 2.8 | 1.7 |
| 644 | 5 | M | 113 | 18 | 32 | 86 | 6.8 | 4.5 | 101 | 0.14 | 0.36 | 12.0 | 151 | 6.2 | 115 | --- | 486 | 57 | 2.3 | 2.0 |
| 650 | 5 | M | 115 | 16 | 16 | 116 | 6.9 | 4.5 | 103 | 0.04 | 0.16 | 8.6 | 141 | 5.2 | 109 | --- | 540 | 60 | 2.4 | 1.9 |
| 661 | 5 | M | 92 | 16 | 14 | 135 | 7.5 | 4.6 | 100 | 0.04 | 0.14 | 10.4 | 147 | 5.2 | 107 | --- | 632 | 72 | 2.9 | 1.6 |
| 665 | 5 | M | 104 | 17 | 16 | 105 | 6.8 | 4.4 | 113 | 0.05 | 0.18 | 10.7 | 157 | 5.0 | 108 | --- | 328 | 58 | 2.4 | 1.8 |
| 667 | 5 | M | 93 | 18 | 24 | 221 | 7.3 | 4.7 | 113 | 0.12 | 0.34 | 10.8 | 154 | 5.3 | 105 | --- | --- | 67 | 2.6 | 1.8 |
| 670 | 5 | M | 112 | 17 | --- | 128 | 7.0 | 4.6 | 93 | 0.08 | 0.24 | 10.5 | 159 | 6.1 | 111 | --- | 908 | 75 | 2.4 | 1.9 |
| 683 | 5 | F | 67 | 17 | 20 | 68 | 6.7 | 4.4 | 151 | 0.04 | 0.17 | 10.6 | 153 | 5.2 | 110 | --- | 1000 | 57 | 2.3 | 1.9 |
| 686 | 5 | F | 96 | 15 | 10 | 42 | 6.5 | 4.4 | 144 | 0.03 | 0.12 | 10.4 | 152 | 5.2 | 114 | --- | 382 | 64 | 2.1 | 2.1 |
| 693 | 5 | F | 113 | 14 | --- | 39 | 6.8 | 4.5 | 154 | 0.04 | 0.14 | 10.3 | 158 | 5.0 | 114 | --- | 382 | 72 | 2.3 | 2.0 |
| 701 | 5 | F | 98 | 16 | 16 | 31 | 6.3 | 4.2 | 128 | 0.03 | 0.12 | 9.6 | 147 | 5.1 | 112 | --- | 276 | 57 | 2.1 | 2.0 |
| 703 | 5 | F | 90 | 14 | 14 | 30 | 6.3 | 4.3 | 129 | 0.03 | 0.12 | 9.6 | 142 | 4.9 | 112 | --- | 566 | 69 | 2.0 | 2.1 |
| 707 | 5 | F | 76 | 17 | 20 | 35 | 6.1 | 4.1 | 148 | 0.04 | 0.14 | 10.2 | 157 | 4.9 | 110 | --- | 592 | 55 | 2.0 | 2.1 |
| 726 | 5 | F | 81 | 16 | 16 | 43 | 6.5 | 4.2 | 126 | 0.04 | 0.15 | 9.9 | 150 | 5.3 | 113 | --- | 672 | 66 | 2.3 | 1.8 |
| 731 | 5 | F | 106 | 15 | 14 | 44 | 6.4 | 4.3 | 146 | 0.04 | 0.15 | 9.8 | 149 | 5.7 | 110 | --- | 684 | 87 | 2.1 | 2.0 |
| 733 | 5 | F | 126 | 18 | 14 | 69 | 6.6 | 4.2 | 159 | 0.04 | 0.18 | 9.8 | 149 | 4.9 | 110 | --- | 684 | 60 | 2.4 | 1.7 |
| 736 | 5 | F | 83 | 16 | 20 | 47 | 6.4 | 4.3 | 163 | 0.04 | 0.21 | 10.3 | 153 | 5.1 | 110 | --- | 684 | 67 | 2.1 | 2.0 |

--- = NO AVAILABLE DATA

# Table VI.5b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 26

| ANIMAL NO. | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT Iu/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK Iu/l | LDH Iu/l | APhos Iu/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 123 | 15 | 24 | 157 | 7.1 | 4.6 | 72 | 0.06 | 0.19 | 10.9 | 153 | 5.0 | 103 | 302 | 316 | 58 | 2.5 | 1.8 |
| 32 | 1 | M | 99 | 16 | 24 | 163 | 6.6 | 4.4 | 68 | 0.06 | 0.24 | 10.1 | 153 | 4.9 | 103 | 289 | 526 | 69 | 2.2 | 2.0 |
| 40 | 1 | M | 109 | 16 | 28 | 163 | 6.6 | 4.6 | 62 | 0.06 | 0.22 | 10.2 | 154 | 4.7 | 103 | 137 | 382 | 73 | 2.0 | 2.3 |
| 41 | 1 | M | 88 | 14 | 32 | 135 | 6.9 | 4.6 | 61 | 0.08 | 0.20 | 9.9 | 156 | 5.4 | 102 | 627 | 948 | 63 | 2.3 | 2.0 |
| 43 | 1 | M | 110 | 15 | 28 | 162 | 6.9 | 4.7 | 82 | 0.16 | 0.38 | 10.2 | 148 | 5.4 | 101 | 1338 | 896 | 81 | 2.2 | 2.1 |
| 52 | 1 | M | 108 | 16 | 20 | 93 | 6.7 | 4.5 | 53 | 0.05 | 0.17 | 9.8 | 151 | 4.4 | 104 | 547 | 170 | 61 | 2.2 | 2.0 |
| 53 | 1 | M | 100 | 16 | 20 | 163 | 6.9 | 4.6 | 72 | 0.07 | 0.21 | 10.7 | 150 | 4.9 | 100 | 400 | 830 | 69 | 2.3 | 2.0 |
| 55 | 1 | M | 118 | 14 | 24 | 187 | 7.1 | 4.8 | 72 | 0.06 | 0.25 | 10.1 | 153 | 4.6 | 102 | 222 | 224 | 69 | 2.3 | 2.1 |
| 63 | 1 | M | 97 | 12 | 32 | 168 | 7.0 | 4.7 | 67 | 0.10 | 0.28 | 9.9 | 156 | 5.1 | 102 | 444 | 896 | 60 | 2.3 | 2.0 |
| 73 | 1 | M | 102 | 15 | 24 | 88 | 7.2 | 4.8 | 49 | 0.04 | 0.15 | 10.7 | 154 | 4.8 | 105 | 160 | 394 | 58 | 2.4 | 2.0 |
| 93 | 1 | F | 102 | 23 | 60 | 48 | 6.7 | 4.7 | 105 | 0.09 | 0.24 | 9.8 | 152 | 4.8 | 103 | --- | 856 | 49 | 2.0 | 2.3 |
| 96 | 1 | F | 59 | 19 | 14 | 120 | 7.2 | 4.9 | 124 | 0.13 | 0.32 | 10.7 | 151 | 4.6 | 100 | 1129 | 1028 | 60 | 2.3 | 2.1 |
| 104 | 1 | F | 107 | 16 | 20 | 35 | 6.9 | 4.5 | 115 | 0.01 | 0.04 | 10.1 | 149 | 5.0 | 103 | 311 | 302 | 43 | 2.4 | 1.9 |
| 83 | 1 | F | 102 | 14 | 14 | 34 | 6.2 | 4.5 | 103 | 0.03 | 0.10 | 10.2 | 151 | 4.3 | 105 | 115 | 64 | 60 | 1.7 | 2.6 |
| 126 | 1 | F | 119 | 15 | 20 | 36 | 7.4 | 5.1 | 109 | 0.05 | 0.16 | 10.3 | 149 | 4.7 | 102 | 427 | 276 | 40 | 2.3 | 2.2 |
| 127 | 1 | F | 99 | 14 | 20 | 45 | 7.5 | 4.7 | 128 | 0.03 | 0.14 | 10.8 | 150 | 4.7 | 103 | 128 | 236 | 48 | 2.8 | 1.7 |
| 131 | 1 | F | 99 | 14 | 16 | 38 | 7.1 | 5.0 | 106 | 0.04 | 0.14 | 10.1 | 152 | 4.6 | 107 | 280 | 290 | 66 | 2.1 | 2.4 |
| 135 | 1 | F | 99 | 18 | 16 | 44 | 7.2 | 4.7 | 98 | 0.06 | 0.21 | 10.1 | 157 | 5.1 | 108 | 930 | 698 | 79 | 2.5 | 1.9 |
| 144 | 1 | F | 99 | 14 | 20 | 51 | 7.6 | 5.0 | 122 | 0.04 | 0.14 | 10.2 | 158 | 4.8 | 102 | 186 | 328 | 58 | 2.6 | 1.9 |
| 146 | 1 | F | 123 | 13 | 16 | 48 | 7.1 | 4.4 | 108 | 0.02 | 0.13 | 10.7 | 152 | 4.6 | 105 | 142 | 224 | 43 | 2.7 | 1.6 |
| 160 | 2 | M | 114 | 15 | 32 | 136 | 6.9 | 4.6 | 65 | 0.06 | 0.21 | 10.3 | 157 | 4.7 | 105 | 169 | 382 | 75 | 2.3 | 2.0 |
| 161 | 2 | M | 111 | 18 | 34 | 213 | 6.6 | 4.6 | 70 | 0.13 | 0.35 | 10.0 | 154 | 4.8 | 100 | 444 | 540 | 78 | 2.0 | 2.3 |
| 170 | 2 | M | 115 | 19 | 32 | 146 | 7.2 | 4.5 | 70 | 0.07 | 0.22 | 10.9 | 154 | 4.8 | 102 | 751 | 434 | 72 | 2.7 | 1.7 |
| 181 | 2 | M | 116 | 16 | 24 | 116 | 6.9 | 4.6 | 67 | 0.06 | 0.18 | 10.2 | 153 | 4.6 | 102 | 146 | 262 | 64 | 2.3 | 2.0 |
| 185 | 2 | M | 102 | 14 | 24 | 139 | 6.7 | 4.6 | 58 | 0.06 | 0.21 | 10.3 | 154 | 4.4 | 105 | 115 | 236 | 69 | 2.1 | 2.2 |
| 206 | 2 | M | 137 | 17 | 24 | 188 | 7.3 | 4.4 | 101 | 0.06 | 0.20 | 10.7 | 151 | 4.4 | 102 | 164 | 276 | 69 | 2.9 | 1.5 |
| 212 | 2 | M | 133 | 17 | 32 | 207 | 7.3 | 4.5 | 95 | 0.10 | 0.28 | 10.3 | 153 | 5.2 | 101 | 1294 | 580 | 64 | 2.8 | 1.6 |
| 216 | 2 | M | 126 | 17 | 42 | 194 | 6.9 | 4.6 | 68 | 0.20 | 0.53 | 10.5 | 157 | 5.7 | 104 | 6000 | --- | 73 | 2.3 | 2.0 |
| 217 | 2 | M | 147 | 12 | 66 | 167 | 6.8 | 4.5 | 64 | 0.02 | 0.02 | 9.6 | 152 | 5.5 | 103 | 431 | 1000 | 51 | 2.3 | 2.0 |
| 219 | 2 | M | 170 | 17 | 52 | 144 | 6.8 | 4.4 | 60 | 0.14 | 0.35 | 10.3 | 151 | 5.1 | 102 | 5420 | 1132 | 67 | 2.4 | 1.8 |
| 233 | 2 | F | 89 | 17 | 16 | 81 | 7.4 | 5.1 | 114 | 0.06 | 0.19 | 10.2 | 154 | 5.0 | 101 | 311 | 738 | 48 | 2.3 | 2.2 |
| 248 | 2 | F | 98 | 14 | 16 | 41 | 7.1 | 4.9 | 120 | 0.04 | 0.14 | 10.4 | 156 | 4.9 | 108 | 173 | 302 | 48 | 2.2 | 2.2 |
| 249 | 2 | F | 88 | 11 | 14 | 24 | 5.8 | 4.2 | 90 | 0.06 | 0.21 | 9.6 | 149 | 5.0 | 104 | 240 | 618 | 58 | 1.6 | 2.6 |
| 250 | 2 | F | 86 | 16 | 10 | 64 | 6.6 | 4.6 | 120 | 0.07 | 0.20 | 10.3 | 148 | 4.4 | 102 | 676 | 764 | 75 | 2.0 | 2.3 |
| 252 | 2 | F | 92 | 18 | 16 | 32 | 6.5 | 4.7 | 103 | 0.03 | 0.11 | 10.2 | 151 | 4.7 | 102 | 195 | 354 | 42 | 1.8 | 2.6 |
| 266 | 2 | F | 97 | 16 | 24 | 49 | 6.3 | 4.3 | 105 | 0.13 | 0.32 | 9.8 | 147 | 5.3 | 105 | 3460 | 1000 | 91 | 2.0 | 2.1 |
| 269 | 2 | F | 125 | 17 | 24 | 50 | 7.0 | 4.7 | 102 | 0.13 | 0.30 | 10.0 | 149 | 5.1 | 105 | 2980 | 618 | 42 | 2.3 | 2.0 |
| 272 | 2 | F | 108 | 13 | 16 | 54 | 7.2 | 4.6 | 106 | 0.06 | 0.20 | 10.2 | 148 | 4.8 | 102 | 320 | 342 | 45 | 2.6 | 1.8 |
| 276 | 2 | F | 80 | 13 | 28 | 56 | 6.7 | 4.6 | 104 | 0.13 | 0.38 | 9.6 | 155 | 5.5 | 105 | 4419 | 1186 | 66 | 2.1 | 2.2 |
| 284 | 2 | F | 76 | 19 | 20 | 62 | 7.0 | 4.8 | 105 | 0.06 | 0.22 | 10.5 | 154 | 5.1 | 105 | 1280 | 724 | 63 | 2.2 | 2.2 |

--- = NO AVAILABLE DATA

## Table VI.5b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 26

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CL Meq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 130 | 16 | 28 | 224 | 7.1 | 4.7 | 78 | 0.07 | 0.25 | 10.1 | 159 | 5.3 | 99 | 311 | 610 | 76 | 2.4 | 2.0 |
| 309 | 3 | M | 106 | 16 | 24 | 236 | 6.8 | 4.6 | 83 | 0.17 | 0.39 | 10.6 | 149 | 5.8 | 100 | 2710 | 1278 | 85 | 2.2 | 2.1 |
| 317 | 3 | M | 116 | 15 | 28 | 232 | 7.1 | 4.7 | 91 | 0.09 | 0.30 | 10.4 | 152 | 4.8 | 102 | 266 | 368 | 60 | 2.4 | 2.0 |
| 337 | 3 | M | 107 | 16 | 24 | 153 | 7.0 | 4.7 | 84 | 0.07 | 0.20 | 10.6 | 150 | 5.2 | 100 | 916 | 1132 | 75 | 2.3 | 2.0 |
| 343 | 3 | M | 95 | 17 | 32 | 132 | 7.3 | 4.8 | 74 | 0.05 | 0.18 | 10.3 | 156 | 5.0 | 100 | 262 | 738 | 67 | 2.5 | 1.9 |
| 345 | 3 | M | 106 | 16 | 28 | 139 | 7.2 | 4.6 | 75 | 0.05 | 0.17 | 10.5 | 156 | 5.1 | 104 | 391 | 684 | 72 | 2.6 | 1.8 |
| 351 | 3 | M | 140 | 14 | 32 | 251 | 7.2 | 4.7 | 109 | 0.12 | 0.31 | 10.4 | 149 | 5.0 | 102 | 493 | 302 | 72 | 2.5 | 1.9 |
| 363 | 3 | M | 138 | 16 | 52 | 165 | 7.0 | 4.6 | 63 | 0.04 | 0.13 | 9.8 | 155 | 4.6 | 100 | 378 | 1000 | 58 | 2.4 | 1.9 |
| 365 | 3 | M | 109 | 16 | 32 | 122 | 7.2 | 4.4 | 77 | 0.08 | 0.24 | 10.4 | 154 | 5.5 | 100 | 885 | 592 | 52 | 2.8 | 1.6 |
| 372 | 3 | M | 114 | 18 | 28 | 85 | 7.3 | 4.7 | 74 | 0.04 | 0.15 | 10.3 | 153 | 4.8 | 102 | 200 | 302 | 64 | 2.6 | 1.8 |
| 376 | 3 | F | 96 | 16 | 16 | 40 | 6.4 | 4.7 | 102 | 0.04 | 0.16 | 10.1 | 153 | 4.3 | 104 | 151 | 316 | 61 | 1.7 | 2.8 |
| 384 | 3 | F | 99 | 20 | 20 | 69 | 7.1 | 4.7 | 112 | 0.12 | 0.28 | 9.5 | 151 | 5.1 | 103 | 662 | 724 | 51 | 2.4 | 2.0 |
| 398 | 3 | F | 100 | 14 | 16 | 65 | 7.5 | 5.2 | 114 | 0.04 | 0.15 | 10.7 | 156 | 5.0 | 106 | 284 | 526 | 72 | 2.3 | 2.3 |
| 393 | 3 | F | 71 | 16 | 14 | 101 | 6.9 | 4.9 | 114 | 0.06 | 0.18 | 10.2 | 155 | 4.7 | 100 | 333 | 738 | 66 | 2.0 | 2.4 |
| 411 | 3 | F | 112 | 20 | 16 | 54 | 7.5 | 4.8 | 126 | 0.06 | 0.22 | 10.9 | 152 | 4.8 | 103 | 271 | 448 | 58 | 2.7 | 1.8 |
| 421 | 3 | F | 102 | 15 | 16 | 54 | 6.8 | 4.8 | 92 | 0.07 | 0.20 | 10.3 | 156 | 5.0 | 108 | 1020 | 500 | 69 | 2.0 | 2.4 |
| 430 | 3 | F | 102 | 14 | 16 | 43 | 7.5 | 5.0 | 125 | 0.04 | 0.16 | 10.6 | 146 | 4.4 | 101 | 217 | 394 | 61 | 2.5 | 2.0 |
| 436 | 3 | F | 82 | 16 | 24 | 95 | 6.9 | 4.9 | 127 | 0.08 | 0.25 | 10.3 | 156 | 5.0 | 107 | 970 | 592 | 54 | 2.0 | 2.4 |
| 440 | 3 | F | 92 | 18 | 10 | 65 | 7.5 | 5.2 | 118 | 0.06 | 0.20 | 10.6 | 147 | 4.8 | 100 | 378 | 646 | 73 | 2.3 | 2.3 |
| 447 | 3 | F | 70 | 18 | 24 | 61 | 6.7 | 4.6 | 105 | 0.04 | 0.13 | 9.9 | 155 | 4.4 | 102 | 547 | 724 | 55 | 2.1 | 2.2 |
| 460 | 4 | M | 121 | 17 | 24 | 175 | 7.7 | 4.9 | 87 | 0.08 | 0.27 | 10.6 | 157 | 4.9 | 104 | 1200 | 842 | 75 | 2.8 | 1.7 |
| 465 | 4 | M | 124 | 16 | 20 | 94 | 7.1 | 4.4 | 76 | 0.07 | 0.22 | 10.2 | 153 | 5.4 | 102 | 627 | 526 | 67 | 2.7 | 1.6 |
| 469 | 4 | M | 109 | 18 | 28 | 207 | 7.1 | 4.8 | 81 | 0.07 | 0.22 | 10.2 | 155 | 5.3 | 103 | 1110 | 856 | 66 | 2.3 | 2.1 |
| 471 | 4 | M | 121 | 19 | 46 | 107 | 7.2 | 5.0 | 83 | 0.05 | 0.17 | 11.6 | 151 | 5.2 | 100 | 338 | 672 | 78 | 2.2 | 2.3 |
| 479 | 4 | M | 113 | 17 | 16 | 204 | 7.2 | 4.7 | 85 | 0.08 | 0.21 | 11.0 | 151 | 4.5 | 99 | 556 | 830 | 63 | 2.5 | 1.9 |
| 481 | 4 | M | 110 | 15 | 34 | 104 | 6.9 | 4.7 | 77 | 0.08 | 0.24 | 10.1 | 154 | 5.1 | 104 | --- | 526 | 72 | 2.2 | 2.1 |
| 502 | 4 | M | 111 | 18 | 20 | 88 | 6.S | 4.5 | 68 | 0.06 | 0.21 | 10.1 | 153 | 5.5 | 103 | 533 | 368 | 61 | 2.4 | 1.9 |
| 505 | 4 | M | 104 | 17 | 20 | 114 | 7.2 | 4.8 | 80 | 0.06 | 0.16 | 10.1 | 151 | 4.9 | 99 | 386 | 552 | 55 | 2.4 | 2.0 |
| 519 | 4 | M | 160 | 22 | 50 | 239 | 6.7 | 4.5 | 84 | 0.17 | 0.39 | 10.5 | 154 | 4.6 | 98 | 2890 | 1292 | 79 | 2.2 | 2.0 |
| 521 | 4 | M | 106 | 16 | 24 | 245 | 7.8 | 5.2 | 106 | 0.09 | 0.27 | 10.1 | 152 | 4.8 | 101 | 160 | 408 | 73 | 2.6 | 2.0 |
| 540 | 4 | F | 126 | 15 | 24 | 61 | 6.9 | 4.8 | 112 | 0.05 | 0.13 | 9.6 | 151 | 5.1 | 106 | 333 | 500 | 66 | 2.1 | 2.3 |
| 550 | 4 | F | 104 | 14 | 14 | 46 | 7.3 | 5.2 | 131 | 0.03 | 0.13 | 10.5 | 150 | 4.7 | 96 | 124 | 118 | 45 | 2.1 | 2.5 |
| 556 | 4 | F | 118 | 14 | 20 | 42 | 7.1 | 4.7 | 126 | 0.08 | 0.21 | 10.0 | 152 | 4.9 | 107 | 3060 | 658 | 66 | 2.4 | 2.0 |
| 569 | 4 | F | 83 | 19 | 20 | 48 | 7.3 | 5.0 | 120 | 0.06 | 0.20 | 10.5 | 155 | 5.0 | 106 | 970 | 698 | 45 | 2.3 | 2.2 |
| 574 | 4 | F | 99 | 17 | 20 | 34 | 6.7 | 4.5 | 95 | 0.04 | 0.11 | 9.8 | 150 | 5.2 | 104 | 360 | 474 | 72 | 2.2 | 2.0 |
| 578 | 4 | F | 96 | 20 | 20 | 71 | 6.9 | 4.6 | 112 | 0.04 | 0.12 | 9.9 | 149 | 4.7 | 104 | 213 | 276 | 67 | 2.3 | 2.0 |
| 581 | 4 | F | 134 | 16 | 14 | 46 | 6.6 | 4.5 | 121 | 0.04 | 0.16 | 10.3 | 153 | 5.0 | 104 | 195 | 408 | 51 | 2.1 | 2.1 |
| 586 | 4 | F | 87 | 15 | 14 | 66 | 7.0 | 4.9 | 127 | 0.08 | 0.24 | 10.5 | 149 | 5.1 | 103 | 3860 | 974 | 60 | 2.1 | 2.3 |
| 587 | 4 | F | 83 | 20 | 16 | 97 | 7.1 | 4.8 | 125 | 0.07 | 0.20 | 10.2 | 153 | 4.6 | 100 | 351 | 698 | 49 | 2.3 | 2.1 |
| 593 | 4 | F | 102 | 17 | 20 | 58 | 7.5 | 4.7 | 123 | 0.04 | 0.14 | 10.8 | 148 | 4.4 | 101 | 200 | 354 | 54 | 2.8 | 1.7 |

--- = NO AVAILABLE DATA

# Table VI.5b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 26

| ANIMAL NO | T R GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | T PRO g/dl | ALB g/dl | CHOL mg/dl | D BIL mg/dl | T BIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 117 | 15 | 20 | 202 | 7.5 | 5.0 | 96 | 0.08 | 0.25 | 10.5 | 155 | 5.3 | 102 | 449 | 804 | 61 | 2.5 | 2.0 |
| 613 | 5 | M | 87 | 18 | 32 | 112 | 7.3 | 4.8 | 92 | 0.15 | 0.37 | 10.1 | 152 | 5.9 | 100 | 3330 | 1264 | 70 | 2.5 | 1.9 |
| 633 | 5 | M | 100 | 17 | 24 | 176 | 7.3 | 4.8 | 101 | 0.07 | 0.22 | 10.1 | 157 | 5.3 | 98 | 231 | 552 | 60 | 2.5 | 1.9 |
| 642 | 5 | M | 106 | 18 | 20 | 160 | 8.0 | 5.0 | 125 | 0.22 | 0.52 | 11.0 | 150 | 6.2 | 98 | 3860 | --- | 69 | 3.0 | 1.7 |
| 644 | 5 | M | 129 | 17 | 16 | 107 | 7.6 | 4.7 | 112 | 0.05 | 0.18 | 11.1 | 153 | 4.9 | 100 | 106 | 250 | 49 | 2.9 | 1.6 |
| 650 | 5 | M | 110 | 15 | 20 | 182 | 7.4 | 4.9 | 131 | 0.06 | 0.26 | 10.7 | 155 | 5.1 | 99 | 773 | 500 | 48 | 2.5 | 2.0 |
| 661 | 5 | M | 117 | 17 | 32 | 190 | 7.6 | 4.9 | 97 | 0.12 | 0.38 | 10.3 | 158 | 5.3 | 103 | 2530 | 776 | 73 | 2.7 | 1.8 |
| 665 | 5 | M | 124 | 16 | 16 | 169 | 7.5 | 4.9 | 127 | 0.08 | 0.22 | 10.5 | 149 | 4.7 | 100 | 707 | 420 | 51 | 2.6 | 1.9 |
| 667 | 5 | M | 107 | 13 | 16 | 190 | 7.8 | 5.1 | 124 | 0.07 | 0.22 | 10.6 | 156 | 5.4 | 100 | 200 | 580 | 58 | 2.7 | 1.9 |
| 670 | 5 | M | 152 | 15 | 38 | 179 | 7.3 | 4.8 | 114 | 0.08 | 0.21 | 10.5 | 150 | 4.9 | 100 | 644 | 936 | 57 | 2.5 | 1.9 |
| 683 | 5 | F | 83 | 15 | 14 | 50 | 7.4 | 5.0 | 142 | 0.05 | 0.17 | 10.4 | 154 | 5.1 | 102 | 213 | 526 | 51 | 2.4 | 2.1 |
| 686 | 5 | F | 112 | 16 | 6 | 41 | 7.3 | 5.0 | 144 | 0.04 | 0.15 | 10.2 | 148 | 4.6 | 105 | 133 | 342 | 51 | 2.3 | 2.2 |
| 693 | 5 | F | 89 | 16 | 10 | 54 | 6.8 | 4.8 | 131 | 0.06 | 0.18 | 10.4 | 147 | 5.3 | 101 | 467 | 684 | 61 | 2.0 | 2.4 |
| 701 | 5 | F | 101 | 17 | 16 | 53 | 7.0 | 4.9 | 145 | 0.09 | 0.27 | 10.2 | 155 | 4.8 | 108 | 684 | 354 | 57 | 2.1 | 2.3 |
| 703 | 5 | F | 94 | 19 | 14 | 44 | 6.7 | 4.9 | 103 | 0.06 | 0.21 | 10.3 | 154 | 4.8 | 98 | 329 | 342 | 79 | 1.8 | 2.7 |
| 707 | 5 | F | 131 | 20 | 20 | 44 | 7.1 | 4.8 | 159 | 0.04 | 0.13 | 10.2 | 152 | 4.8 | 104 | 342 | 276 | 55 | 2.3 | 2.1 |
| 726 | 5 | F | 105 | 19 | 14 | 92 | 7.2 | 4.8 | 128 | 0.05 | 0.17 | 10.4 | 159 | 5.5 | 108 | 164 | 342 | 70 | 2.4 | 2.0 |
| 731 | 5 | F | 128 | 17 | 14 | 47 | 7.2 | 4.7 | 156 | 0.06 | 0.15 | 11.2 | 150 | 4.7 | 102 | 498 | 486 | 45 | 2.5 | 1.9 |
| 733 | 5 | F | 97 | 15 | 14 | 53 | 7.3 | 4.8 | 142 | 0.04 | 0.16 | 10.4 | 159 | 5.8 | 105 | 386 | 764 | 52 | 2.5 | 1.9 |
| 736 | 5 | F | 110 | 19 | 24 | 48 | 7.2 | 4.8 | 151 | 0.07 | 0.20 | 9.7 | 155 | 5.1 | 104 | 5110 | 988 | 57 | 2.4 | 2.0 |

--- = NO AVAILABLE DATA

Table VI.5c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

| ANIMAL NO. | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | T PRO g/dl | ALB g/dl | CHOL mg/dl | D BIL mg/dl | T BIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 119 | 12 | 123 | 103 | 6.6 | 4.2 | 92 | 0.05 | 0.18 | 10.1 | 143 | 4.6 | 107 | 169 | 329 | --- | 2.4 | 1.7 |
| 32 | 1 | M | 121 | 14 | 69 | 187 | 6.7 | 4.0 | 92 | 0.06 | 0.19 | 10.7 | 145 | 4.7 | 110 | 191 | --- | --- | 2.7 | 1.5 |
| 40 | 1 | M | 112 | 16 | 100 | 180 | 6.9 | 4.2 | 82 | 0.07 | 0.19 | 11.3 | 144 | 4.5 | 108 | 169 | --- | --- | 2.7 | 1.6 |
| 41 | 1 | M | 115 | 14 | 56 | 64 | 6.4 | 3.9 | 66 | 0.06 | 0.17 | 10.2 | 143 | 5.0 | 112 | 373 | 553 | 52 | 2.5 | 1.6 |
| 43 | 1 | M | 125 | 14 | 64 | 179 | 6.8 | 4.2 | 104 | 0.06 | 0.20 | 10.4 | 137 | 4.7 | 108 | 680 | 323 | --- | 2.6 | 1.6 |
| 52 | 1 | M | 121 | 15 | 72 | 63 | 6.3 | 3.9 | 76 | 0.03 | 0.08 | 10.8 | 144 | 4.4 | 108 | 53 | --- | --- | 2.4 | 1.6 |
| 53 | 1 | M | 114 | 13 | 97 | 119 | 7.0 | 4.2 | 95 | 0.04 | 0.16 | 10.2 | 147 | 4.9 | 109 | 275 | 520 | --- | 2.8 | 1.5 |
| 55 | 1 | M | 131 | 15 | 59 | 147 | 6.9 | 4.2 | 89 | 0.05 | 0.11 | 11.3 | 145 | 4.2 | 109 | 48 | --- | --- | 2.7 | 1.6 |
| 63 | 1 | M | 107 | 12 | 72 | 149 | 6.5 | 3.9 | 81 | 0.06 | 0.17 | 10.3 | 144 | 4.4 | 108 | 106 | 224 | 61 | 2.6 | 1.5 |
| 73 | 1 | M | 107 | 14 | 69 | 70 | 6.6 | 3.8 | 86 | 0.06 | 0.18 | 10.7 | 145 | 4.9 | 106 | 409 | 290 | 58 | 2.8 | 1.4 |
| 93 | 1 | F | 108 | 18 | 43 | 37 | 6.9 | 4.4 | 102 | 0.04 | 0.11 | 11.0 | 141 | 5.1 | 109 | 88 | 197 | 34 | 2.5 | 1.8 |
| 96 | 1 | F | 83 | 15 | 36 | 108 | 7.0 | 4.4 | 116 | 0.04 | 0.13 | 10.2 | 146 | 4.9 | 110 | 253 | 375 | --- | 2.6 | 1.7 |
| 101 | 1 | F | 104 | 15 | 54 | 45 | 7.4 | 4.7 | 117 | 0.06 | 0.42 | 10.9 | 137 | 4.3 | 106 | 440 | 191 | 46 | 2.7 | 1.7 |
| 83 | 1 | F | 117 | 14 | 41 | 92 | 6.9 | 4.4 | 130 | 0.06 | 0.18 | 9.4 | 137 | 4.8 | 110 | 511 | 276 | --- | 2.5 | 1.8 |
| 126 | 1 | F | 99 | 18 | 36 | 38 | 6.7 | 4.3 | 105 | 0.04 | 0.10 | 10.9 | 135 | 3.6 | 105 | 35 | 52 | 34 | 2.4 | 1.8 |
| 127 | 1 | F | 108 | 12 | 41 | 46 | 7.3 | 4.8 | 145 | 0.03 | 0.11 | 10.5 | 144 | 4.3 | 106 | 71 | 112 | --- | 2.5 | 1.9 |
| 131 | 1 | F | 114 | 13 | 41 | 52 | 7.5 | 4.8 | 129 | 0.04 | 0.09 | 10.9 | 145 | 4.4 | 109 | --- | --- | --- | 2.7 | 1.8 |
| 135 | 1 | F | 82 | 12 | 69 | 72 | 6.8 | 4.3 | 131 | 0.04 | 0.14 | 10.2 | 148 | 4.8 | 113 | 231 | --- | --- | 2.5 | 1.7 |
| 144 | 1 | F | 83 | 13 | 38 | 70 | 7.2 | 4.7 | 145 | 0.03 | 0.12 | 11.0 | 144 | 4.6 | 113 | 173 | --- | --- | 2.5 | 1.9 |
| 146 | 1 | F | 110 | 17 | 51 | 50 | 6.8 | 4.4 | 133 | 0.03 | 0.11 | 10.3 | 144 | 4.2 | 106 | 88 | 125 | --- | 2.4 | 1.8 |
| 160 | 2 | M | 110 | 11 | 77 | 198 | 7.1 | 4.2 | 95 | 0.06 | 0.19 | 11.4 | 145 | 4.7 | 110 | 360 | --- | --- | 2.9 | 1.4 |
| 161 | 2 | M | 111 | 14 | 84 | 281 | 6.8 | 4.1 | 91 | 0.09 | 0.23 | 10.9 | 146 | 4.5 | 120 | 386 | --- | --- | 2.7 | 1.5 |
| 170 | 2 | M | 120 | 20 | 66 | 162 | 6.8 | 4.3 | 105 | 0,05 | 0.19 | 10.5 | 146 | 4.6 | 105 | 120 | 296 | --- | 2.5 | 1.7 |
| 181 | 2 | M | 125 | 14 | 66 | 53 | 6.5 | 4.0 | 66 | 0.09 | 0.15 | 10.6 | 140 | 4.7 | 108 | 262 | 230 | 61 | 2.5 | 1.6 |
| 185 | 2 | M | 128 | 15 | 141 | 127 | 6.8 | 4.2 | 85 | 0.07 | 0.19 | 11.0 | 147 | 4.7 | 110 | --- | --- | --- | 2.6 | 1.6 |
| 206 | 2 | M | 156 | 13 | 141 | 119 | 6.9 | 4.1 | 139 | 0.05 | 0.19 | 10.3 | 146 | 4.7 | 107 | 120 | --- | --- | 2.8 | 1.5 |
| 212 | 2 | M | 116 | 13 | 144 | 127 | 6.5 | 4.2 | 105 | 0.05 | 0.16 | 10.3 | 146 | 4.6 | 107 | 93 | 250 | --- | 2.3 | 1.8 |
| 216 | 2 | M | 107 | 12 | 92 | 136 | 7.1 | 4.2 | 95 | 0.09 | 0.27 | 10.7 | 149 | 5.6 | --- | --- | --- | --- | 2.9 | 1.4 |
| 217 | 2 | M | 124 | 14 | 66 | 155 | 6.7 | 3.9 | 100 | 0.07 | 0.20 | 11.1 | 143 | 4.5 | 107 | 115 | 184 | 60 | 2.8 | 1.4 |
| 219 | 2 | M | 122 | 16 | 92 | 156 | 6.8 | 4.1 | 100 | 0.07 | 0.21 | 11.1 | 143 | 5.0 | 109 | 235 | 164 | 67 | 2.7 | 1.5 |
| 233 | 2 | F | 86 | 17 | 38 | 86 | 7.4 | 4.6 | 102 | 0.05 | 0.17 | 11.1 | 142 | 5.2 | 106 | 177 | 329 | 34 | 2.8 | 1.6 |
| 248 | 2 | F | 97 | 12 | 43 | 67 | 7.6 | 4.8 | 154 | 0.03 | 0.13 | 11.1 | 144 | 4.5 | 110 | 120 | 120 | --- | 2.8 | 1.7 |
| 249 | 2 | F | 103 | 14 | 41 | 48 | 6.9 | 4.5 | 139 | 0.05 | 0.18 | 10.3 | 146 | 5.6 | --- | 409 | 349 | --- | 2.4 | 1.9 |
| 250 | 2 | F | 100 | 14 | 38 | 67 | 7.1 | 4.5 | 134 | 0.03 | 0.14 | 10.2 | 145 | 5.1 | 108 | 293 | 329 | --- | 2.6 | 1.7 |
| 252 | 2 | F | 116 | 14 | 38 | 41 | 6.7 | 4.2 | 104 | 0.06 | 0.13 | 10.6 | 143 | 4.8 | 110 | 80 | 171 | 36 | 2.5 | 1.7 |
| 266 | 2 | F | 90 | 16 | 46 | 49 | 7.2 | 4.5 | 117 | 0.03 | 0.13 | 10.1 | 146 | 4.8 | 108 | 151 | 362 | --- | 2.7 | 1.7 |
| 269 | 2 | F | 116 | 16 | 48 | 69 | 7.0 | 4.3 | 113 | 0.07 | 0.16 | 10.9 | 137 | 4.0 | 107 | 40 | 52 | 46 | 2.7 | 1.6 |
| 272 | 2 | F | 91 | 12 | 43 | 38 | 6.9 | 4.7 | 111 | 0.04 | 0.14 | 10.6 | 134 | 4.7 | 104 | 191 | 309 | --- | 2.2 | 2.1 |
| 276 | 2 | F | 76 | 21 | 59 | 141 | 7.3 | 4.6 | 160 | 0.06 | 0.20 | 10.8 | 146 | 5.3 | 110 | --- | --- | --- | 2.7 | 1.7 |
| 284 | 2 | F | 75 | 23 | 64 | 92 | 7.3 | 4.6 | 155 | 0.04 | 0.14 | 11.2 | 148 | 4.4 | 108 | 186 | --- | --- | 2.7 | 1.7 |

--- = NO AVAILABLE DATA

Table VI.5c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CL mEq/l | CPK IU/l | LDH IU/l | APhos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 105 | 12 | 115 | 272 | 7.0 | 4.2 | 102 | 0.07 | 0.23 | 11.0 | 146 | 4.7 | 112 | 177 | --- | --- | 2.8 | 1.5 |
| 309 | 3 | M | 113 | 13 | 51 | 333 | 7.3 | 4.4 | 135 | 0.08 | 0.23 | 10.6 | 148 | 5.1 | 110 | 124 | 329 | --- | 2.9 | 1.5 |
| 317 | 3 | M | 204 | 15 | 128 | 245 | 7.1 | 4.2 | 130 | 0.15 | 0.36 | 11.3 | 147 | 5.0 | 109 | 489 | --- | --- | 2.9 | 1.4 |
| 337 | 3 | M | 121 | 13 | 74 | 149 | 6.8 | 4.3 | 99 | 0.05 | 0.18 | 10.2 | 147 | 5.2 | 108 | 409 | 586 | --- | 2.5 | 1.7 |
| 343 | 3 | M | 112 | 15 | 74 | 144 | 7.1 | 4.1 | 84 | 0.07 | 0.24 | 10.9 | 144 | 4.5 | 107 | 231 | 428 | 72 | 3.0 | 1.4 |
| 345 | 3 | M | 103 | 11 | 92 | 159 | 7.2 | 4.3 | 119 | 0.05 | 0.18 | 11.2 | 152 | 5.0 | 113 | 484 | --- | --- | 2.9 | 1.5 |
| 351 | 3 | M | 131 | 13 | 66 | 156 | 6.6 | 3.8 | 110 | 0.05 | 0.15 | 10.6 | 136 | 4.4 | 107 | 66 | 118 | 55 | 2.8 | 1.4 |
| 363 | 3 | M | 123 | 15 | 97 | 206 | 7.0 | 4.1 | 109 | 0.07 | 0.20 | 10.8 | 145 | 4.6 | 106 | 262 | 388 | 70 | 2.9 | 1.4 |
| 365 | 3 | M | 121 | 12 | 61 | 132 | 6.3 | 4.1 | 108 | 0.04 | 0.14 | 10.1 | 143 | 4.9 | 106 | 284 | 369 | --- | 2.2 | 1.9 |
| 372 | 3 | M | 122 | 14 | 79 | 91 | 6.7 | 3.9 | 92 | 0.05 | 0.15 | 10.8 | 137 | 4.5 | 108 | 200 | 290 | 61 | 2.8 | 1.4 |
| 376 | 3 | F | 100 | 20 | 43 | 61 | 6.8 | 4.3 | 133 | 0.03 | 0.11 | 11.0 | 143 | 4.5 | 110 | 146 | --- | --- | 2.5 | 1.7 |
| 384 | 3 | F | 124 | 18 | 38 | 63 | 7.0 | 4.4 | 124 | 0.05 | 0.15 | 10.7 | 144 | 4.3 | 110 | 355 | 243 | 37 | 2.6 | 1.7 |
| 398 | 3 | F | 100 | 15 | 77 | 125 | 8.2 | 5.1 | 161 | 0.07 | 0.20 | 11.6 | 148 | 4.7 | 110 | --- | --- | --- | 3.1 | 1.6 |
| 399 | 3 | F | 80 | 15 | 38 | 55 | 7.5 | 4.7 | 115 | 0.05 | 0.18 | 10.8 | 144 | 4.3 | 108 | 146 | 217 | 34 | 2.8 | 1.7 |
| 411 | 3 | F | 96 | 13 | 48 | 37 | 6.7 | 4.5 | 127 | 0.04 | 0.15 | 10.1 | 147 | 5.0 | 110 | 431 | 316 | --- | 2.2 | 2.0 |
| 421 | 3 | F | 97 | 13 | 43 | 156 | 7.3 | 4.6 | 120 | 0.07 | 0.21 | 10.8 | 145 | 5.5 | 112 | --- | --- | --- | 2.7 | 1.7 |
| 430 | 3 | F | 106 | 14 | 59 | 41 | 7.4 | 5.1 | 135 | 0.02 | 0.13 | 10.3 | 133 | 4.1 | 104 | 102 | 164 | --- | 2.3 | 2.2 |
| 436 | 3 | F | 88 | 15 | 64 | 97 | 7.3 | 4.6 | 149 | 0.05 | 0.19 | 10.9 | 149 | 5.0 | 113 | --- | --- | --- | 2.7 | 1.7 |
| 440 | 3 | F | 71 | 24 | 36 | 79 | 7.7 | 4.9 | 150 | 0.05 | 0.18 | 10.9 | 146 | 4.7 | 106 | 124 | 283 | --- | 2.8 | 1.7 |
| 447 | 3 | F | 98 | 18 | 46 | 51 | 7.3 | 4.5 | 109 | 0.04 | 0.14 | 10.6 | 144 | 4.5 | 106 | 169 | 290 | 39 | 2.8 | 1.6 |
| 460 | 4 | M | 110 | 23 | 87 | 144 | 7.0 | 4.2 | 102 | 0.09 | 0.28 | 10.6 | 148 | 5.4 | 110 | --- | --- | --- | 2.8 | 1.5 |
| 465 | 4 | M | 99 | 14 | 56 | 80 | 6.3 | 3.9 | 109 | 0.03 | 0.14 | 10.2 | 135 | 4.5 | 106 | 151 | 263 | --- | 2.4 | 1.6 |
| 469 | 4 | M | 113 | 13 | 61 | 220 | 7.4 | 4.3 | 160 | 0.06 | 0.19 | 11.2 | 148 | 5.0 | 112 | 280 | --- | --- | 3.1 | 1.4 |
| 471 | 4 | M | 133 | 15 | 72 | 136 | 7.0 | 4.3 | 138 | 0.05 | 0.20 | 10.5 | 138 | 4.3 | 106 | 222 | 191 | --- | 2.7 | 1.6 |
| 479 | 4 | M | 104 | 13 | 69 | 140 | 6.6 | 4.1 | 107 | 0.05 | 0.18 | 10.3 | 141 | 4.8 | 106 | 400 | 441 | --- | 2.5 | 1.6 |
| 481 | 4 | M | 122 | 15 | 61 | 99 | 6.9 | 4.0 | 104 | 0.06 | 0.19 | 11.1 | 145 | 5.2 | 108 | 124 | --- | --- | 2.9 | 1.4 |
| 502 | 4 | M | 115 | 13 | 51 | 56 | 6.7 | 3.9 | 80 | 0.05 | 0.11 | 10.9 | 138 | 4.1 | 109 | 57 | 85 | 55 | 2.8 | 1.4 |
| 505 | 4 | M | 114 | 14 | 77 | 162 | 6.7 | 3.9 | 106 | 0.06 | 0.18 | 10.7 | 146 | 4.5 | 109 | 142 | 250 | 58 | 2.8 | 1.4 |
| 519 | 4 | M | 118 | 14 | 162 | 236 | 7.2 | 4.1 | 158 | 0.06 | 0.20 | 10.5 | 148 | 4.9 | 108 | 146 | 309 | --- | 3.1 | 1.3 |
| 521 | 4 | M | 116 | 15 | 48 | 117 | 7.0 | 4.1 | 97 | 0.05 | 0.17 | 11.1 | 144 | 4.9 | 109 | 364 | 243 | 58 | 2.9 | 1.4 |
| 540 | 4 | F | 106 | 13 | 51 | 40 | 7.0 | 4.2 | 117 | 0.03 | 0.11 | 10.6 | 145 | 4.6 | 110 | 169 | 125 | 54 | 2.8 | 1.5 |
| 550 | 4 | F | 107 | 15 | 28 | 53 | 7.3 | 4.7 | 169 | 0.03 | 0.14 | 10.7 | 134 | 4.3 | 105 | 200 | 98 | --- | 2.6 | 1.8 |
| 556 | 4 | F | 123 | 9 | 33 | 33 | 7.5 | 4.7 | 143 | 0.02 | 0.10 | 10.9 | 148 | 4.6 | 114 | 298 | --- | --- | 2.8 | 1.7 |
| 569 | 4 | F | 84 | 16 | 54 | 72 | 8.0 | 5.1 | 177 | 0.04 | 0.16 | 11.4 | 149 | 5.0 | 112 | --- | --- | --- | 2.9 | 1.8 |
| 574 | 4 | F | 96 | 18 | 43 | 50 | 6.9 | 4.3 | 108 | 0.08 | 0.21 | 10.9 | 144 | 4.8 | 109 | 151 | 210 | 39 | 2.6 | 1.7 |
| 578 | 4 | F | 89 | 19 | 46 | 37 | 7.0 | 4.4 | 134 | 0.04 | 0.11 | 11.0 | 143 | 4.2 | 106 | 102 | 171 | 42 | 2.6 | 1.7 |
| 581 | 4 | F | 107 | 17 | 48 | 44 | 7.3 | 4.5 | 141 | 0.06 | 0.16 | 10.8 | 142 | 4.6 | 108 | --- | --- | --- | 2.8 | 1.6 |
| 586 | 4 | F | 78 | 16 | 43 | 39 | 6.8 | 4.4 | 140 | 0.02 | 0.10 | 9.9 | 147 | 4.4 | 110 | 244 | 237 | --- | 2.4 | 1.8 |
| 587 | 4 | F | 118 | 16 | 46 | 67 | 7.5 | 4.6 | 146 | 0.05 | 0.17 | 10.7 | 140 | 4.6 | 108 | 151 | 303 | 42 | 2.9 | 1.6 |
| 593 | 4 | F | 97 | 14 | 41 | 45 | 7.0 | 4.7 | 157 | 0.03 | 0.11 | 10.3 | 135 | 4.5 | 106 | 155 | 263 | --- | 2.3 | 2.0 |

--- = NO AVAILABLE DATA

Table VI.5c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 52

| ANIMAL NO. | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | T PRO g/dl | ALB g/dl | CHOL mg/dl | D BIL mg/dl | T BIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | A PHOS IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 114 | 15 | 48 | 182 | 7.2 | 4.0 | 104 | 0.05 | 0.20 | 10.8 | 143 | 4.6 | 107 | 186 | 316 | 58 | 3.2 | 1.3 |
| 613 | 5 | M | 111 | 16 | 48 | 102 | 7.0 | 4.1 | 106 | 0.05 | 0.18 | 10.8 | 142 | 4.6 | 108 | 284 | 323 | 55 | 2.9 | 1.4 |
| 633 | 5 | M | 116 | 14 | 74 | 150 | 7.1 | 4.0 | 135 | 0.06 | 0.21 | 10.9 | 146 | 5.1 | 108 | --- | --- | --- | 3.1 | 1.3 |
| 642 | 5 | M | 108 | 20 | 56 | 146 | 7.2 | 4.3 | 141 | 0.06 | 0.22 | 10.5 | 149 | 5.4 | 108 | 1258 | 606 | --- | 2.9 | 1.5 |
| 644 | 5 | M | 138 | 18 | 79 | 117 | 7.0 | 4.4 | 139 | 0.05 | 0.18 | 10.6 | 144 | 4.5 | 104 | 57 | 158 | --- | 2.6 | 1.7 |
| 650 | 5 | M | 104 | 16 | 56 | 141 | 6.8 | 4.0 | 142 | 0.08 | 0.22 | 11.0 | 147 | 5.0 | 108 | --- | --- | --- | 2.8 | 1.4 |
| 661 | 5 | M | 149 | 13 | 74 | 160 | 7.5 | 4.3 | 148 | 0.06 | 0.20 | 11.0 | 144 | 4.8 | 110 | --- | --- | --- | 3.2 | 1.3 |
| 665 | 5 | M | 130 | 16 | 54 | 169 | 6.8 | 3.9 | 133 | 0.10 | 0.27 | 10.6 | 141 | 4.9 | 108 | 791 | 500 | 60 | 2.9 | 1.3 |
| 667 | 5 | M | 101 | 16 | 43 | 189 | 7.1 | 4.1 | 117 | 0.07 | 0.21 | 11.1 | 142 | 4.8 | 106 | 315 | 402 | 51 | 3.0 | 1.4 |
| 670 | 5 | M | 110 | 14 | 51 | 176 | 7.2 | 4.3 | 152 | 0.06 | 0.18 | 10.6 | 140 | 4.6 | 107 | 320 | 243 | --- | 2.9 | 1.5 |
| 683 | 5 | F | 92 | 18 | 38 | 44 | 7.5 | 4.6 | 146 | 0.04 | 0.15 | 10.8 | 139 | 4.6 | 106 | 133 | 224 | 40 | 2.9 | 1.6 |
| 686 | 5 | F | 105 | 17 | 28 | 64 | 8.0 | 4.9 | 196 | 0.04 | 0.16 | 11.3 | 136 | 4.2 | 106 | 80 | 85 | --- | 3.1 | 1.6 |
| 693 | 5 | F | 107 | 16 | 38 | 79 | 8.0 | 5.0 | 177 | 0.06 | 0.18 | 11.2 | 145 | 5.5 | 107 | 711 | 323 | --- | 3.0 | 1.7 |
| 701 | 5 | F | 125 | 13 | 36 | 40 | 7.0 | 4.3 | 164 | 0.03 | 0.11 | 11.0 | 144 | 4.6 | 109 | 342 | --- | --- | 2.7 | 1.6 |
| 703 | 5 | F | 108 | 19 | 43 | 63 | 7.7 | 4.6 | 164 | 0.04 | 0.12 | 11.3 | 145 | 4.5 | 112 | --- | --- | --- | 3.1 | 1.5 |
| 707 | 5 | F | 86 | 16 | 41 | 39 | 6.2 | 3.9 | 132 | 0.04 | 0.11 | 10.5 | 139 | 4.2 | 108 | 164 | 177 | 48 | 2.3 | 1.7 |
| 726 | 5 | F | 89 | 16 | 43 | 84 | 7.8 | 4.6 | 177 | 0.04 | 0.14 | 11.0 | 145 | 4.9 | 111 | 266 | --- | --- | 3.2 | 1.4 |
| 731 | 5 | F | 102 | 19 | 38 | 57 | 7.4 | 4.7 | 190 | 0.04 | 0.15 | 10.5 | 136 | 4.4 | 108 | 551 | 184 | --- | 2.7 | 1.7 |
| 733 | 5 | F | 88 | 24 | 33 | 44 | 7.6 | 4.6 | 194 | 0.03 | 0.13 | 10.9 | 149 | 4.7 | 114 | 298 | --- | --- | 3.0 | 1.5 |
| 736 | 5 | F | 89 | 20 | 77 | 68 | 7.5 | 4.4 | 160 | 0.04 | 0.14 | 10.8 | 142 | 4.7 | 107 | 169 | 270 | 70 | 3.1 | 1.4 |

--- = NO AVAILABLE DATA

## Table VI.5d

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CL mEq/l | CPK IU/l | LDH IU/l | APHOS IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 102 | 18 | 20 | 143 | 4.9 | 3.1 | 78 | 0.07 | 0.22 | 9.3 | 142 | 5.1 | 104 | 289 | --- | --- | 1.8 | 1.7 |
| 32 | 1 | M | 141 | 16 | 118 | 235 | 7.1 | 4.1 | 192 | 0.11 | 0.85 | 11.4 | 151 | 4.4 | 110 | 71 | --- | --- | 3.0 | 1.4 |
| 40 | 1 | M | 134 | 14 | 79 | 318 | 7.2 | 4.2 | 141 | 0.17 | 0.30 | 11.2 | 146 | 4.4 | 104 | 88 | --- | --- | 3.0 | 1.4 |
| 41 | 1 | M | 136 | 13 | 43 | 196 | 6.8 | 4.1 | 126 | 0.08 | 0.25 | 10.0 | 144 | 4.7 | 99 | 53 | --- | --- | 2.7 | 1.5 |
| 43 | 1 | M | 128 | 14 | 41 | 157 | 6.6 | 4.0 | 154 | 0.06 | 0.19 | 10.2 | 145 | 5.1 | 104 | 62 | --- | --- | 2.6 | 1.5 |
| 52 | 1 | M | 123 | 14 | 41 | 136 | 6.4 | 4.1 | 113 | 0.09 | 0.18 | 10.9 | 144 | 4.7 | 105 | 48 | --- | --- | 2.3 | 1.8 |
| 53 | 1 | M | 131 | 13 | 56 | 221 | 6.9 | 4.2 | 148 | 0.10 | 0.28 | 10.5 | 145 | 4.3 | 104 | 93 | --- | --- | 2.7 | 1.6 |
| 55 | 1 | M | 130 | 14 | 36 | 154 | 6.9 | 4.3 | 115 | 0.09 | 0.24 | 10.9 | 145 | 4.5 | 106 | 93 | --- | --- | 2.6 | 1.7 |
| 63 | 1 | M | 107 | 12 | 48 | 268 | 6.5 | 3.8 | 176 | 0.13 | 0.37 | 10.4 | 145 | 4.6 | 98 | 2005 | --- | --- | 2.7 | 1.4 |
| 73 | 1 | M | 86 | 14 | 36 | 163 | 6.5 | 3.8 | 119 | 0.08 | 0.25 | 10.2 | 147 | 4.7 | 100 | 62 | --- | --- | 2.7 | 1.4 |
| 83 | 1 | F | 124 | 14 | 38 | 275 | 6.5 | 4.4 | 126 | 0.13 | 0.37 | 10.3 | 140 | 4.4 | 104 | 120 | --- | --- | 2.1 | 2.1 |
| 93 | 1 | F | 99 | 18 | 33 | 170 | 6.8 | 4.9 | 125 | 0.08 | 0.22 | 10.6 | 143 | 4.1 | 100 | 88 | --- | --- | 1.9 | 2.6 |
| 96 | 1 | F | 114 | 14 | 41 | 134 | 7.0 | 4.5 | 126 | 0.06 | 0.20 | 9.7 | 142 | 4.7 | 105 | 200 | --- | --- | 2.5 | 1.8 |
| 104 | 1 | F | 114 | 14 | 30 | 139 | 6.7 | 4.6 | 122 | 0.07 | 0.22 | 10.2 | 142 | 4.7 | 102 | 649 | --- | --- | 2.1 | 2.2 |
| 126 | 1 | F | 98 | 13 | 28 | 95 | 7.4 | 5.2 | 159 | 0.09 | 0.25 | 10.9 | 143 | 4.4 | 100 | 53 | --- | --- | 2.2 | 2.4 |
| 127 | 1 | F | 98 | 14 | 41 | 89 | 6.9 | 4.3 | 146 | 0.07 | 0.21 | 10.3 | 140 | 4.6 | 103 | 266 | --- | --- | 2.6 | 1.7 |
| 131 | 1 | F | 114 | 14 | 38 | 93 | 7.3 | 4.6 | 140 | 0.09 | 0.18 | 10.5 | 143 | 4.5 | 104 | 164 | --- | --- | 2.7 | 1.7 |
| 135 | 1 | F | 116 | 12 | 46 | 108 | 7.8 | 4.8 | 160 | 0.09 | 0.19 | 10.7 | 143 | 4.8 | 108 | 182 | --- | --- | 3.0 | 1.6 |
| 144 | 1 | F | 95 | 13 | 36 | 106 | 7.0 | 4.6 | 123 | 0.08 | 0.14 | 10.9 | 148 | 4.4 | 111 | 80 | --- | --- | 2.4 | 1.9 |
| 146 | 1 | F | 95 | 13 | 41 | 50 | 6.5 | 4.3 | 129 | 0.06 | 0.18 | 10.2 | 140 | 4.3 | 103 | 75 | --- | --- | 2.2 | 2.0 |
| 160 | 2 | M | 112 | 14 | 36 | 124 | 6.8 | 4.3 | 133 | 0.14 | 0.39 | 11.3 | 152 | 5.8 | 110 | 253 | --- | --- | 2.5 | 1.7 |
| 161 | 2 | M | 122 | 11 | 82 | 228 | 7.0 | 4.3 | 127 | 0.11 | 0.24 | 11.0 | 147 | 4.7 | 104 | 204 | --- | --- | 2.7 | 1.6 |
| 170 | 2 | M | 102 | 12 | 30 | 81 | 6.5 | 4.2 | 101 | 0.06 | 0.22 | 10.1 | 142 | 4.3 | 102 | 44 | --- | --- | 2.3 | 1.8 |
| 181 | 2 | M | 111 | 14 | 33 | 92 | 6.7 | 4.4 | 186 | 0.06 | 0.24 | 10.4 | 143 | 4.4 | 102 | 182 | --- | --- | 2.3 | 1.9 |
| 185 | 2 | M | 115 | 12 | 46 | 295 | 6.8 | 3.8 | 194 | 0.13 | 0.24 | 10.9 | 146 | 5.0 | 103 | 658 | --- | --- | 3.0 | 1.3 |
| 206 | 2 | M | 157 | 19 | 28 | 227 | 7.2 | 3.8 | 235 | 0.08 | 0.26 | 10.7 | 145 | 4.3 | 102 | 71 | --- | --- | 3.4 | 1.1 |
| 212 | 2 | M | 110 | 11 | 46 | 157 | 6.7 | 4.3 | 151 | 0.06 | 0.21 | 10.4 | 144 | 4.4 | 104 | 62 | --- | --- | 2.4 | 1.8 |
| 216 | 2 | M | 108 | 15 | 56 | 475 | 7.6 | 4.1 | 206 | 0.22 | 0.36 | 11.2 | 147 | 4.7 | 106 | 115 | --- | --- | 3.5 | 1.2 |
| 217 | 2 | M | 124 | 13 | 38 | 226 | 6.5 | 3.8 | 183 | 0.10 | 0.29 | 10.1 | 144 | 4.6 | 100 | 71 | --- | --- | 2.7 | 1.4 |
| 219 | 2 | M | 114 | 15 | 36 | 322 | 6.7 | 3.9 | 159 | 0.11 | 0.31 | 10.4 | 145 | 4.6 | 102 | 404 | --- | --- | 2.8 | 1.4 |
| 233 | 2 | F | 99 | 15 | 36 | 187 | 7.2 | 4.6 | 120 | 0.09 | 0.29 | 10.3 | 143 | 4.5 | 100 | 115 | --- | --- | 2.6 | 1.8 |
| 248 | 2 | F | 123 | 13 | 36 | 71 | 7.1 | 4.5 | 139 | 0.07 | 0.15 | 10.7 | 147 | 4.4 | 108 | 71 | --- | --- | 2.6 | 1.7 |
| 249 | 2 | F | 125 | 13 | 38 | 55 | 6.9 | 4.6 | 147 | 0.05 | 0.18 | 10.1 | 142 | 4.0 | 102 | 1436 | --- | --- | 2.3 | 2.0 |
| 250 | 2 | F | 123 | 12 | 36 | 92 | 7.0 | 4.6 | 125 | 0.06 | 0.20 | 10.2 | 141 | 4.0 | 102 | 155 | --- | --- | 2.4 | 1.9 |
| 252 | 2 | F | 126 | 12 | 30 | 64 | 6.9 | 5.0 | 124 | 0.06 | 0.20 | 9.9 | 144 | 4.4 | 102 | 320 | --- | --- | 1.9 | 2.6 |
| 266 | 2 | F | 158 | 12 | 36 | 68 | 6.3 | 4.4 | 91 | 0.05 | 0.19 | 10.2 | 143 | 5.0 | 104 | 142 | --- | --- | 1.9 | 2.3 |
| 269 | 2 | F | 116 | 13 | 30 | 117 | 6.9 | 4.7 | 124 | 0.06 | 0.17 | 10.6 | 143 | 4.5 | 103 | 88 | --- | --- | 2.2 | 2.1 |
| 272 | 2 | F | 119 | 19 | 36 | 117 | 6.6 | 4.3 | 111 | 0.09 | 0.25 | 9.8 | 139 | 4.8 | 104 | 151 | --- | --- | 2.3 | 1.9 |
| 276 | 2 | F | 108 | 16 | 30 | 256 | 7.1 | 4.4 | 131 | 0.13 | 0.27 | 10.5 | 144 | 4.3 | 108 | 240 | --- | --- | 2.7 | 1.6 |
| 284 | 2 | F | 106 | 17 | 33 | 240 | 7.6 | 4.9 | 144 | 0.16 | 0.32 | 11.4 | 143 | 4.6 | 107 | 88 | --- | --- | 2.7 | 1.8 |

--- = NO AVAILABLE DATA

Table VI.5d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CL Meq/l | CPK IU/l | LDH IU/l | APHOS IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 115 | 13 | 38 | 285 | 7.1 | 4.3 | 123 | 0.17 | 0.32 | 11.1 | 151 | 5.2 | 108 | 88 | --- | --- | 2.8 | 1.5 |
| 309 | 3 | M | 135 | 13 | 36 | 355 | 6.9 | 4.0 | 225 | 0.13 | 0.34 | 10.4 | 143 | 4.5 | 104 | 173 | --- | --- | 2.9 | 1.4 |
| 317 | 3 | M | 133 | 16 | 38 | 327 | 7.3 | 4.1 | 205 | 0.16 | 0.27 | 11.5 | 145 | 4.5 | 104 | 120 | --- | --- | 3.2 | 1.3 |
| 326 | 3 | M | 132 | 14 | 46 | 337 | 6.8 | 4.3 | 149 | 0.13 | 0.40 | 10.2 | 144 | 4.3 | 104 | 689 | --- | --- | 2.5 | 1.7 |
| 343 | 3 | M | 117 | 17 | 66 | 170 | 6.8 | 4.2 | 118 | 0.11 | 0.37 | 10.2 | 151 | 4.9 | 104 | 2236 | --- | --- | 2.6 | 1.6 |
| 345 | 3 | M | 111 | 16 | 59 | 64 | 6.3 | 4.1 | 152 | 0.06 | 0.17 | 10.6 | 158 | 4.5 | 114 | 80 | --- | --- | 2.2 | 1.9 |
| 351 | 3 | M | 104 | 36 | 326 | 774 | 5.4 | 3.3 | 338 | 1.93 | 7.78 | 11.3 | 148 | 4.1 | 109 | 191 | --- | --- | 2.1 | 1.6 |
| 363 | 3 | M | 120 | 13 | 66 | 121 | 6.6 | 4.1 | 147 | 0.09 | 0.33 | 10.2 | 144 | 4.3 | 100 | 88 | --- | --- | 2.5 | 1.6 |
| 365 | 3 | M | 114 | 14 | 33 | 83 | 6.3 | 3.8 | 148 | 0.05 | 0.19 | 10.2 | 144 | 4.4 | 102 | 93 | --- | --- | 2.5 | 1.5 |
| 372 | 3 | M | 129 | 11 | 30 | 193 | 6.6 | 4.1 | 205 | 0.08 | 0.24 | 10.2 | 142 | 4.5 | 102 | 62 | --- | --- | 2.5 | 1.6 |
| 376 | 3 | F | 130 | 16 | 41 | 86 | 7.1 | 4.6 | 130 | 0.06 | 0.16 | 10.6 | 144 | 4.3 | 126 | 48 | --- | --- | 2.5 | 1.8 |
| 381 | 3 | F | 103 | 13 | 36 | 103 | 5.5 | 3.9 | 90 | 0.07 | 0.20 | 9.4 | 141 | 4.8 | 102 | 355 | --- | --- | 1.6 | 2.4 |
| 398 | 3 | F | 111 | 14 | 33 | 135 | 7.2 | 4.6 | 121 | 0.10 | 0.20 | 10.8 | 154 | 4.7 | 112 | 222 | --- | --- | 2.6 | 1.8 |
| 399 | 3 | F | 94 | 16 | 51 | 79 | 6.8 | 4.4 | 116 | 0.07 | 0.26 | 9.7 | 145 | 4.7 | 101 | 315 | --- | --- | 2.4 | 1.8 |
| 411 | 3 | F | 123 | 14 | 38 | 58 | 6.1 | 4.0 | 117 | 0.04 | 0.15 | 10.1 | 142 | 4.0 | 104 | 244 | --- | --- | 2.1 | 1.9 |
| 421 | 3 | F | 104 | 18 | 56 | 109 | 8.3 | 5.2 | 162 | 0.09 | 0.17 | 11.6 | 153 | 4.6 | 112 | 231 | --- | --- | 3.1 | 1.7 |
| 430 | 3 | F | 108 | 23 | 36 | 107 | 7.4 | 5.0 | 173 | 0.06 | 0.19 | 10.1 | 140 | 4.2 | 104 | 333 | --- | --- | 2.4 | 2.1 |
| 436 | 3 | F | 115 | 16 | 56 | 88 | 7.4 | 4.7 | 145 | 0.10 | 0.20 | 10.9 | 146 | 4.9 | 110 | 164 | --- | --- | 2.7 | 1.7 |
| 440 | 3 | F | 147 | 15 | 33 | 167 | 7.5 | 5.0 | 135 | 0.09 | 0.30 | 10.9 | 141 | 4.8 | 102 | 115 | --- | --- | 2.5 | 2.0 |
| 447 | 3 | F | 84 | 14 | 30 | 89 | 6.8 | 4.3 | 130 | 0.06 | 0.21 | 9.7 | 142 | 4.5 | 97 | 289 | --- | --- | 2.5 | 1.7 |
| 460 | 4 | M | 124 | 15 | 41 | 324 | 7.3 | 4.3 | 149 | 0.20 | 0.37 | 10.9 | 145 | 5.0 | 106 | 315 | --- | --- | 3.0 | 1.4 |
| 465 | 4 | M | 108 | 22 | 28 | 257 | 6.2 | 3.5 | 229 | 0.10 | 0.28 | 10.2 | 144 | 5.0 | 102 | 106 | --- | --- | 2.7 | 1.3 |
| 469 | 4 | M | 92 | 16 | 36 | 189 | 6.8 | 3.8 | 242 | 0.12 | 0.23 | 10.8 | 148 | 4.6 | 110 | 796 | --- | --- | 3.0 | 1.3 |
| 471 | 4 | M | 122 | 14 | 41 | 59 | 6.2 | 4.0 | 188 | 0.04 | 0.18 | 9.8 | 143 | 4.2 | 105 | 404 | --- | --- | 2.2 | 1.8 |
| 479 | 4 | M | 149 | 19 | 28 | 247 | 6.8 | 4.2 | 145 | 0.09 | 0.27 | 10.6 | 146 | 5.2 | 107 | 373 | --- | --- | 2.6 | 1.6 |
| 481 | 4 | M | 126 | 15 | 43 | 128 | 6.7 | 4.1 | 158 | 0.08 | 0.26 | 11.0 | 145 | 4.9 | 106 | 80 | --- | --- | 2.6 | 1.6 |
| 502 | 4 | M | 93 | 12 | 43 | 113 | 6.9 | 4.4 | 109 | 0.10 | 0.30 | 10.6 | 144 | 4.8 | 100 | 711 | --- | --- | 2.5 | 1.8 |
| 505 | 4 | M | 105 | 14 | 46 | 281 | 6.6 | 4.3 | 165 | 0.12 | 0.34 | 10.9 | 148 | 5.1 | 102 | 591 | --- | --- | 2.3 | 1.9 |
| 519 | 4 | M | 107 | 15 | 28 | 342 | 6.9 | 4.1 | 227 | 0.11 | 0.35 | 10.6 | 145 | 4.5 | 102 | 44 | --- | --- | 2.8 | 1.5 |
| 521 | 4 | M | 105 | 16 | 46 | 220 | 6.8 | 4.3 | 146 | 0.09 | 0.28 | 10.5 | 146 | 5.1 | 100 | 80 | --- | --- | 2.5 | 1.7 |
| 540 | 4 | F | 107 | 16 | 33 | 94 | 7.2 | 4.5 | 166 | 0.06 | 0.20 | 9.9 | 145 | 4.3 | 101 | 137 | --- | --- | 2.7 | 1.7 |
| 550 | 4 | F | 139 | 13 | 30 | 130 | 6.8 | 4.7 | 130 | 0.08 | 0.26 | 10.4 | 141 | 4.6 | 103 | 195 | --- | --- | 2.1 | 2.2 |
| 556 | 4 | F | 121 | 16 | 36 | 93 | 7.3 | 4.6 | 156 | 0.07 | 0.15 | 10.9 | 153 | 4.9 | 112 | 124 | --- | --- | 2.7 | 1.7 |
| 569 | 4 | F | 114 | 16 | 38 | 79 | 7.3 | 4.8 | 146 | 0.06 | 0.18 | 10.8 | 145 | 4.5 | 109 | 280 | --- | --- | 2.5 | 1.9 |
| 574 | 4 | F | 84 | 16 | 33 | 79 | 7.2 | 4.8 | 149 | 0.05 | 0.16 | 10.4 | 145 | 4.0 | 100 | 57 | --- | --- | 2.4 | 2.0 |
| 578 | 4 | F | 110 | 16 | 38 | 84 | 6.8 | 4.6 | 152 | 0.08 | 0.28 | 10.4 | 144 | 5.1 | 102 | 169 | --- | --- | 2.2 | 2.1 |
| 581 | 4 | F | 105 | 16 | 30 | 107 | 7.4 | 4.7 | 136 | 0.09 | 0.20 | 11.1 | 142 | 4.5 | 104 | 102 | --- | --- | 2.7 | 1.7 |
| 586 | 4 | F | 139 | 14 | 33 | 48 | 7.0 | 4.5 | 139 | 0.04 | 0.20 | 9.7 | 143 | 4.4 | 102 | 217 | --- | --- | 2.5 | 1.8 |
| 587 | 4 | F | 91 | 14 | 33 | 119 | 6.6 | 4.3 | 148 | 0.07 | 0.22 | 9.5 | 143 | 4.4 | 98 | 542 | --- | --- | 2.3 | 1.9 |
| 593 | 4 | F | 116 | 14 | 36 | 87 | 7.5 | 5.0 | 164 | 0.06 | 0.17 | 10.5 | 142 | 4.4 | 102 | 146 | --- | --- | 2.5 | 2.0 |

--- = NO AVAILABLE DATA

# Table VI.5d (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 78

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | APhos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 114 | 18 | 30 | 258 | 6.5 | 3.8 | 165 | 0.09 | 0.27 | 10.0 | 144 | 4.5 | 98 | 240 | --- | --- | 2.7 | 1.4 |
| 613 | 5 | M | 82 | 19 | 30 | 211 | 6.2 | 3.7 | 187 | 0.08 | 0.26 | 9.9 | 144 | 4.1 | 99 | 435 | --- | --- | 2.5 | 1.5 |
| 629 | 5 | M | 113 | 16 | 30 | 91 | 6.9 | 4.2 | 140 | 0.08 | 0.19 | 11.3 | 152 | 4.8 | 109 | 75 | --- | --- | 2.7 | 1.6 |
| 642 | 5 | M | 104 | 15 | 25 | 166 | 6.7 | 4.1 | 173 | 0.08 | 0.30 | 10.1 | 145 | 4.6 | 102 | 124 | --- | --- | 2.6 | 1.6 |
| 644 | 5 | M | 104 | 14 | 23 | 186 | 6.5 | 3.9 | 163 | 0.08 | 0.24 | 10.4 | 143 | 4.5 | 104 | 106 | --- | --- | 2.6 | 1.5 |
| 650 | 5 | M | 135 | 18 | 43 | 146 | 6.8 | 4.0 | 224 | 0.10 | 0.28 | 11.2 | 150 | 6.1 | 106 | 422 | --- | --- | 2.8 | 1.4 |
| 661 | 5 | M | 109 | 17 | 38 | 257 | 7.6 | 4.3 | 161 | 0.13 | 0.23 | 11.5 | 153 | 4.7 | 110 | 75 | --- | --- | 3.3 | 1.3 |
| 665 | 5 | M | 107 | 18 | 30 | 153 | 6.4 | 4.1 | 191 | 0.07 | 0.23 | 10.6 | 144 | 4.2 | 101 | 93 | --- | --- | 2.3 | 1.8 |
| 667 | 5 | M | 102 | 21 | 38 | 286 | 6.7 | 3.8 | 241 | 0.09 | 0.27 | 10.1 | 145 | 4.6 | 98 | 133 | --- | --- | 2.9 | 1.3 |
| 670 | 5 | M | 120 | 18 | 30 | 353 | 6.6 | 3.8 | 204 | 0.12 | 0.34 | 10.3 | 144 | 4.8 | 104 | 137 | --- | --- | 2.8 | 1.4 |
| 683 | 5 | F | 89 | 18 | 28 | 57 | 7.1 | 4.6 | 176 | 0.05 | 0.17 | 10.1 | 143 | 5.0 | 99 | 151 | --- | --- | 2.5 | 1.8 |
| 686 | 5 | F | 119 | 19 | 38 | 75 | 7.2 | 4.9 | 182 | 0.05 | 0.21 | 10.6 | 143 | 4.1 | 104 | 57 | --- | --- | 2.3 | 2.1 |
| 693 | 5 | F | 118 | 16 | 38 | 114 | 8.7 | 5.4 | 193 | 0.09 | 0.30 | 11.2 | 140 | 4.5 | 101 | 1478 | --- | --- | 3.3 | 1.6 |
| 701 | 5 | F | 125 | 21 | 33 | 51 | 7.9 | 4.9 | 187 | 0.04 | 0.15 | 11.0 | 146 | 4.2 | 106 | 97 | --- | --- | 3.0 | 1.6 |
| 703 | 5 | F | 122 | 20 | 36 | 72 | 7.8 | 4.8 | 174 | 0.05 | 0.16 | 11.3 | 145 | 4.3 | 104 | 128 | --- | --- | 3.0 | 1.6 |
| 707 | 5 | F | 91 | 15 | 36 | 52 | 7.3 | 4.9 | 191 | 0.06 | 0.18 | 10.7 | 143 | 4.3 | 100 | 48 | --- | --- | 2.4 | 2.0 |
| 726 | 5 | F | 101 | 20 | 36 | 175 | 7.9 | 4.9 | 213 | 0.12 | 0.24 | 11.7 | 151 | 4.6 | 107 | 71 | --- | --- | 3.0 | 1.6 |
| 731 | 5 | F | 135 | 17 | 30 | 46 | 7.3 | 4.8 | 172 | 0.04 | 0.15 | 10.7 | 142 | 4.4 | 104 | 44 | --- | --- | 2.5 | 1.9 |
| 733 | 5 | F | 93 | 21 | 33 | 112 | 7.9 | 4.8 | 204 | 0.08 | 0.20 | 11.3 | 145 | 5.0 | 106 | 186 | --- | --- | 3.1 | 1.5 |
| 736 | 5 | F | 87 | 20 | 46 | 87 | 7.6 | 5.0 | 192 | 0.05 | 0.20 | 10.4 | 144 | 4.4 | 98 | 80 | --- | --- | 2.6 | 1.9 |

--- = NO AVAILABLE DATA

## Table VI.5e

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 104

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 124 | 16 | 25 | 60 | 5.9 | 3.5 | 149 | 0.04 | 0.16 | 10.2 | 148 | 4.8 | 109 | 31 | --- | --- | 2.4 | 1.5 |
| 10 | 1 | M | 90 | 21 | 43 | 108 | 6.1 | 3.6 | 132 | 0.10 | 0.28 | 10.6 | 140 | 4.5 | 106 | 231 | --- | --- | 2.5 | 1.4 |
| 33 | 1 | M | 102 | 24 | 36 | 212 | 6.4 | 3.6 | 194 | 0.09 | 0.26 | 10.1 | 144 | 5.1 | 109 | 195 | --- | --- | 2.8 | 1.3 |
| 35 | 1 | M | 101 | 23 | 43 | 314 | 6.6 | 3.7 | 185 | --- | --- | 11.2 | 144 | 4.7 | 112 | 57 | --- | --- | 2.9 | 1.3 |
| 37 | 1 | M | 115 | 15 | 33 | 347 | 6.9 | 4.0 | 146 | 0.14 | 0.30 | 11.2 | 139 | 4.7 | 106 | 93 | --- | --- | 2.9 | 1.4 |
| 41 | 1 | M | 132 | 11 | 36 | 65 | 7.1 | 4.4 | 110 | --- | --- | 10.8 | 145 | 5.1 | 112 | 146 | --- | --- | 2.7 | 1.6 |
| 43 | 1 | M | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 52 | 1 | M | 102 | 20 | 30 | 175 | 5.9 | 3.7 | 148 | 0.09 | 0.19 | 11.0 | 140 | 3.9 | 108 | 31 | --- | --- | 2.2 | 1.7 |
| 55 | 1 | M | 86 | 15 | 36 | 170 | 6.5 | 3.7 | 167 | 0.10 | 0.22 | 11.2 | 138 | 4.8 | 110 | 111 | --- | --- | 2.8 | 1.3 |
| 73 | 1 | M | 117 | 21 | 25 | 116 | 6.8 | 4.0 | 197 | --- | --- | 11.5 | 142 | 4.6 | 110 | 80 | --- | --- | 2.8 | 1.4 |
| 83 | 1 | F | 120 | 15 | 33 | 153 | 7.3 | 4.6 | 111 | 0.07 | 0.18 | 10.8 | 142 | 4.2 | 111 | 26 | --- | --- | 2.7 | 1.7 |
| 93 | 1 | F | 84 | 17 | 48 | 317 | 7.7 | 3.9 | 317 | --- | --- | 11.2 | 140 | 4.1 | 105 | 57 | --- | --- | 3.8 | 1.0 |
| 96 | 1 | F | 115 | 16 | 38 | 123 | 8.3 | 4.8 | 203 | 0.06 | 0.13 | 10.5 | 144 | 4.5 | 108 | 257 | --- | --- | 3.5 | 1.4 |
| 104 | 1 | F | 128 | 12 | 33 | 88 | 7.6 | 4.6 | 149 | --- | --- | 10.7 | 135 | 4.4 | 109 | 44 | --- | --- | 3.0 | 1.5 |
| 126 | 1 | F | 102 | 14 | 38 | 114 | 7.1 | 4.3 | 137 | --- | --- | 11.1 | 143 | 4.1 | 110 | 35 | --- | --- | 2.8 | 1.5 |
| 127 | 1 | F | 124 | 14 | 46 | 79 | 7.1 | 4.3 | 160 | 0.04 | 0.13 | 10.5 | 147 | 4.6 | 110 | 53 | --- | --- | 2.8 | 1.5 |
| 131 | 1 | F | 110 | 18 | 36 | 246 | 7.2 | 4.5 | 149 | 0.09 | 0.19 | 11.4 | 139 | 4.1 | 108 | 124 | --- | --- | 2.7 | 1.7 |
| 135 | 1 | F | 97 | 12 | 43 | 262 | 8.5 | 4.7 | 178 | 0.19 | 0.36 | 11.3 | 138 | 4.6 | 103 | 556 | --- | --- | 3.8 | 1.2 |
| 144 | 1 | F | 99 | 15 | 41 | 99 | 7.2 | 4.4 | 133 | 0.07 | 0.17 | 10.9 | 142 | 3.7 | 106 | 106 | --- | --- | 2.8 | 1.6 |
| 146 | 1 | F | 122 | 14 | 51 | 53 | 6.7 | 4.4 | 145 | 0.04 | 0.14 | 10.4 | 143 | 4.3 | 108 | 48 | --- | --- | 2.3 | 1.9 |
| 170 | 2 | M | 112 | 14 | 36 | 52 | 6.5 | 4.0 | 144 | 0.06 | 0.26 | 10.1 | 150 | 4.4 | 110 | 71 | --- | --- | 2.5 | 1.6 |
| 175 | 2 | M | 87 | 22 | 30 | 166 | 8.4 | 4.3 | 231 | --- | --- | 11.5 | 140 | 4.8 | 109 | 44 | --- | --- | 4.1 | 1.0 |
| 185 | 2 | M | 81 | 14 | 59 | 33 | 5.9 | 3.5 | 85 | 0.05 | 0.13 | 10.9 | 141 | 4.7 | 110 | 88 | --- | --- | 2.4 | 1.5 |
| 186 | 2 | M | 96 | 20 | 30 | 386 | 6.3 | 3.5 | 215 | 0.18 | 0.31 | 11.3 | 139 | 4.5 | 109 | 75 | --- | --- | 2.8 | 1.2 |
| 198 | 2 | M | 97 | 17 | 66 | 60 | 6.2 | 3.7 | 167 | 0.09 | 0.33 | 10.3 | 143 | 4.5 | 108 | 298 | --- | --- | 2.5 | 1.5 |
| 202 | 2 | M | 90 | 28 | 23 | 378 | 6.4 | 3.2 | 318 | 0.13 | 0.24 | 11.8 | 140 | 4.3 | 108 | 80 | --- | --- | 3.2 | 1.0 |
| 216 | 2 | M | 40 | 62 | 162 | 21 | 5.3 | 3.1 | 203 | 0.06 | 0.20 | 10.3 | 152 | 3.9 | 117 | 200 | --- | --- | 2.2 | 1.4 |
| 217 | 2 | M | 101 | 24 | 38 | 535 | 6.6 | 3.3 | 443 | --- | --- | 11.2 | 142 | 3.8 | 109 | 80 | --- | --- | 3.3 | 1.0 |
| 219 | 2 | M | 116 | 14 | 33 | 308 | 6.7 | 3.8 | 299 | --- | --- | 11.3 | 144 | 4.7 | 112 | 769 | --- | --- | 2.9 | 1.3 |
| 221 | 2 | M | 104 | 20 | 64 | 68 | 6.4 | 3.6 | 156 | 0.10 | 0.37 | 10.3 | 147 | 5.2 | 113 | 128 | --- | --- | 2.8 | 1.3 |
| 233 | 2 | F | 77 | 13 | 48 | 59 | 7.4 | 4.5 | 103 | --- | --- | 10.7 | 143 | 5.1 | 112 | 173 | --- | --- | 2.9 | 1.6 |
| 238 | 2 | F | 119 | 13 | 28 | 252 | 7.5 | 4.4 | 147 | 0.09 | 0.21 | 11.3 | 140 | 4.2 | 106 | 35 | --- | --- | 3.1 | 1.4 |
| 249 | 2 | F | 124 | 20 | 54 | 55 | 6.9 | 4.4 | 169 | 0.05 | 0.20 | 10.4 | 147 | 4.2 | 111 | 133 | --- | --- | 2.5 | 1.8 |
| 252 | 2 | F | 132 | 14 | 92 | 55 | 7.7 | 4.8 | 128 | --- | --- | 10.3 | 143 | 4.3 | 111 | 66 | --- | --- | 2.9 | 1.7 |
| 266 | 2 | F | 127 | 19 | 48 | 74 | 7.5 | 4.7 | 110 | 0.06 | 0.16 | 10.4 | 143 | 5.0 | 109 | 1209 | --- | --- | 2.8 | 1.7 |
| 269 | 2 | F | 119 | 15 | 43 | 83 | 7.2 | 4.3 | 129 | --- | --- | 10.7 | 136 | 4.0 | 108 | 26 | --- | --- | 2.9 | 1.5 |
| 272 | 2 | F | 108 | 12 | 74 | 67 | 7.5 | 4.6 | 118 | 0.04 | 0.15 | 10.4 | 139 | 4.4 | 107 | 88 | --- | --- | 2.9 | 1.6 |
| 276 | 2 | F | 84 | 18 | 41 | 296 | 7.6 | 4.5 | 161 | 0.12 | 0.24 | 10.9 | 139 | 4.2 | 108 | 137 | --- | --- | 3.1 | 1.5 |
| 284 | 2 | F | 80 | 15 | 38 | 435 | 7.9 | 4.5 | 177 | 0.18 | 0.33 | 11.3 | 141 | 4.3 | 106 | 146 | --- | --- | 3.4 | 1.3 |
| 293 | 2 | F | 116 | 21 | 46 | 114 | 7.4 | 5.0 | 103 | 0.04 | 0.14 | 10.8 | 142 | 4.5 | 112 | 329 | --- | --- | 2.4 | 2.1 |

--- = NO AVAILABLE DATA

300

# Table VI.5e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 104

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | TPRO g/dl | ALB g/dl | CHOL mg/dl | DBIL mg/dl | TBIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | CI Meq/l | CPK IU/l | LDH IU/l | APhos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 3 | M | 116 | 16 | 48 | 110 | 7.0 | 4.1 | 112 | 0.10 | 0.29 | 11.1 | 143 | 5.1 | 109 | 235 | --- | --- | 2.9 | 1.4 |
| 308 | 3 | M | 101 | 18 | 30 | 441 | 6.9 | 3.8 | 159 | 0.14 | 0.33 | 10.5 | 142 | 4.7 | 110 | 48 | --- | --- | 3.1 | 1.2 |
| 313 | 3 | M | 95 | 15 | 43 | 172 | 6.8 | 4.1 | 114 | --- | --- | 10.9 | 144 | 5.0 | 112 | 244 | --- | --- | 2.7 | 1.5 |
| 315 | 3 | M | 75 | 25 | 33 | 174 | 6.8 | 3.6 | 267 | --- | --- | 11.0 | 143 | 4.4 | 110 | 62 | --- | --- | 3.2 | 1.1 |
| 323 | 3 | M | 59 | 112 | 290 | 100 | 5.9 | 3.6 | 202 | --- | --- | 11.0 | 159 | 6.2 | 129 | 1508 | --- | --- | 2.3 | 1.6 |
| 345 | 3 | M | 101 | 40 | 92 | 34 | 5.6 | 3.4 | 194 | 0.07 | 0.22 | 10.1 | 148 | 4.2 | 112 | 137 | --- | --- | 2.2 | 1.5 |
| 360 | 3 | M | 102 | 15 | 33 | 159 | 6.7 | 3.6 | 146 | 0.10 | 0.26 | 10.9 | 138 | 4.4 | 106 | 44 | --- | --- | 3.1 | 1.2 |
| 365 | 3 | M | 93 | 28 | 56 | 92 | 6.2 | 3.2 | 200 | 0.09 | 0.33 | 10.4 | 144 | 4.7 | 113 | 289 | --- | --- | 3.0 | 1.1 |
| 368 | 3 | M | 114 | 19 | 33 | 264 | 6.7 | 3.8 | 176 | 0.10 | 0.34 | 10.7 | 145 | 4.3 | 109 | 57 | --- | --- | 2.9 | 1.3 |
| 375 | 3 | M | 112 | 23 | 33 | 223 | 6.4 | 3.1 | 222 | --- | --- | 10.9 | 141 | 5.0 | 113 | 75 | --- | --- | 3.3 | 0.9 |
| 376 | 3 | F | 144 | 14 | 41 | 59 | 6.9 | 4.4 | 123 | 0.04 | 0.12 | 10.8 | 141 | 4.6 | 108 | 62 | --- | --- | 2.5 | 1.8 |
| 384 | 3 | F | 118 | 13 | 41 | 37 | 6.9 | 4.3 | 93 | --- | --- | 10.7 | 142 | 4.9 | 114 | 338 | --- | --- | 2.6 | 1.7 |
| 390 | 3 | F | 109 | 13 | 30 | 59 | 6.7 | 4.2 | 152 | 0.04 | 0.14 | 10.5 | 145 | 4.7 | 108 | 35 | --- | --- | 2.5 | 1.7 |
| 398 | 3 | F | 115 | 16 | 43 | 133 | 7.3 | 4.5 | 120 | 0.10 | 0.22 | 10.9 | 143 | 4.4 | 108 | 111 | --- | --- | 2.8 | 1.6 |
| 403 | 3 | F | 105 | 13 | 54 | 105 | 7.6 | 4.6 | 161 | --- | --- | 10.9 | 144 | 4.8 | 117 | 2814 | --- | --- | 3.0 | 1.5 |
| 421 | 3 | F | 136 | 14 | 33 | 81 | 7.7 | 4.7 | 111 | 0.05 | 0.14 | 11.1 | 140 | 4.1 | 109 | 44 | --- | --- | 3.0 | 1.6 |
| 430 | 3 | F | 102 | 14 | 36 | 81 | 8.0 | 5.0 | 193 | 0.04 | 0.13 | 10.9 | 143 | 4.7 | 104 | 177 | --- | --- | 3.0 | 1.7 |
| 436 | 3 | F | 133 | 12 | 33 | 79 | 7.1 | 4.4 | 120 | 0.06 | 0.16 | 10.7 | 140 | 4.2 | 110 | 102 | --- | --- | 2.7 | 1.6 |
| 440 | 3 | F | 125 | 25 | 92 | 115 | 7.5 | 4.6 | 99 | 0.06 | 0.27 | 10.8 | 144 | 5.0 | 118 | 115 | --- | --- | 2.9 | 1.6 |
| 447 | 3 | F | 85 | 16 | 54 | 124 | 8.7 | 5.4 | 160 | --- | --- | 11.7 | 141 | 4.4 | 107 | 231 | --- | --- | 3.3 | 1.6 |
| 453 | 4 | M | 94 | 22 | 28 | 128 | 7.0 | 3.9 | 116 | 0.10 | 0.24 | 10.7 | 142 | 4.6 | 108 | 244 | --- | --- | 3.1 | 1.3 |
| 477 | 4 | M | 97 | 29 | 20 | 458 | 6.0 | 3.2 | 214 | 0.17 | 0.28 | 11.0 | 138 | 3.9 | 109 | 26 | --- | --- | 2.8 | 1.1 |
| 501 | 4 | M | 94 | 23 | 36 | 127 | 6.4 | 3.0 | 508 | 0.13 | 0.34 | 10.8 | 144 | 4.7 | 105 | 84 | --- | --- | 3.4 | 0.9 |
| 502 | 4 | M | 79 | 23 | 30 | 116 | 6.7 | 3.6 | 196 | --- | --- | 11.0 | 141 | 4.5 | 112 | 40 | --- | --- | 3.1 | 1.2 |
| 504 | 4 | M | 101 | 28 | 28 | 199 | 6.7 | 3.6 | 237 | --- | --- | 10.4 | 143 | 4.3 | 111 | 80 | --- | --- | 3.1 | 1.2 |
| 519 | 4 | M | 46 | 60 | 100 | 97 | 5.4 | 3.1 | 121 | 0.09 | 0.25 | 10.5 | 148 | 4.5 | 108 | 106 | --- | --- | 2.3 | 1.3 |
| 520 | 4 | M | 89 | 32 | 28 | 385 | 6.5 | 3.3 | 259 | 0.15 | 0.26 | 11.5 | 143 | 4.4 | 109 | 53 | --- | --- | 3.2 | 1.0 |
| 521 | 4 | M | 116 | 19 | 33 | 73 | 6.8 | 4.1 | 166 | --- | --- | 10.9 | 143 | 4.4 | 112 | 53 | --- | --- | 2.7 | 1.5 |
| 524 | 4 | M | 108 | 24 | 25 | 223 | 6.1 | 3.4 | 225 | 0.07 | 0.20 | 10.7 | 147 | 4.4 | 108 | 31 | --- | --- | 2.7 | 1.3 |
| 525 | 4 | M | 106 | 13 | 48 | 42 | 6.3 | 3.5 | 81 | 0.04 | 0.12 | 10.1 | 147 | 5.0 | 117 | 48 | --- | --- | 2.8 | 1.2 |
| 540 | 4 | F | 142 | 14 | 48 | 65 | 7.6 | 4.7 | 166 | --- | --- | 10.7 | 142 | 4.2 | 113 | 391 | --- | --- | 2.9 | 1.6 |
| 550 | 4 | F | 121 | 16 | 30 | 64 | 7.0 | 4.3 | 152 | 0.04 | 0.12 | 10.7 | 141 | 3.9 | 107 | 22 | --- | --- | 2.7 | 1.6 |
| 556 | 4 | F | 143 | 14 | 30 | 99 | 7.6 | 4.4 | 154 | 0.06 | 0.16 | 11.1 | 141 | 4.8 | 109 | 75 | --- | --- | 3.2 | 1.4 |
| 569 | 4 | F | 98 | 19 | 46 | 102 | 7.9 | 4.8 | 138 | 0.07 | 0.18 | 10.3 | 141 | 4.3 | 108 | 169 | --- | --- | 3.1 | 1.5 |
| 574 | 4 | F | 124 | 16 | 25 | 44 | 7.2 | 4.2 | 105 | --- | --- | 11.1 | 144 | 3.0 | 102 | 62 | --- | --- | 3.0 | 1.4 |
| 578 | 4 | F | 113 | 18 | 64 | 84 | 8.2 | 4.9 | 161 | --- | --- | 11.4 | 142 | 4.3 | 108 | 62 | --- | --- | 3.3 | 1.5 |
| 581 | 4 | F | 119 | 44 | 90 | 14 | 6.1 | 4.1 | 106 | 0.04 | 0.13 | 10.7 | 143 | 3.9 | 109 | 324 | --- | --- | 2.0 | 2.1 |
| 586 | 4 | F | 121 | 19 | 41 | 47 | 7.5 | 4.5 | 133 | 0.05 | 0.18 | 10.4 | 144 | 5.0 | 107 | 217 | --- | --- | 3.0 | 1.5 |
| 587 | 4 | F | 132 | 15 | 38 | 87 | 7.9 | 4.8 | 168 | --- | --- | 11.0 | 143 | 4.1 | 111 | 128 | --- | --- | 3.1 | 1.5 |
| 593 | 4 | F | 124 | 12 | 38 | 92 | 7.1 | 4.5 | 168 | 0.04 | 0.12 | 10.4 | 140 | 4.5 | 104 | 120 | --- | --- | 2.6 | 1.7 |

--- = NO AVAILABLE DATA

## Table VI.5e (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL CLINICAL CHEMISTRY VALUES - TEST WEEK 104

| ANIMAL NO | TR GROUP | SEX | GLU mg/dl | BUN mg/dl | SGPT IU/l | TRIG mg/dl | T PRO g/dl | ALB g/dl | CHOL mg/dl | D BIL mg/dl | T BIL mg/dl | CA mg/dl | NA mMol/l | K mMol/l | Cl Meq/l | CPK IU/l | LDH IU/l | A Phos IU/l | GLOB g/dl | ALB/GLOB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 5 | M | 87 | 40 | 41 | 393 | 6.8 | 3.4 | 334 | --- | --- | 11.0 | 145 | 4.9 | 111 | 244 | --- | --- | 3.4 | 1.0 |
| 613 | 5 | M | 66 | 52 | 28 | 241 | 5.8 | 3.2 | 237 | --- | --- | 11.7 | 147 | 4.5 | 114 | 444 | --- | --- | 2.6 | 1.2 |
| 617 | 5 | M | 108 | 29 | 23 | 503 | 6.3 | 3.6 | 148 | 0.18 | 0.33 | 11.3 | 143 | 4.7 | 114 | 35 | --- | --- | 2.7 | 1.3 |
| 629 | 5 | M | 101 | 25 | 25 | 325 | 6.7 | 3.4 | 272 | 0.13 | 0.26 | 11.2 | 145 | 4.2 | 108 | 44 | --- | --- | 3.3 | 1.0 |
| 632 | 5 | M | 111 | 39 | 30 | 309 | 6.1 | 3.4 | 234 | 0.11 | 0.31 | 10.7 | 145 | 4.5 | 110 | 209 | --- | --- | 2.7 | 1.3 |
| 642 | 5 | M | 111 | 28 | 28 | 186 | 6.5 | 3.6 | 170 | 0.08 | 0.21 | 10.3 | 147 | 5.3 | 110 | 48 | --- | --- | 2.9 | 1.2 |
| 644 | 5 | M | 109 | 65 | 90 | 173 | 6.0 | 3.7 | 120 | 0.06 | 0.19 | 11.0 | 146 | 5.8 | 114 | 71 | --- | --- | 2.3 | 1.6 |
| 661 | 5 | M | 126 | 40 | 36 | 441 | 6.1 | 3.4 | 119 | 0.14 | 0.24 | 11.2 | 143 | 4.8 | 115 | 155 | --- | --- | 2.7 | 1.3 |
| 665 | 5 | M | 99 | 39 | 30 | 303 | 6.6 | 2.9 | 440 | --- | --- | 11.6 | 140 | 4.4 | 110 | 75 | --- | --- | 3.7 | 0.8 |
| 667 | 5 | M | 72 | 53 | 36 | 512 | 6.6 | 3.2 | 474 | --- | --- | 12.2 | 147 | 4.2 | 110 | 306 | --- | --- | 3.4 | 0.9 |
| 683 | 5 | F | 114 | 16 | 64 | 53 | 7.9 | 4.7 | 169 | --- | --- | 11.2 | 143 | 4.7 | 112 | 289 | --- | --- | 3.2 | 1.5 |
| 686 | 5 | F | 114 | 25 | 38 | 89 | 7.7 | 4.8 | 203 | 0.04 | 0.15 | 11.2 | 146 | 4.4 | 109 | 106 | --- | --- | 2.9 | 1.7 |
| 701 | 5 | F | 104 | 32 | 43 | 117 | 8.0 | 4.8 | 218 | 0.08 | 0.16 | 11.9 | 138 | 4.4 | 105 | 48 | --- | --- | 3.2 | 1.5 |
| 703 | 5 | F | 112 | 19 | 30 | 113 | 8.1 | 4.7 | 154 | 0.05 | 0.14 | 11.9 | 140 | 4.3 | 106 | 75 | --- | --- | 3.4 | 1.4 |
| 707 | 5 | F | 112 | 27 | 38 | 49 | 7.9 | 4.8 | 185 | --- | --- | 11.4 | 141 | 4.0 | 110 | 48 | --- | --- | 3.1 | 1.5 |
| 726 | 5 | F | 113 | 18 | 28 | 81 | 8.3 | 4.9 | 194 | 0.05 | 0.14 | 11.6 | 142 | 4.5 | 110 | 35 | --- | --- | 3.4 | 1.4 |
| 731 | 5 | F | 119 | 20 | 30 | 77 | 7.9 | 4.9 | 217 | 0.04 | 0.14 | 11.1 | 143 | 4.4 | 107 | 48 | --- | --- | 3.0 | 1.6 |
| 733 | 5 | F | 114 | 26 | 41 | 61 | 8.0 | 4.2 | 142 | 0.05 | 0.18 | 11.1 | 144 | 4.5 | 109 | 191 | --- | --- | 3.8 | 1.1 |
| 736 | 5 | F | 115 | 19 | 64 | 74 | 8.7 | 5.3 | 222 | --- | --- | 11.3 | 141 | 4.5 | 109 | 160 | --- | --- | 3.4 | 1.6 |
| 748 | 5 | F | 100 | 16 | 30 | 59 | 7.5 | 4.8 | 135 | 0.03 | 0.14 | 10.9 | 145 | 5.4 | 113 | 75 | --- | --- | 2.7 | 1.8 |

--- = NO AVAILABLE DATA

Table VI 6a

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) TEST WEEK 27

| ANIMAL NO | T R GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | M | 385 | 2.150 | 1.126 | 2.702 | 0.046 | 11.004 | 0.830 | 3.338 |
| 6 | 1 | M | 386 | 2.194 | 1.175 | 2.597 | 0.040 | 11.214 | 0.788 | 3.198 |
| 13 | 1 | M | 366 | 2.067 | 1.270 | 2.649 | 0.073 | 11.304 | 0.823 | 3.300 |
| 17 | 1 | M | 407 | 2.048 | 1.062 | 2.603 | 0.041 | 10.660 | 0.787 | 3.341 |
| 22 | 1 | M | 359 | 2.052 | 1.228 | 2.210 | 0.044 | 9.710 | 0.687 | 3.092 |
| 46 | 1 | M | 336 | 2.009 | 1.234 | 2.072 | 0.036 | 8.592 | 0.748 | 3.036 |
| 47 | 1 | M | 344 | 1.975 | 1.005 | 2.275 | 0.047 | 9.880 | 0.698 | 2.585 |
| 60 | 1 | M | 337 | 2.008 | 0.965 | 2.146 | 0.045 | 9.431 | 0.629 | 2.844 |
| 68 | 1 | M | 308 | 1.936 | 1.030 | 2.143 | 0.062 | 8.385 | 0.672 | 2.965 |
| 70 | 1 | M | 397 | 2.079 | 1.192 | 2.655 | 0.048 | 11.039 | 0.843 | 3.285 |
| 89 | 1 | F | 197 | 1.897 | 0.870 | 1.399 | 0.043 | --- | 0.454 | 0.110 |
| 90 | 1 | F | 192 | 1.870 | 0.630 | 1.424 | 0.046 | 5.388 | 0.472 | 0.106 |
| 98 | 1 | F | 194 | 1.905 | 0.706 | 1.423 | 0.035 | 6.034 | 0.501 | 0.098 |
| 101 | 1 | F | 192 | 1.921 | 0.611 | 1.424 | 0.048 | 5.324 | 0.480 | 0.085 |
| 111 | 1 | F | 192 | 1.926 | 0.648 | 1.480 | 0.050 | 5.131 | 0.471 | 0.102 |
| 133 | 1 | F | 207 | 2.001 | 0.663 | 1.555 | 0.050 | 5.378 | 0.490 | 0.113 |
| 136 | 1 | F | 186 | 1.915 | 0.656 | 1.419 | 0.079 | 5.297 | 0.479 | 0.143 |
| 138 | 1 | F | 199 | 1.913 | 0.677 | 1.460 | 0.047 | 5.817 | 0.564 | 0.088 |
| 145 | 1 | F | 216 | 2.002 | 0.666 | 1.537 | 0.047 | 5.545 | 0.516 | 0.126 |
| 148 | 1 | F | 199 | 1.887 | 0.692 | 1.531 | 0.046 | 5.804 | 0.493 | 0.096 |
| 159 | 2 | M | 376 | 2.096 | 1.264 | 2.763 | 0.040 | 11.328 | 0.703 | 3.131 |
| 165 | 2 | M | 376 | 2.077 | 1.000 | 2.421 | 0.045 | 10.703 | 0.720 | 3.330 |
| 167 | 2 | M | 412 | 2.130 | 1.076 | 2.620 | 0.042 | 11.759 | 0.823 | 3.311 |
| 176 | 2 | M | 401 | 2.215 | 1.226 | 2.707 | 0.040 | 10.817 | 0.859 | 3.093 |
| 192 | 2 | M | 354 | 2.066 | 0.997 | 2.436 | 0.019 | 10.142 | 0.703 | 2.470 |
| 200 | 2 | M | 413 | 2.181 | 1.316 | 2.905 | 0.047 | 12.282 | 0.778 | 3.374 |
| 205 | 2 | M | 366 | 2.029 | 1.096 | 2.618 | 0.079 | 11.642 | 0.841 | 3.310 |
| 210 | 2 | M | 389 | 2.172 | 1.266 | 2.800 | 0.076 | 12.844 | 0.921 | 3.349 |
| 218 | 2 | M | 372 | 2.135 | 1.181 | 2.770 | 0.053 | 11.072 | 0.793 | 3.355 |
| 220 | 2 | M | 362 | 2.033 | 1.184 | 2.517 | 0.061 | 12.024 | 0.891 | 3.021 |
| 242 | 2 | F | 191 | 1.928 | 0.681 | 1.508 | 0.082 | 5.697 | 0.485 | 0.137 |
| 255 | 2 | F | 222 | 2.059 | 0.844 | 1.701 | 0.055 | 6.292 | 0.600 | 0.111 |
| 267 | 2 | F | 198 | 1.837 | 0.604 | 1.446 | 0.042 | 5.124 | 0.459 | 0.096 |
| 268 | 2 | F | 181 | 1.867 | 0.673 | 1.539 | 0.065 | 4.983 | 0.499 | 0.122 |
| 271 | 2 | F | 179 | 1.889 | 0.618 | 1.334 | 0.043 | 5.393 | 0.403 | 0.085 |
| 275 | 2 | F | 195 | 1.961 | 0.747 | 1.578 | 0.035 | 5.791 | 0.504 | 0.111 |
| 280 | 2 | F | 185 | 1.957 | 0.730 | 1.545 | 0.082 | 5.693 | 0.472 | 0.129 |
| 287 | 2 | F | 208 | 1.921 | 0.659 | 1.604 | 0.046 | 6.458 | 0.534 | 0.119 |
| 297 | 2 | F | 198 | 1.897 | 0.728 | 1.512 | 0.044 | 5.477 | 0.481 | 0.109 |
| 298 | 2 | F | --- | 1.951 | 0.760 | 1.578 | 0.056 | 6.473 | 0.557 | 0.128 |
| 302 | 1 | M | 341 | 2.042 | 0.955 | 2.203 | 0.044 | 9.606 | 0.693 | 3.085 |

--- NO AVAILABLE DATA

Table VI.6a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 27

| ANIMAL NO | GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 303 | 3 | M | 362 | 2.191 | 1.193 | 2.623 | 0.043 | 10.742 | 0.781 | 3.229 |
| 310 | 3 | M | 368 | 2.085 | 1.002 | 2.417 | 0.044 | 10.724 | 0.700 | 2.861 |
| 312 | 3 | M | 360 | 2.105 | 1.263 | 2.760 | 0.042 | 10.361 | 0.786 | 3.356 |
| 324 | 3 | M | 377 | 2.150 | 1.108 | 2.808 | 0.044 | 10.424 | 0.762 | 3.223 |
| 327 | 3 | M | 368 | 2.139 | 1.210 | 2.574 | 0.072 | 11.444 | 0.844 | 3.172 |
| 346 | 3 | M | 373 | 2.014 | 1.211 | 2.476 | 0.041 | 10.611 | 0.834 | 3.095 |
| 352 | 3 | M | 380 | 2.211 | 1.224 | 2.824 | 0.068 | 11.599 | 0.830 | 3.289 |
| 366 | 3 | M | 398 | 2.136 | 1.313 | 2.690 | 0.065 | 11.945 | 0.929 | 3.309 |
| 374 | 3 | M | 353 | 2.165 | 1.167 | 2.410 | 0.040 | 10.318 | 0.868 | 3.013 |
| 377 | 3 | F | 201 | 1.824 | 0.700 | 1.379 | 0.046 | 5.096 | 0.461 | 0.080 |
| 378 | 3 | F | 185 | 1.922 | 0.638 | 1.342 | 0.045 | 5.395 | 0.406 | 0.088 |
| 383 | 3 | F | 212 | 1.994 | 0.726 | 1.641 | 0.076 | 5.796 | 0.570 | 0.136 |
| 386 | 3 | F | 171 | 1.781 | 0.632 | 1.476 | 0.066 | 5.294 | 0.444 | 0.096 |
| 394 | 3 | F | 199 | 1.966 | 0.629 | 1.386 | 0.043 | 5.306 | 0.443 | 0.099 |
| 420 | 3 | F | 205 | 2.017 | 0.730 | 1.634 | 0.053 | 4.812 | 0.509 | 0.095 |
| 428 | 3 | F | 216 | 1.889 | 0.827 | 1.630 | 0.069 | 5.862 | 0.515 | 0.129 |
| 433 | 3 | F | 198 | 2.042 | 0.741 | 1.649 | 0.049 | 5.830 | 0.523 | 0.113 |
| 444 | 3 | F | 167 | 1.771 | 0.631 | 1.331 | 0.081 | 5.519 | 0.506 | 0.131 |
| 448 | 3 | F | 175 | 1.912 | 0.746 | 1.465 | 0.045 | 5.285 | 0.403 | 0.095 |
| 455 | 4 | M | 370 | 2.142 | 1.143 | 2.588 | 0.038 | 10.519 | 0.811 | 3.245 |
| 464 | 4 | M | 369 | 2.047 | 1.042 | 2.625 | 0.048 | 10.925 | 0.806 | 3.067 |
| 472 | 4 | M | 357 | 2.106 | 1.193 | 2.578 | 0.039 | 10.920 | 0.796 | 3.132 |
| 483 | 4 | M | 393 | 2.084 | 0.983 | 2.689 | 0.044 | 12.705 | 0.757 | 3.227 |
| 490 | 4 | M | 379 | 2.197 | 1.218 | 2.969 | 0.085 | 12.142 | 0.917 | 3.294 |
| 496 | 4 | M | 386 | 2.197 | 1.092 | 2.782 | 0.043 | 11.712 | 0.764 | 3.357 |
| 509 | 4 | M | 394 | 2.106 | 1.218 | 2.635 | 0.047 | 12.031 | 0.774 | 3.129 |
| 513 | 4 | M | 374 | 2.083 | 1.260 | 2.820 | 0.039 | 11.773 | 0.931 | 3.119 |
| 515 | 4 | M | 355 | 2.077 | 1.098 | 2.649 | 0.090 | 10.745 | 0.796 | 3.055 |
| 516 | 4 | M | 351 | 2.056 | 1.113 | 2.520 | 0.070 | 12.293 | 0.922 | 3.064 |
| 536 | 4 | F | 193 | 1.965 | 0.785 | 1.679 | 0.079 | 6.033 | 0.527 | 0.135 |
| 543 | 4 | F | 192 | 1.928 | 0.726 | 1.591 | 0.073 | 6.381 | 0.498 | 0.107 |
| 544 | 4 | F | 199 | 1.930 | 0.736 | 1.560 | 0.048 | 5.616 | 0.487 | 0.085 |
| 548 | 4 | F | 197 | 2.006 | 0.710 | 1.568 | 0.046 | 5.405 | 0.460 | 0.082 |
| 552 | 4 | F | 195 | 1.867 | 0.708 | 1.480 | 0.042 | 6.153 | 0.448 | 0.106 |
| 561 | 4 | F | 206 | 1.972 | 0.703 | 1.601 | 0.049 | 5.904 | 0.478 | 0.100 |
| 570 | 4 | F | 187 | 1.902 | 0.677 | 1.533 | 0.076 | 5.807 | 0.488 | 0.124 |
| 585 | 4 | F | --- | 1.857 | 0.706 | 1.646 | 0.055 | 5.358 | 0.530 | 0.122 |
| 588 | 4 | F | 179 | 1.651 | 0.663 | 1.389 | 0.044 | 5.251 | 0.439 | 0.097 |
| 599 | 4 | F | 194 | 1.811 | 0.692 | 1.581 | 0.040 | 5.987 | 0.445 | 0.087 |
| 625 | 5 | M | 319 | 2.030 | 1.083 | 2.678 | 0.078 | 12.262 | 1.050 | 3.168 |
| 630 | 5 | M | 340 | 2.055 | 1.098 | 2.726 | 0.064 | 13.849 | 1.109 | 3.324 |

--- = NO AVAILABLE DATA

Table VI.6a (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 27

| ANIMAL NO. | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 5 | M | 346 | 2.075 | 0.967 | 2.636 | 0.044 | 13.239 | 0.887 | 3.082 |
| 643 | 5 | M | 344 | 2.177 | 1.084 | 2.771 | 0.042 | 11.851 | 1.054 | 3.262 |
| 657 | 5 | M | 365 | 2.030 | 0.959 | 2.873 | 0.049 | 13.247 | 0.966 | 3.346 |
| 658 | 5 | M | 342 | 2.122 | 1.092 | 2.698 | 0.035 | 12.367 | 0.860 | 3.355 |
| 663 | 5 | M | 320 | 2.060 | 1.076 | 2.582 | 0.044 | 11.888 | 1.011 | 3.005 |
| 664 | 5 | M | 317 | 2.026 | 0.963 | 2.508 | 0.036 | 10.749 | 0.931 | 2.843 |
| 671 | 5 | M | 320 | 1.891 | 1.062 | 2.640 | 0.041 | 12.289 | 0.938 | 2.888 |
| 674 | 5 | M | 367 | 2.127 | 1.283 | 3.026 | 0.076 | 14.231 | 1.106 | 3.500 |
| 679 | 5 | F | 178 | 1.817 | 0.699 | 1.579 | 0.086 | 5.791 | 0.533 | 0.111 |
| 689 | 5 | F | 161 | 1.773 | 0.708 | 1.312 | 0.045 | 5.619 | 0.736 | 0.084 |
| 695 | 5 | F | 180 | 1.877 | 0.749 | 1.555 | 0.071 | 5.788 | 0.566 | 0.131 |
| 697 | 5 | F | 188 | 1.869 | 0.667 | 1.529 | 0.042 | 5.944 | 0.582 | 0.082 |
| 713 | 5 | F | 173 | 1.950 | 0.711 | 1.680 | 0.084 | 6.361 | 0.507 | 0.132 |
| 716 | 5 | F | 183 | 1.899 | 0.668 | 1.394 | 0.046 | 5.739 | 0.564 | 0.101 |
| 719 | 5 | F | 177 | 1.953 | 0.649 | 1.466 | 0.038 | 5.844 | 0.541 | 0.088 |
| 723 | 5 | F | 184 | 1.894 | 0.677 | 1.566 | 0.043 | 5.736 | 0.597 | 0.073 |
| 737 | 5 | F | 195 | 2.017 | 0.802 | 1.683 | 0.042 | 6.147 | 0.647 | 0.102 |
| 739 | 5 | F | 192 | 1.912 | 0.644 | 1.523 | 0.044 | 7.173 | 0.535 | 0.118 |

--- = NO AVAILABLE DATA

## Table VI.6b

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 53

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | M | 428 | 2.282 | 1.222 | 3.140 | 0.050 | 12.086 | 0.891 | 3.070 |
| 11 | 1 | M | 420 | 2.239 | 1.260 | 2.645 | 0.043 | 11.701 | 0.799 | 3.196 |
| 12 | 1 | M | 400 | 2.065 | 1.231 | 2.828 | 0.050 | 11.634 | 0.751 | 3.079 |
| 18 | 1 | M | 446 | 2.273 | 1.400 | 3.154 | 0.050 | 13.520 | 0.858 | 3.486 |
| 20 | 1 | M | 482 | 2.279 | 1.277 | 3.360 | 0.055 | 16.512 | 0.933 | 2.860 |
| 27 | 1 | M | 447 | 2.067 | 1.269 | 2.843 | 0.056 | 13.020 | 0.980 | 3.279 |
| 39 | 1 | M | 428 | 2.211 | 1.300 | 2.865 | 0.044 | 11.294 | 0.820 | 3.152 |
| 45 | 1 | M | 456 | 2.207 | 1.331 | 3.218 | 0.051 | 13.833 | 0.871 | 3.477 |
| 50 | 1 | M | 419 | 2.137 | 1.131 | 2.765 | 0.046 | 12.077 | 0.801 | 3.312 |
| 67 | 1 | M | 442 | 2.198 | 1.211 | 3.213 | 0.055 | 13.945 | 0.843 | 3.502 |
| 78 | 1 | F | 243 | 2.019 | 0.839 | 1.869 | 0.042 | 6.340 | 0.578 | 0.089 |
| 86 | 1 | F | 226 | 1.977 | 0.765 | 1.721 | 0.056 | 5.988 | 0.444 | 0.101 |
| 87 | 1 | F | 212 | 1.863 | 0.705 | 1.551 | 0.058 | 6.123 | 0.469 | 0.114 |
| 95 | 1 | F | 223 | 1.985 | 0.769 | 1.853 | 0.053 | 7.439 | 0.540 | 0.099 |
| 105 | 1 | F | 234 | 2.020 | 0.774 | 1.750 | 0.050 | 6.149 | 0.592 | 0.098 |
| 115 | 1 | F | 244 | 1.971 | 0.806 | 1.749 | 0.064 | 6.880 | 0.459 | 0.116 |
| 121 | 1 | F | 248 | 1.969 | 0.822 | 1.980 | 0.046 | 6.861 | 0.535 | 0.096 |
| 130 | 1 | F | 227 | 1.972 | 0.854 | 1.680 | 0.045 | 6.159 | 0.497 | 0.084 |
| 141 | 1 | F | 218 | 1.921 | 0.660 | 1.514 | 0.046 | 5.399 | 0.492 | 0.106 |
| 143 | 1 | F | 236 | 2.000 | 0.859 | 1.909 | 0.062 | 7.121 | 0.527 | 0.132 |
| 152 | 2 | M | 389 | 2.053 | 1.158 | 2.648 | 0.047 | 10.820 | 0.815 | 3.082 |
| 172 | 2 | M | 426 | 2.207 | 1.333 | 2.938 | 0.056 | 14.079 | 0.825 | 3.374 |
| 180 | 2 | M | 401 | 2.152 | 1.189 | 2.841 | 0.041 | 11.447 | 0.780 | 3.243 |
| 187 | 2 | M | 435 | 2.255 | 1.272 | 2.918 | 0.045 | 11.164 | 0.984 | 3.092 |
| 191 | 2 | M | 436 | 2.183 | 1.156 | 2.981 | 0.048 | 12.564 | 0.804 | 3.208 |
| 194 | 2 | M | 480 | 2.403 | 1.458 | 3.588 | 0.062 | 14.465 | 0.969 | 3.720 |
| 203 | 2 | M | 430 | 2.116 | 1.251 | 3.147 | 0.042 | 13.013 | 0.926 | 3.111 |
| 204 | 2 | M | 420 | 2.136 | 1.117 | 3.047 | 0.054 | 13.234 | 0.797 | 3.181 |
| 209 | 2 | M | 396 | 2.158 | 1.033 | 3.090 | 0.062 | 12.081 | 0.955 | 2.969 |
| 214 | 2 | M | 446 | 2.087 | 1.213 | 3.102 | 0.048 | 13.210 | 0.891 | 3.441 |
| 239 | 2 | F | 262 | 1.905 | 0.973 | 1.961 | 0.065 | 7.309 | 0.726 | 0.076 |
| 244 | 2 | F | 218 | 1.973 | 0.699 | 1.670 | 0.050 | 6.391 | 0.491 | 0.111 |
| 246 | 2 | F | 232 | 1.991 | 0.833 | 1.961 | 0.048 | 7.478 | 0.573 | 0.106 |
| 257 | 2 | F | 258 | 2.093 | 0.825 | 2.091 | 0.045 | 7.273 | 0.579 | 0.104 |
| 262 | 2 | F | 205 | 1.978 | 0.720 | 1.587 | 0.051 | 5.872 | 0.466 | 0.095 |
| 273 | 2 | F | 232 | 2.024 | 0.861 | 1.873 | 0.053 | 6.957 | 0.551 | 0.107 |
| 277 | 2 | F | 203 | 1.902 | 0.699 | 1.586 | 0.052 | 6.123 | 0.524 | 0.115 |
| 279 | 2 | F | 240 | 2.007 | 0.737 | 1.843 | 0.047 | 7.330 | 0.565 | 0.125 |
| 282 | 2 | F | 212 | 1.999 | 0.869 | 1.785 | 0.055 | 6.777 | 0.534 | 0.104 |
| 290 | 2 | F | 201 | 1.837 | 0.749 | 1.733 | 0.063 | 6.192 | 0.460 | 0.131 |
| 316 | 3 | M | 389 | 2.155 | 1.027 | 2.856 | 0.038 | 12.884 | 0.800 | 3.095 |

--- = NO AVAILABLE DATA

Table VII-E (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE (TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) TEST WEEK 53

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 320 | 3 | M | 413 | 2.220 | 1.254 | 2.851 | 0.041 | 11.818 | 0.875 | 3.315 |
| 322 | 3 | M | 439 | 2.111 | 1.200 | 3.035 | 0.054 | 13.303 | 0.810 | 3.336 |
| 332 | 3 | M | 432 | 2.128 | 1.361 | 3.187 | 0.054 | 13.455 | 0.854 | 3.380 |
| 335 | 3 | M | 418 | 2.171 | 1.356 | 3.089 | 0.046 | 12.549 | 0.855 | 3.291 |
| 338 | 3 | M | 438 | 2.216 | 1.301 | 3.168 | 0.043 | 13.031 | 0.873 | 3.242 |
| 339 | 3 | M | 441 | 2.254 | 1.377 | 3.386 | 0.047 | 13.936 | 0.906 | 3.539 |
| 341 | 3 | M | 402 | 2.206 | 1.209 | 2.955 | 0.042 | 12.003 | 0.791 | 3.162 |
| 348 | 3 | M | 434 | 2.133 | 1.343 | 3.307 | 0.052 | 14.661 | 1.043 | 3.251 |
| 358 | 3 | M | 404 | 2.187 | 1.203 | 3.161 | 0.045 | 13.226 | 0.862 | 3.140 |
| 396 | 3 | F | 210 | 1.912 | 0.756 | 1.537 | 0.051 | 5.632 | 0.465 | 0.090 |
| 406 | 3 | F | 252 | 1.962 | 0.749 | 1.834 | 0.054 | 7.210 | 0.553 | 0.110 |
| 408 | 3 | F | 234 | 1.973 | 0.816 | 1.993 | 0.070 | 7.592 | 0.520 | 0.126 |
| 414 | 3 | F | 217 | 1.931 | 0.828 | 1.585 | 0.046 | 5.619 | 0.476 | 0.082 |
| 415 | 3 | F | 243 | 1.924 | 0.862 | 1.903 | 0.066 | 7.389 | 0.501 | 0.137 |
| 425 | 3 | F | 218 | 2.001 | 0.832 | 1.798 | 0.054 | 5.942 | 0.520 | 0.112 |
| 429 | 3 | F | 214 | 1.935 | 0.792 | 1.811 | 0.048 | 6.711 | 0.529 | 0.100 |
| 434 | 3 | F | 202 | 1.754 | 0.719 | 1.532 | 0.024 | 6.243 | 0.455 | 0.079 |
| 442 | 3 | F | 233 | 1.892 | 0.732 | 1.839 | 0.057 | 6.762 | 0.493 | 0.102 |
| 450 | 3 | F | 237 | 2.013 | 0.741 | 2.005 | 0.051 | 7.197 | 0.522 | 0.083 |
| 456 | 4 | M | 423 | 2.220 | 1.243 | 3.183 | 0.051 | 13.695 | 0.908 | 3.358 |
| 458 | 4 | M | 456 | 2.228 | 1.243 | 3.521 | 0.053 | 14.348 | 0.955 | 3.515 |
| 463 | 4 | M | 436 | 2.250 | 1.227 | 3.301 | 0.042 | 13.777 | 0.955 | 3.365 |
| 470 | 4 | M | 406 | 2.167 | 1.057 | 3.212 | 0.050 | 13.751 | 0.854 | 2.391 |
| 476 | 4 | M | 375 | 2.099 | 1.178 | 2.940 | 0.042 | 12.199 | 0.870 | 3.067 |
| 485 | 4 | M | 424 | 2.138 | 1.201 | 3.256 | 0.051 | 12.876 | 0.821 | 3.354 |
| 486 | 4 | M | 342 | 1.899 | 0.920 | 2.407 | 0.046 | 10.093 | 0.689 | 2.789 |
| 497 | 4 | M | 372 | 2.083 | 1.185 | 3.302 | 0.056 | 11.976 | 0.829 | 3.194 |
| 508 | 4 | M | 324 | 2.000 | 1.059 | 2.693 | 0.049 | 10.949 | 0.743 | 3.189 |
| 517 | 4 | M | 407 | 2.109 | 1.320 | 3.176 | 0.041 | 13.620 | 0.830 | 3.507 |
| 527 | 4 | F | 235 | 2.019 | 0.839 | 2.013 | 0.068 | 7.382 | 0.601 | 0.115 |
| 529 | 4 | F | 205 | 1.917 | 0.709 | 1.475 | 0.042 | 5.646 | 0.421 | 0.099 |
| 531 | 4 | F | 199 | 1.962 | 0.728 | 1.672 | 0.048 | 6.724 | 0.467 | 0.097 |
| 538 | 4 | F | 226 | 1.961 | 0.777 | 1.800 | 0.058 | 6.786 | 0.516 | 0.117 |
| 542 | 4 | F | 230 | 1.980 | 0.788 | 1.894 | 0.051 | 7.143 | 0.498 | 0.094 |
| 555 | 4 | F | 251 | 1.988 | 0.929 | 2.040 | 0.062 | 7.391 | 0.570 | 0.104 |
| 557 | 4 | F | 209 | 1.897 | 0.667 | 1.699 | 0.053 | 5.939 | 0.492 | 0.081 |
| 560 | 4 | F | 221 | 1.899 | 0.723 | 1.844 | 0.051 | 6.682 | 0.570 | 0.090 |
| 566 | 4 | F | 190 | 1.834 | 0.700 | 1.696 | 0.064 | 5.911 | 0.416 | 0.12[illegible] |
| 567 | 4 | F | 258 | 1.968 | 0.758 | 1.968 | 0.055 | 7.514 | 0.631 | 0.118 |
| 603 | 5 | M | 359 | 2.013 | 1.144 | 2.967 | 0.039 | 13.631 | 1.233 | 3.091 |
| 605 | 5 | M | 362 | 2.162 | 1.265 | 2.822 | 0.011 | 13.193 | 1.190 | 3.210 |

- NO AVAILABLE DATA

Table VI.6b (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 53

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 606 | 5 | M | 414 | 2.073 | 1.280 | 3.384 | 0.045 | 17.520 | 1.312 | 3.502 |
| 607 | 5 | M | 372 | 2.180 | 1.108 | 3.037 | 0.035 | 13.240 | 1.106 | 3.218 |
| 614 | 5 | M | 367 | 2.121 | 1.080 | 2.586 | 0.039 | 12.654 | 1.082 | 3.265 |
| 619 | 5 | M | 393 | 2.140 | 1.076 | 3.056 | 0.042 | 14.651 | 1.238 | 3.492 |
| 634 | 5 | M | 343 | 2.071 | 1.008 | 2.851 | 0.036 | 12.270 | 1.060 | 2.921 |
| 660 | 5 | M | 349 | 2.121 | 1.025 | 2.992 | 0.042 | 13.871 | 1.160 | 3.194 |
| 666 | 5 | M | 365 | 2.089 | 1.229 | 3.382 | 0.044 | 17.079 | 1.271 | 3.153 |
| 668 | 5 | M | 365 | 2.174 | 1.202 | 3.070 | 0.047 | 13.587 | 1.087 | 3.358 |
| 687 | 5 | F | 233 | 1.928 | 0.711 | 1.826 | 0.048 | 6.751 | 0.681 | 0.112 |
| 690 | 5 | F | 210 | 1.900 | 0.656 | 1.856 | 0.040 | 7.499 | 0.584 | 0.101 |
| 717 | 5 | F | 212 | 1.897 | 0.726 | 1.873 | 0.053 | 6.918 | 0.660 | 0.096 |
| 718 | 5 | F | 187 | 1.958 | 0.723 | 1.646 | 0.040 | 6.632 | 0.591 | 0.090 |
| 720 | 5 | F | 175 | 1.834 | 0.819 | 1.760 | 0.053 | 6.705 | 0.572 | 0.080 |
| 725 | 5 | F | 189 | 1.894 | 0.742 | 1.821 | 0.060 | 7.482 | 0.663 | 0.116 |
| 727 | 5 | F | 191 | 1.898 | 0.754 | 1.703 | 0.038 | 7.000 | 0.718 | 0.091 |
| 730 | 5 | F | 182 | 1.848 | 0.721 | 1.815 | 0.055 | 7.570 | 0.638 | 0.104 |
| 735 | 5 | F | 195 | 1.953 | 0.701 | 1.848 | 0.045 | 7.018 | 0.599 | 0.098 |
| 747 | 5 | F | 188 | 1.946 | 0.753 | 1.655 | 0.045 | 6.340 | 0.546 | 0.087 |

--- = NO AVAILABLE DATA

Table VI.6c

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) TEST WEEK 105

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | M | 414 | 2.371 | 1.329 | 3.474 | 0.062 | 14.869 | 2.227 | --- |
| 3 | 1 | M | 404 | 2.379 | 1.339 | 3.316 | 0.065 | 13.009 | 2.693 | --- |
| 5 | 1 | M | 379 | 2.289 | 1.387 | 3.547 | 0.107 | 14.517 | 1.291 | --- |
| 10 | 1 | M | 407 | 2.295 | 1.338 | 3.154 | 0.067 | 12.807 | 1.547 | --- |
| 15 | 1 | M | 283 | 2.159 | 1.192 | 3.408 | 0.064 | 13.427 | 8.039 | --- |
| 16 | 1 | M | 339 | 2.125 | 1.387 | 3.469 | 0.057 | 21.070 | 12.570 | --- |
| 21 | 1 | M | 377 | 2.246 | 1.331 | 3.851 | 0.071 | 18.534 | 7.903 | --- |
| 23 | 1 | M | 388 | 2.201 | 1.322 | 3.282 | 0.067 | 13.494 | 1.563 | --- |
| 24 | 1 | M | 418 | 2.177 | 1.484 | 3.263 | 0.042 | 12.925 | 1.635 | --- |
| 25 | 1 | M | 346 | 2.176 | 1.193 | 3.393 | 0.075 | 13.679 | 1.277 | --- |
| 26 | 1 | M | 421 | 2.282 | 1.344 | 3.876 | 0.063 | 15.627 | 1.344 | --- |
| 30 | 1 | M | 368 | 2.333 | 1.634 | 4.616 | 0.082 | 18.805 | 5.643 | --- |
| 33 | 1 | M | 378 | 2.332 | 1.410 | 3.458 | 0.058 | 14.011 | 1.082 | --- |
| 35 | 1 | M | 333 | 2.205 | 1.453 | 3.124 | 0.076 | 15.156 | 6.848 | --- |
| 36 | 1 | M | 428 | 2.247 | 1.286 | 3.101 | 0.063 | 12.526 | 2.046 | --- |
| 37 | 1 | M | 430 | 2.438 | 1.447 | 3.840 | 0.083 | --- | 1.759 | --- |
| 40 | 1 | M | 404 | 2.262 | 1.253 | 3.253 | 0.060 | 14.230 | 1.312 | --- |
| 41 | 1 | M | 353 | 2.170 | 1.278 | 2.862 | 0.059 | 10.861 | 1.202 | --- |
| 42 | 1 | M | 430 | 2.379 | 1.334 | 3.489 | 0.058 | 15.418 | 2.615 | --- |
| 44 | 1 | M | 392 | 2.167 | 1.279 | 3.124 | 0.062 | 13.888 | 3.714 | --- |
| 48 | 1 | M | 294 | 2.196 | 1.225 | 2.968 | 0.093 | --- | 14.133 | --- |
| 49 | 1 | M | 415 | 2.276 | 1.380 | 3.520 | 0.059 | 13.908 | 1.694 | --- |
| 51 | 1 | M | 424 | 2.221 | 1.390 | 3.061 | 0.082 | 12.508 | 1.591 | --- |
| 52 | 1 | M | 364 | 2.224 | 1.317 | 4.062 | 0.072 | 11.574 | 1.284 | --- |
| 55 | 1 | M | 414 | 2.200 | 1.594 | 3.621 | 0.110 | 15.546 | 1.390 | --- |
| 56 | 1 | M | 388 | 2.155 | 1.369 | 3.140 | 0.052 | 12.230 | 0.579 | --- |
| 61 | 1 | M | 395 | 2.093 | 1.132 | 2.960 | 0.058 | 11.479 | 1.918 | --- |
| 62 | 1 | M | 372 | 2.164 | 1.289 | 3.246 | 0.062 | 13.148 | 1.458 | --- |
| 65 | 1 | M | 379 | 2.303 | 1.619 | 3.724 | 0.080 | 19.273 | 12.619 | --- |
| 66 | 1 | M | 392 | 2.149 | 1.142 | 2.903 | 0.050 | 13.930 | 1.075 | --- |
| 73 | 1 | M | 363 | 1.934 | 1.157 | 3.047 | 0.069 | 14.412 | 1.922 | --- |
| 75 | 1 | M | 385 | 2.333 | 1.428 | 3.431 | 0.084 | 12.586 | 1.187 | --- |
| 76 | 1 | F | 277 | 2.001 | 1.052 | 2.377 | 0.059 | 9.901 | 0.574 | 0.109 |
| 77 | 1 | F | 303 | 2.074 | 1.062 | 2.254 | 0.086 | 9.017 | 0.942 | 0.146 |
| 81 | 1 | F | 318 | 2.028 | 1.025 | 2.208 | 0.074 | 9.158 | 0.595 | 0.144 |
| 82 | 1 | F | 296 | 2.057 | 0.962 | 2.398 | 0.074 | 8.694 | 0.675 | 0.104 |
| 83 | 1 | F | 310 | 2.015 | 1.020 | 2.128 | 0.066 | 8.660 | 0.625 | 0.121 |
| 84 | 1 | F | 326 | 2.138 | 1.048 | 2.415 | 0.068 | 10.879 | 0.818 | 0.154 |
| 85 | 1 | F | 252 | 1.942 | 0.937 | 1.788 | 0.068 | 7.549 | 0.690 | 0.149 |
| 91 | 1 | F | 311 | 1.979 | 1.019 | 2.120 | 0.070 | 8.715 | 0.674 | 0.124 |
| 92 | 1 | F | 310 | 2.105 | 0.906 | 2.158 | 0.078 | 8.768 | 0.656 | 0.143 |

--- - NO AVAILABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 1 | F | 256 | 1.882 | 1.050 | 2.380 | 0.055 | 9.426 | 0.659 | 0.099 |
| 94 | 1 | F | 323 | 2.038 | 1.011 | 2.210 | 0.070 | 10.092 | 0.702 | 0.124 |
| 96 | 1 | F | 294 | 2.040 | 1.168 | 2.619 | 0.062 | 9.778 | 0.599 | 0.163 |
| 99 | 1 | F | 278 | 2.000 | 0.941 | 2.085 | 0.068 | 9.477 | 0.713 | 0.102 |
| 102 | 1 | F | 272 | 1.962 | 1.090 | 2.546 | 0.070 | 10.686 | 0.710 | 0.140 |
| 104 | 1 | F | 294 | 1.985 | 1.105 | 2.291 | 0.062 | 9.508 | 0.858 | 0.122 |
| 107 | 1 | F | 270 | 1.814 | 0.911 | 1.985 | 0.061 | 8.694 | 0.545 | 0.114 |
| 112 | 1 | F | 274 | 2.071 | 0.947 | 2.106 | 0.052 | 9.061 | 1.402 | 0.131 |
| 113 | 1 | F | 297 | 1.943 | 0.886 | 2.074 | 0.063 | 9.957 | 0.832 | 0.152 |
| 114 | 1 | F | 269 | 1.820 | 1.014 | 2.497 | 0.067 | 10.692 | 0.663 | 0.112 |
| 116 | 1 | F | 261 | 1.999 | 0.848 | 1.844 | 0.058 | 7.437 | 0.383 | 0.124 |
| 117 | 1 | F | 311 | 2.004 | 1.182 | 2.254 | 0.061 | 9.374 | 0.740 | 0.129 |
| 120 | 1 | F | 301 | 2.021 | 1.024 | 2.540 | 0.067 | 9.829 | 0.710 | 0.162 |
| 121 | 1 | F | 249 | 1.963 | 0.878 | 2.025 | 0.044 | 7.843 | 1.882 | 0.075 |
| 122 | 1 | F | 272 | 1.936 | 0.886 | 1.838 | 0.065 | 8.807 | 5.343 | 0.102 |
| 123 | 1 | F | 308 | 2.021 | 1.023 | 2.148 | 0.059 | 9.411 | 0.696 | 0.153 |
| 126 | 1 | F | 312 | 1.986 | 1.812 | 2.307 | 0.074 | 10.492 | 1.354 | 0.122 |
| 127 | 1 | F | 292 | 2.034 | 1.059 | 2.116 | 0.068 | 8.560 | 0.734 | 0.148 |
| 128 | 1 | F | 290 | 2.091 | 0.986 | 2.163 | 0.068 | 10.085 | 0.829 | 0.143 |
| 129 | 1 | F | 314 | 2.091 | 1.122 | 2.266 | 0.071 | 11.751 | 0.693 | 0.130 |
| 131 | 1 | F | 261 | 1.952 | 1.084 | 2.499 | 0.060 | 10.024 | 1.206 | 0.115 |
| 135 | 1 | F | 276 | 1.726 | 0.971 | 2.446 | 0.050 | 9.495 | 0.619 | 0.132 |
| 140 | 1 | F | 269 | 1.908 | 0.964 | 2.008 | 0.060 | 7.290 | 0.634 | 0.124 |
| 144 | 1 | F | 253 | 1.997 | 0.966 | 2.257 | 0.066 | 8.140 | 0.622 | 0.116 |
| 146 | 1 | F | 274 | 2.038 | 0.993 | 2.012 | 0.065 | 7.680 | 0.540 | 0.140 |
| 149 | 1 | F | 298 | 2.050 | 1.005 | 2.091 | 0.140 | 9.674 | 1.806 | 0.149 |
| 150 | 1 | F | 301 | 1.990 | 0.957 | 2.342 | 0.065 | 10.127 | 0.702 | 0.124 |
| 151 | 2 | M | 436 | 2.282 | 1.434 | 3.460 | 0.071 | 12.738 | 1.063 | --- |
| 153 | 2 | M | 317 | 2.106 | 1.158 | 2.640 | 0.063 | 36.458 | --- | --- |
| 155 | 2 | M | 411 | 2.198 | 1.506 | 3.656 | 0.077 | 14.564 | 1.562 | --- |
| 157 | 2 | M | 296 | 2.184 | 0.982 | 2.551 | 0.041 | 7.905 | 0.470 | --- |
| 158 | 2 | M | 378 | 2.183 | 1.412 | 3.198 | 0.054 | 12.845 | 1.671 | --- |
| 162 | 2 | M | 373 | 2.210 | 1.556 | 2.952 | 0.056 | 10.538 | 1.053 | --- |
| 163 | 2 | M | 382 | 2.290 | 1.343 | 4.226 | 0.366 | --- | 3.032 | --- |
| 166 | 2 | M | 400 | 2.235 | 1.364 | 4.073 | 0.072 | 16.848 | 3.698 | --- |
| 170 | 2 | M | 379 | 2.245 | 1.200 | 2.979 | 0.056 | 11.621 | 2.174 | --- |
| 171 | 2 | M | 308 | 2.139 | 1.156 | 2.581 | 0.054 | 12.641 | 5.709 | --- |
| 174 | 2 | M | 428 | 2.336 | 1.468 | 3.677 | 0.075 | 13.807 | 2.599 | --- |
| 175 | 2 | M | 340 | 2.330 | 1.329 | 3.900 | 0.080 | 15.414 | 1.014 | --- |
| 177 | 2 | M | 381 | 2.134 | 1.318 | 3.487 | 0.076 | 15.854 | 1.275 | --- |
| 179 | 2 | M | 407 | 2.269 | 1.355 | 3.263 | 0.077 | 13.728 | 1.204 | --- |

--- = NO AVAILABLE DATA

Table VI 6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (G) - TEST WEEK 105

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 182 | 2 | M | 391 | 2.317 | 1.320 | 3.480 | 0.067 | 13.967 | 1.456 | --- |
| 185 | 2 | M | 301 | 2.212 | 1.479 | 3.009 | --- | 12.675 | 3.361 | --- |
| 186 | 2 | M | 373 | 2.224 | 1.334 | 3.435 | 0.070 | 15.681 | 1.827 | --- |
| 190 | 2 | M | 383 | 2.305 | 1.228 | 3.626 | 0.068 | 18.832 | 3.324 | --- |
| 195 | 2 | M | 368 | 2.240 | 1.941 | 3.393 | 0.084 | 16.929 | 2.081 | --- |
| 197 | 2 | M | 344 | 2.226 | 1.281 | 3.073 | --- | 20.718 | 9.745 | --- |
| 198 | 2 | M | 414 | 2.271 | 1.353 | 3.227 | 0.076 | 12.714 | 6.291 | --- |
| 199 | 2 | M | 363 | 2.339 | 1.414 | 3.879 | 0.085 | 15.631 | 1.931 | --- |
| 202 | 2 | M | 380 | 2.225 | 1.602 | 4.484 | 0.102 | 17.561 | 1.631 | --- |
| 208 | 2 | M | 323 | 2.200 | 1.315 | 3.595 | 0.061 | 12.501 | 0.738 | --- |
| 215 | 2 | M | 356 | 2.235 | 1.280 | 3.203 | 0.065 | 15.079 | 1.169 | --- |
| 217 | 2 | M | 426 | 2.321 | 1.544 | 5.620 | 0.078 | 19.092 | 1.953 | --- |
| 219 | 2 | M | 398 | 2.179 | 1.349 | 3.807 | 0.084 | 15.473 | 1.247 | --- |
| 221 | 2 | M | 392 | 2.183 | 1.292 | 3.573 | 0.077 | 16.638 | 4.334 | --- |
| 223 | 2 | M | 370 | 2.140 | 1.627 | 5.304 | 0.109 | 24.793 | 4.029 | --- |
| 227 | 2 | F | 274 | 2.025 | 1.046 | 2.289 | 0.057 | 9.135 | 1.586 | 0.112 |
| 229 | 2 | F | 319 | 2.037 | 1.050 | 2.590 | 0.053 | 11.200 | 0.790 | 0.145 |
| 232 | 2 | F | 256 | 1.972 | 0.909 | 1.805 | 0.039 | 6.876 | 0.538 | 0.112 |
| 233 | 2 | F | 296 | 2.090 | 1.184 | 2.403 | 0.069 | 9.365 | 0.937 | 0.105 |
| 234 | 2 | F | 306 | 2.060 | 1.034 | 2.276 | 0.061 | 9.263 | 1.124 | 0.129 |
| 235 | 2 | F | 265 | 1.954 | 0.942 | 2.094 | 0.061 | 8.171 | 0.480 | 0.196 |
| 236 | 2 | F | 308 | 2.010 | 1.125 | 2.178 | 0.068 | 9.540 | 0.582 | 0.128 |
| 237 | 2 | F | 291 | 1.924 | 1.027 | 2.083 | 0.064 | 8.407 | 0.546 | 0.104 |
| 238 | 2 | F | 295 | 2.057 | 1.120 | 2.382 | 0.074 | 9.416 | 0.638 | 0.129 |
| 240 | 2 | F | 304 | 1.911 | 1.069 | 2.572 | 0.066 | 12.015 | 0.613 | 0.119 |
| 241 | 2 | F | 281 | 1.997 | 1.129 | 2.276 | 0.073 | 9.688 | 0.695 | 0.158 |
| 245 | 2 | F | 275 | 1.902 | 0.996 | 2.059 | 0.072 | 10.686 | 5.711 | 0.139 |
| 247 | 2 | F | 285 | 2.087 | 1.117 | 2.375 | 0.057 | 9.126 | 1.122 | --- |
| 249 | 2 | F | 312 | 2.005 | 1.018 | 2.141 | 0.066 | 11.886 | 1.708 | 0.137 |
| 251 | 2 | F | 293 | 2.243 | 1.135 | 2.559 | 0.083 | 9.372 | 0.623 | 0.113 |
| 252 | 2 | F | 269 | 1.970 | 0.941 | 2.108 | 0.050 | 6.904 | 0.811 | 0.116 |
| 253 | 2 | F | 333 | 2.011 | 1.161 | 2.640 | 0.078 | 13.328 | 3.261 | 0.151 |
| 254 | 2 | F | 316 | 2.058 | 1.006 | 2.264 | 0.066 | 8.598 | 0.789 | 0.142 |
| 256 | 2 | F | 291 | 2.110 | 0.979 | 2.375 | 0.068 | 8.732 | 0.645 | 0.121 |
| 259 | 2 | F | 267 | 2.273 | 0.971 | 1.986 | 0.038 | 9.512 | 0.700 | 0.071 |
| 260 | 2 | F | 279 | 2.033 | 0.836 | 2.021 | 0.063 | 8.951 | 0.551 | 0.132 |
| 261 | 2 | F | 296 | 2.088 | 1.022 | 2.159 | 0.064 | 10.144 | 2.802 | 0.113 |
| 263 | 2 | F | 269 | 2.063 | 1.038 | 2.086 | 0.069 | 8.176 | 0.550 | 0.144 |
| 265 | 2 | F | 291 | 1.931 | 1.038 | 2.418 | 0.057 | 11.731 | 2.648 | 0.115 |
| 266 | 2 | F | 240 | 1.897 | 1.053 | 1.998 | 0.068 | 7.161 | 1.215 | 0.093 |
| 269 | 2 | F | 309 | 2.015 | 1.225 | 2.392 | 0.073 | 10.033 | 0.794 | 0.103 |

--- NO AVAILABLE DATA

# Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT

INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO | GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 272 | 2 | F | 304 | 1.987 | 1.215 | 2.518 | 0.070 | 10.506 | 1.368 | 0.112 |
| 274 | 2 | F | 278 | 1.925 | 0.959 | 2.217 | 0.059 | 7.265 | 0.491 | 0.104 |
| 276 | 2 | F | 284 | 1.939 | 1.078 | 2.254 | 0.046 | 9.288 | 1.079 | 0.084 |
| 278 | 2 | F | 323 | 1.995 | 1.006 | 2.413 | 0.092 | 14.157 | 2.216 | 0.123 |
| 283 | 2 | F | 288 | 1.948 | 1.059 | 2.450 | 0.077 | 8.984 | 1.014 | 0.117 |
| 284 | 2 | F | 289 | 2.019 | 0.955 | 2.262 | 0.059 | 9.852 | 0.813 | 0.088 |
| 285 | 2 | F | 267 | 1.967 | 0.984 | 2.154 | 0.059 | 7.705 | 0.547 | 0.092 |
| 288 | 2 | F | 265 | 2.055 | 1.135 | 2.421 | 0.097 | 8.973 | 0.773 | 0.155 |
| 290 | 2 | F | 287 | 2.033 | 1.061 | 2.180 | 0.068 | 9.588 | 0.667 | 0.136 |
| 291 | 2 | F | 269 | 2.016 | 1.038 | 2.115 | 0.073 | 9.685 | 0.827 | 0.112 |
| 292 | 2 | F | 325 | 1.950 | 1.244 | 2.598 | 0.076 | 16.513 | 8.735 | 0.171 |
| 293 | 2 | F | 275 | 1.918 | 1.183 | 2.253 | 0.077 | 8.745 | 1.005 | 0.145 |
| 295 | 2 | F | 313 | 2.015 | 1.038 | 2.202 | 0.052 | 9.161 | 0.618 | 0.166 |
| 296 | 2 | F | 273 | 1.940 | 1.046 | 2.300 | 0.077 | 13.125 | 5.828 | 0.127 |
| 301 | 3 | M | 402 | 2.337 | 1.334 | 4.130 | 0.074 | 18.818 | 7.235 | --- |
| 306 | 3 | M | 318 | 2.179 | 1.151 | 3.620 | 0.075 | 12.466 | 0.995 | --- |
| 307 | 3 | M | 383 | 2.220 | 1.322 | 3.084 | 0.074 | 11.161 | 1.827 | --- |
| 308 | 3 | M | 408 | 2.294 | 1.134 | 3.333 | 0.068 | 14.569 | 1.228 | --- |
| 313 | 3 | M | 418 | 2.279 | 1.217 | 3.013 | 0.058 | 11.938 | 1.022 | --- |
| 315 | 3 | M | 416 | 2.349 | 1.389 | 4.369 | 0.083 | 15.167 | 1.620 | --- |
| 318 | 3 | M | 391 | 2.198 | 1.230 | 4.009 | 0.071 | 16.085 | 1.478 | --- |
| 319 | 3 | M | 398 | 2.158 | 1.367 | 3.221 | 0.054 | 12.463 | 1.680 | --- |
| 321 | 3 | M | 435 | 2.238 | 1.286 | 3.272 | 0.069 | 14.896 | 1.801 | --- |
| 328 | 3 | M | 382 | 2.030 | 1.883 | 3.765 | --- | 15.587 | 1.378 | --- |
| 336 | 3 | M | 381 | 2.268 | 1.206 | 4.014 | 0.061 | --- | 2.259 | --- |
| 340 | 3 | M | 398 | 2.223 | 1.135 | 3.262 | 0.050 | 12.892 | 1.425 | --- |
| 341 | 3 | M | 406 | 2.238 | 1.463 | 3.300 | 0.068 | 13.934 | 3.002 | --- |
| 342 | 3 | M | 423 | 2.280 | 1.429 | 3.501 | 0.074 | 14.600 | 1.839 | --- |
| 347 | 3 | M | 369 | 2.387 | 1.814 | 5.797 | 0.119 | 19.502 | 1.759 | --- |
| 354 | 3 | M | 409 | 2.337 | 1.994 | 4.232 | 0.080 | --- | 3.007 | --- |
| 355 | 3 | M | 411 | 2.224 | 1.444 | 3.698 | 0.070 | 16.234 | 1.333 | --- |
| 356 | 3 | M | 369 | 2.190 | 1.193 | 3.353 | 0.086 | 16.115 | 1.335 | --- |
| 357 | 3 | M | 407 | 2.238 | 1.280 | 3.558 | 0.076 | 18.980 | 2.080 | --- |
| 359 | 3 | M | 440 | 2.276 | 1.416 | 3.914 | 0.073 | 15.184 | 1.755 | --- |
| 360 | 3 | M | 402 | 2.254 | 1.278 | 3.668 | 0.069 | 13.802 | 2.294 | --- |
| 364 | 3 | M | 322 | 2.251 | 1.615 | 5.586 | 0.127 | 17.294 | 2.656 | --- |
| 365 | 3 | M | 346 | 2.200 | 1.466 | 4.520 | 0.063 | 19.250 | 5.584 | --- |
| 368 | 3 | M | 396 | 2.240 | 1.343 | 3.641 | 0.066 | 14.885 | 1.566 | --- |
| 370 | 3 | M | 363 | 2.191 | 1.265 | 3.184 | 0.057 | 14.350 | 1.126 | --- |
| 375 | 3 | M | 384 | 2.270 | 1.687 | 3.485 | 0.070 | 15.446 | 2.198 | --- |
| 376 | 3 | F | 269 | 2.056 | 1.007 | 2.096 | 0.072 | 7.910 | 1.225 | 0.132 |

--- = NO AVAILABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 379 | 3 | F | 289 | 1.952 | 0.983 | 2.632 | 0.052 | 10.286 | 0.600 | 0.098 |
| 380 | 3 | F | 253 | 2.008 | 0.955 | 2.002 | 0.054 | 9.777 | 0.977 | 0.135 |
| 381 | 3 | F | 276 | 1.981 | 1.031 | 2.116 | 0.061 | 8.468 | 0.600 | 0.148 |
| 382 | 3 | F | 306 | 2.003 | 1.045 | 2.245 | 0.060 | 10.592 | 0.626 | 0.099 |
| 384 | 3 | F | 267 | 2.134 | 1.104 | 2.428 | 0.080 | 8.885 | 1.122 | --- |
| 385 | 3 | F | 257 | 1.995 | 1.553 | 2.495 | 0.071 | 9.881 | 1.017 | 0.094 |
| 389 | 3 | F | 251 | 1.978 | 1.178 | 2.107 | 0.067 | 8.621 | 1.403 | 0.116 |
| 390 | 3 | F | 381 | 2.095 | 0.979 | 2.091 | 0.058 | 8.547 | 0.542 | 0.147 |
| 391 | 3 | F | 300 | 2.045 | 1.015 | 2.191 | 0.071 | 9.608 | 1.071 | 0.147 |
| 392 | 3 | F | 268 | 2.026 | 0.945 | 2.094 | 0.058 | 9.257 | 0.550 | 0.120 |
| 398 | 3 | F | 281 | 2.057 | 0.964 | 2.250 | 0.067 | 7.879 | 0.641 | 0.101 |
| 400 | 3 | F | 247 | 1.965 | 0.941 | 1.979 | 0.055 | 7.461 | 1.197 | 0.100 |
| 401 | 3 | F | 302 | 2.083 | 1.001 | 2.323 | 0.071 | 10.108 | 1.618 | 0.155 |
| 402 | 3 | F | 311 | 1.956 | 1.087 | 2.563 | 0.067 | 9.930 | 0.885 | 0.093 |
| 403 | 3 | F | 290 | 2.095 | 0.993 | 2.140 | 0.050 | 7.755 | 0.588 | 0.120 |
| 405 | 3 | F | 305 | 2.048 | 1.009 | 2.811 | 0.068 | 10.365 | 0.649 | 0.104 |
| 407 | 3 | F | 328 | 2.140 | 1.132 | 2.567 | 0.082 | 15.105 | 2.615 | 0.108 |
| 409 | 3 | F | 325 | 2.032 | 1.046 | 2.385 | 0.058 | 9.694 | 0.889 | 0.124 |
| 410 | 3 | F | 271 | 1.991 | 1.077 | 2.388 | 0.071 | 10.469 | 0.738 | 0.144 |
| 413 | 3 | F | 292 | 2.073 | 1.025 | 2.280 | 0.098 | 8.776 | 0.972 | 0.234 |
| 416 | 3 | F | 312 | 1.976 | 1.090 | 2.535 | 0.068 | 10.613 | 0.963 | 0.118 |
| 418 | 3 | F | 316 | 1.968 | 0.916 | 2.155 | 0.052 | 8.820 | 0.641 | 0.092 |
| 419 | 3 | F | 326 | 1.197 | 1.056 | 2.251 | 0.058 | 9.219 | 1.030 | 0.103 |
| 421 | 3 | F | 290 | 2.122 | 0.989 | 2.131 | 0.067 | 8.424 | 0.710 | 0.122 |
| 422 | 3 | F | 285 | 2.067 | 0.962 | 2.497 | 0.060 | 8.534 | 0.620 | 0.110 |
| 423 | 3 | F | 322 | 1.999 | 0.943 | 2.267 | 0.058 | 9.887 | 0.871 | 0.141 |
| 424 | 3 | F | 363 | 2.109 | 1.032 | 2.507 | 0.074 | 12.451 | 0.933 | 0.157 |
| 426 | 3 | F | 332 | 2.042 | 1.122 | 2.415 | 0.068 | 10.255 | 0.961 | 0.127 |
| 427 | 3 | F | 267 | 2.036 | 1.020 | 2.372 | 0.071 | 9.823 | 0.529 | 0.131 |
| 430 | 3 | F | 252 | 2.024 | 0.878 | 2.030 | 0.045 | 7.965 | 0.758 | 0.086 |
| 431 | 3 | F | 308 | 2.007 | 0.993 | 2.253 | 0.051 | 8.896 | 0.744 | 0.122 |
| 432 | 3 | F | 285 | 2.056 | 1.063 | 2.510 | 0.078 | 10.760 | 0.598 | 0.109 |
| 436 | 3 | F | 277 | 1.966 | 0.961 | 2.171 | 0.059 | 8.424 | 0.559 | 0.131 |
| 440 | 3 | F | 201 | 1.961 | 1.098 | 2.128 | 0.054 | 7.995 | 0.657 | 0.130 |
| 441 | 3 | F | 215 | 2.060 | 1.020 | 2.180 | 0.079 | 11.118 | 9.802 | 0.120 |
| 443 | 3 | F | 270 | 1.953 | 1.038 | 2.571 | 0.097 | 11.333 | 2.224 | 0.103 |
| 445 | 3 | F | 289 | 2.090 | 1.222 | 2.523 | 0.062 | 12.133 | 2.144 | 0.082 |
| 446 | 3 | F | 315 | 2.118 | 0.996 | 2.294 | 0.070 | 8.884 | 0.581 | 0.149 |
| 447 | 3 | F | 285 | 1.987 | 0.973 | 2.294 | 0.062 | 8.950 | 0.440 | 0.118 |
| 451 | 4 | M | 354 | 2.200 | 1.279 | 3.437 | 0.079 | 16.192 | 1.379 | --- |
| 452 | 4 | M | 402 | 2.168 | 1.245 | 3.275 | 0.081 | 13.490 | 1.715 | --- |

--- NO AVAILABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO | TRT GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 453 | 4 | M | 420 | 2.183 | 1.281 | 3.154 | 0.057 | 19.316 | 1.493 | --- |
| 454 | 4 | M | 402 | 2.230 | 1.593 | 3.825 | 0.066 | 16.275 | 1.364 | --- |
| 459 | 4 | M | 346 | 2.174 | 1.311 | 3.126 | 0.055 | 12.412 | 1.380 | --- |
| 467 | 4 | M | 370 | 2.245 | 1.280 | 3.665 | 0.062 | 14.555 | 1.366 | --- |
| 474 | 4 | M | 345 | 2.285 | 1.397 | 3.699 | 0.065 | 21.074 | 6.912 | --- |
| 475 | 4 | M | 386 | 2.345 | 1.442 | 3.780 | 0.074 | 14.482 | 1.552 | --- |
| 477 | 4 | M | 381 | 2.196 | 1.526 | 3.740 | --- | 18.415 | 1.695 | --- |
| 478 | 4 | M | 360 | 2.125 | 1.525 | 3.481 | 0.093 | 16.672 | 8.081 | --- |
| 484 | 4 | M | 359 | 2.103 | 1.404 | 3.749 | 0.071 | 15.436 | 1.469 | --- |
| 487 | 4 | M | 383 | 2.379 | 1.403 | 3.749 | 0.061 | 20.885 | 6.335 | --- |
| 488 | 4 | M | 349 | 2.176 | 1.762 | 2.820 | 0.080 | 11.343 | 1.191 | --- |
| 489 | 4 | M | 417 | 2.165 | 1.054 | 2.238 | 0.058 | 13.328 | --- | --- |
| 493 | 4 | M | 344 | 2.290 | 1.257 | 3.175 | 0.063 | 15.850 | 2.860 | --- |
| 494 | 4 | M | 298 | 2.196 | 1.476 | 4.532 | 0.091 | 20.853 | 12.753 | --- |
| 499 | 4 | M | 439 | 2.441 | 1.576 | 3.230 | 0.058 | 16.887 | 5.350 | --- |
| 502 | 4 | M | 392 | 2.241 | 1.561 | 4.151 | 0.096 | --- | 1.587 | --- |
| 504 | 4 | M | 363 | 2.221 | 1.279 | 3.595 | 0.062 | 16.180 | 2.877 | --- |
| 507 | 4 | M | 336 | 2.211 | 1.409 | 4.002 | 0.077 | 16.351 | 2.280 | --- |
| 510 | 4 | M | 344 | 2.076 | 1.606 | 3.546 | 0.068 | 13.767 | 1.408 | --- |
| 512 | 4 | M | 355 | 2.254 | 1.545 | 5.495 | 0.077 | 19.123 | 1.422 | --- |
| 514 | 4 | M | 241 | 2.104 | 2.145 | 3.907 | 0.107 | 11.382 | 2.089 | --- |
| 518 | 4 | M | 348 | 2.324 | 1.550 | 4.761 | 0.075 | 22.002 | 6.476 | --- |
| 519 | 4 | M | 268 | 2.159 | 1.533 | 5.351 | 0.147 | 20.703 | 6.624 | --- |
| 520 | 4 | M | 393 | 2.299 | 1.499 | --- | 0.088 | 18.724 | 2.579 | --- |
| 521 | 4 | M | 332 | 2.158 | 1.264 | 3.200 | 0.059 | 13.111 | 1.345 | --- |
| 523 | 4 | M | 352 | 2.144 | 1.228 | 3.710 | 0.053 | 16.957 | 1.596 | --- |
| 524 | 4 | M | 366 | 2.179 | 1.237 | 3.667 | 0.050 | 16.485 | 1.501 | --- |
| 525 | 4 | M | 231 | 2.292 | 1.293 | 2.799 | 0.076 | 9.372 | 0.719 | --- |
| 528 | 4 | F | 244 | 1.788 | 1.006 | 2.038 | 0.067 | 9.008 | 0.695 | --- |
| 530 | 4 | F | 187 | 1.913 | 0.955 | 2.371 | 0.064 | 8.101 | 0.430 | 0.059 |
| 532 | 4 | F | 250 | 2.092 | 0.998 | 2.382 | --- | 7.141 | 0.795 | 0.131 |
| 533 | 4 | F | 259 | 2.136 | 0.924 | 2.186 | 0.058 | 8.927 | 1.204 | 0.153 |
| 535 | 4 | F | 300 | 1.960 | 1.042 | 2.258 | 0.057 | 8.735 | 0.665 | 0.084 |
| 537 | 4 | F | 288 | 2.022 | 0.982 | 2.123 | 0.066 | 8.968 | 0.620 | 0.153 |
| 539 | 4 | F | 247 | 2.130 | 1.489 | 2.513 | 0.055 | 9.391 | 1.002 | 0.089 |
| 540 | 4 | F | 279 | 1.950 | 0.999 | 2.374 | 0.064 | 9.042 | 1.058 | 0.107 |
| 541 | 4 | F | 282 | 2.048 | 1.047 | 2.284 | 0.057 | 10.160 | 0.767 | 0.106 |
| 545 | 4 | F | 166 | 1.950 | 1.379 | 2.684 | 0.060 | 11.308 | 5.549 | 0.061 |
| 546 | 4 | F | 210 | 1.803 | 0.923 | 2.654 | 0.058 | 10.591 | 0.803 | 0.077 |
| 547 | 4 | F | 269 | 2.033 | 0.948 | 2.262 | 0.056 | 8.007 | 0.611 | 0.094 |
| 549 | 4 | F | 231 | 2.004 | 0.929 | 2.322 | 0.061 | 8.990 | 0.560 | 0.101 |

--- = NO AVAILABLE DATA

Table VI.[illegible]c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO. | TR GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 550 | 4 | F | 297 | 2.047 | 1.141 | 2.552 | 0.083 | 10.085 | 0.617 | 0.138 |
| 553 | 4 | F | 271 | 2.031 | 1.018 | 2.497 | 0.078 | 11.913 | 1.020 | 0.133 |
| 554 | 4 | F | 269 | 1.938 | 0.917 | 2.230 | 0.053 | 8.060 | 0.604 | 0.123 |
| 556 | 4 | F | 280 | 1.985 | 0.952 | 2.166 | 0.071 | 8.364 | 0.629 | 0.137 |
| 558 | 4 | F | 271 | 2.037 | 1.005 | 2.354 | 0.069 | 8.765 | 0.644 | 0.144 |
| 559 | 4 | F | 260 | 2.071 | 1.063 | 2.213 | 0.063 | 7.906 | 0.575 | 0.132 |
| 562 | 4 | F | 270 | 2.045 | 0.892 | 2.073 | 0.055 | 8.213 | 0.850 | 0.130 |
| 563 | 4 | F | 284 | 2.046 | 0.960 | 2.452 | 0.062 | 9.341 | 0.621 | 0.116 |
| 564 | 4 | F | 284 | 2.088 | 0.986 | 2.293 | 0.057 | 9.710 | 0.678 | 0.110 |
| 565 | 4 | F | 277 | 1.987 | 0.942 | 2.237 | 0.061 | 9.344 | 0.690 | 0.111 |
| 569 | 4 | F | 226 | 1.839 | 0.790 | 2.005 | 0.051 | 7.273 | 0.536 | 0.117 |
| 571 | 4 | F | 305 | 2.004 | 0.992 | 2.308 | 0.060 | 8.687 | 0.650 | 0.093 |
| 572 | 4 | F | 273 | 1.966 | 1.112 | 2.502 | 0.064 | 13.303 | 1.672 | 0.112 |
| 573 | 4 | F | 282 | 2.031 | 1.027 | 2.362 | 0.075 | 9.830 | 0.737 | 0.145 |
| 574 | 4 | F | 211 | 1.930 | 1.001 | 2.482 | 0.112 | 11.921 | 2.343 | 0.067 |
| 575 | 4 | F | 256 | 1.941 | 1.077 | 2.147 | 0.053 | 9.614 | 0.645 | 0.115 |
| 576 | 4 | F | 227 | 2.030 | 0.925 | 2.318 | 0.086 | 12.455 | 1.930 | 0.089 |
| 577 | 4 | F | 291 | 2.019 | 1.123 | 2.599 | 0.061 | 9.571 | 0.624 | 0.115 |
| 578 | 4 | F | 262 | 1.952 | 1.121 | 2.150 | 0.076 | 9.484 | 0.751 | 0.174 |
| 579 | 4 | F | 142 | 1.909 | 0.644 | 1.557 | 0.038 | 4.216 | 0.312 | 0.060 |
| 584 | 4 | F | 223 | 1.962 | 0.983 | 2.282 | 0.062 | 7.692 | 0.492 | 0.110 |
| 586 | 4 | F | 238 | 2.015 | 0.861 | 2.170 | 0.046 | 7.347 | 0.680 | 0.120 |
| 587 | 4 | F | 298 | 2.018 | 1.101 | 2.501 | 0.084 | 11.345 | 1.001 | 0.111 |
| 589 | 4 | F | 292 | 1.982 | 1.005 | 2.362 | 0.056 | 9.234 | 0.804 | 0.093 |
| 590 | 4 | F | 285 | 1.967 | 1.002 | 2.211 | 0.099 | 8.895 | 0.617 | --- |
| 591 | 4 | F | 276 | 2.064 | 0.997 | 2.230 | 0.058 | 9.136 | 0.677 | 0.107 |
| 592 | 4 | F | 274 | 2.046 | 1.037 | 2.411 | 0.055 | 9.897 | 0.678 | 0.123 |
| 593 | 4 | F | 269 | 2.039 | 0.950 | 2.303 | 0.067 | 9.160 | 0.659 | 0.131 |
| 594 | 4 | F | 271 | 2.007 | 0.991 | 2.237 | 0.056 | 10.290 | 1.775 | 0.107 |
| 596 | 4 | F | 312 | 1.969 | 0.998 | 2.401 | 0.055 | 10.216 | 0.780 | 0.095 |
| 597 | 4 | F | 249 | 1.989 | 1.036 | 2.315 | 0.047 | 8.239 | 0.648 | 0.111 |
| 598 | 4 | F | 274 | 1.925 | 0.966 | 2.437 | 0.050 | 8.163 | 0.747 | 0.117 |
| 600 | 4 | F | 306 | 1.977 | 1.135 | 2.408 | 0.080 | 9.968 | 2.465 | 0.157 |
| 601 | 5 | M | 309 | 2.188 | 1.157 | 4.200 | 0.054 | --- | 1.352 | --- |
| 602 | 5 | M | 339 | 2.181 | 1.322 | 3.893 | 0.059 | 17.843 | 1.700 | --- |
| 604 | 5 | M | 269 | 2.181 | 1.215 | 2.880 | 0.085 | 13.750 | 1.000 | --- |
| 608 | 5 | M | 290 | 2.290 | 1.280 | 3.759 | 0.073 | 16.572 | 1.379 | --- |
| 609 | 5 | M | 332 | 2.274 | 1.144 | 3.065 | 0.047 | 12.579 | 1.149 | --- |
| 610 | 5 | M | 313 | 2.139 | 1.190 | 2.853 | 0.063 | 14.904 | 1.357 | --- |
| 611 | 5 | M | 333 | 2.230 | 1.222 | 3.356 | 0.052 | 15.434 | 1.291 | --- |
| 612 | 5 | M | 316 | 2.200 | 1.387 | 4.061 | 0.071 | 18.398 | 1.028 | --- |

--- NO AVAILABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) - TEST WEEK 105

| ANIMAL NO | TRGROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 613 | 5 | M | 282 | 2.073 | 1.845 | 4.170 | 0.193 | 14.473 | 0.972 | --- |
| 616 | 5 | M | 216 | 2.020 | 1.450 | 2.894 | 0.090 | 11.299 | 0.312 | --- |
| 617 | 5 | M | 302 | 2.151 | 1.384 | 3.171 | 0.049 | 12.590 | 1.164 | --- |
| 618 | 5 | M | 225 | 2.119 | 1.220 | 3.162 | 0.076 | 13.062 | 0.643 | --- |
| 620 | 5 | M | 326 | 2.091 | 1.151 | 3.223 | 0.050 | 15.176 | 1.549 | --- |
| 621 | 5 | M | 238 | 2.120 | 1.148 | 3.756 | 0.066 | 14.925 | 0.987 | --- |
| 623 | 5 | M | 320 | 2.182 | 1.257 | 3.201 | 0.052 | 14.828 | 1.272 | --- |
| 624 | 5 | M | 321 | 2.085 | 1.094 | 2.930 | 0.052 | 16.273 | 1.137 | --- |
| 626 | 5 | M | 213 | 1.900 | 1.125 | 2.767 | 0.055 | 15.344 | 0.624 | --- |
| 629 | 5 | M | 307 | 2.294 | 1.231 | 3.613 | 0.086 | 16.296 | 1.284 | --- |
| 632 | 5 | M | 309 | 2.113 | 1.102 | 3.425 | 0.075 | 17.516 | 1.195 | --- |
| 635 | 5 | M | 286 | 2.163 | 1.151 | 4.164 | 0.049 | 13.056 | 1.145 | --- |
| 637 | 5 | M | 343 | 2.167 | 1.389 | 3.329 | 0.058 | 15.148 | 1.380 | --- |
| 638 | 5 | M | 309 | 2.211 | 1.089 | 3.036 | 0.067 | 14.742 | 1.291 | --- |
| 639 | 5 | M | 313 | 2.148 | 1.132 | 3.367 | 0.053 | 14.236 | 1.203 | --- |
| 640 | 5 | M | 215 | 2.254 | 1.118 | 3.350 | --- | 17.280 | 0.848 | --- |
| 642 | 5 | M | 313 | 2.228 | 1.227 | 3.484 | 0.067 | 17.322 | 1.661 | --- |
| 645 | 5 | M | 251 | 2.090 | 1.113 | 3.462 | 0.067 | 16.354 | 1.168 | --- |
| 646 | 5 | M | 318 | 2.201 | 1.241 | 3.074 | 0.051 | 14.035 | 1.261 | --- |
| 647 | 5 | M | 323 | 2.076 | 1.214 | 3.192 | 0.057 | 14.043 | 1.390 | --- |
| 648 | 5 | M | 309 | 2.297 | 1.124 | 3.279 | 0.055 | 15.001 | 1.183 | --- |
| 651 | 5 | M | 326 | 2.218 | 1.342 | 3.285 | 0.061 | 15.913 | 1.530 | --- |
| 652 | 5 | M | 323 | 2.177 | 1.290 | 3.546 | 0.065 | 15.492 | 1.305 | --- |
| 653 | 5 | M | 216 | 2.225 | 0.986 | 2.795 | 0.068 | 10.452 | 0.812 | --- |
| 656 | 5 | M | 188 | 1.962 | 1.169 | 2.367 | 0.064 | 12.379 | 0.410 | --- |
| 659 | 5 | M | 310 | 2.202 | 1.213 | 4.005 | 0.064 | 18.156 | 1.417 | --- |
| 662 | 5 | M | 274 | 2.238 | 1.228 | 4.161 | 0.076 | 17.614 | 1.104 | --- |
| 665 | 5 | M | 286 | 2.231 | 1.270 | 4.175 | 0.093 | --- | 1.256 | --- |
| 667 | 5 | M | 285 | 2.065 | 1.270 | 4.398 | 0.068 | 15.794 | 1.309 | --- |
| 669 | 5 | M | 314 | 2.268 | 1.510 | 3.503 | 0.081 | 16.568 | 1.419 | --- |
| 673 | 5 | M | 338 | 2.090 | 1.262 | 3.362 | 0.046 | 17.306 | 1.471 | --- |
| 676 | 5 | F | 254 | 1.979 | 0.889 | 2.264 | 0.050 | 10.500 | 0.720 | 0.107 |
| 677 | 5 | F | 219 | 2.095 | 0.874 | 2.068 | 0.063 | 8.564 | 0.817 | 0.137 |
| 680 | 5 | F | 320 | 1.951 | 0.993 | 2.472 | 0.071 | 11.399 | 0.998 | 0.079 |
| 681 | 5 | F | 220 | 1.922 | 0.881 | 1.968 | 0.038 | 9.574 | 0.530 | 0.079 |
| 682 | 5 | F | 208 | 2.035 | 0.894 | 2.187 | 0.044 | 7.860 | 0.816 | 0.100 |
| 683 | 5 | F | 212 | 1.768 | 0.808 | 1.998 | 0.052 | 7.999 | 1.065 | 0.097 |
| 684 | 5 | F | 250 | 1.961 | 0.893 | 2.561 | 0.062 | 10.713 | 0.832 | 0.083 |
| 686 | 5 | F | 225 | 1.991 | 0.880 | 2.134 | 0.056 | 8.693 | 0.713 | 0.190 |
| 688 | 5 | F | 237 | 1.939 | 0.946 | 2.129 | 0.046 | 9.226 | 0.729 | 0.079 |
| 691 | 5 | F | 226 | 2.057 | 0.945 | 2.077 | 0.051 | 8.856 | 0.894 | 0.147 |

--- = NO AVAILABLE DATA

Table VI.6c (continued)

TWENTY FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF
TRINITROTOLUENE(TNT) IN THE FISCHER 344 RAT
INDIVIDUAL ORGAN WEIGHT VALUES (g) TEST WEEK 105

| ANIMAL NO | TRT GROUP | SEX | BODY WT | BRAIN | HEART | KIDNEYS | ADRENALS | LIVER | SPLEEN | GONADS |
|---|---|---|---|---|---|---|---|---|---|---|
| 692 | 5 | F | 224 | 2.133 | 1.039 | 2.291 | 0.069 | 9.202 | 1.068 | 0.131 |
| 694 | 5 | F | 224 | 1.977 | 0.847 | 2.161 | 0.036 | 8.082 | 0.652 | 0.078 |
| 696 | 5 | F | 213 | 2.031 | 0.780 | 2.203 | 0.048 | 8.022 | 0.809 | 0.101 |
| 698 | 5 | F | 257 | 1.942 | 0.870 | 2.112 | 0.057 | 12.419 | 0.826 | 0.071 |
| 700 | 5 | F | 232 | 2.003 | 0.890 | 2.155 | 0.049 | 8.792 | 0.725 | 0.100 |
| 701 | 5 | F | 212 | 1.985 | 0.941 | 2.287 | 0.054 | 8.559 | 0.641 | 0.135 |
| 702 | 5 | F | 220 | 1.983 | 0.924 | 2.352 | 0.050 | 9.109 | 0.628 | 0.105 |
| 703 | 5 | F | 226 | 1.986 | 0.914 | 2.047 | 0.054 | 9.185 | 1.059 | 0.119 |
| 704 | 5 | F | 210 | 1.850 | 0.780 | 1.665 | 0.038 | 7.209 | 0.704 | 0.112 |
| 705 | 5 | F | 208 | 1.789 | 0.871 | 1.902 | 0.048 | 8.088 | --- | 0.070 |
| 707 | 5 | F | 192 | 1.990 | 0.832 | 1.928 | 0.041 | 7.397 | 0.670 | 0.090 |
| 709 | 5 | F | 231 | 1.941 | 0.863 | 1.985 | 0.048 | 8.101 | 0.688 | 0.099 |
| 710 | 5 | F | 231 | 2.074 | 0.993 | 2.253 | 0.064 | 9.202 | 0.796 | 0.128 |
| 711 | 5 | F | 211 | 1.926 | 0.820 | 2.065 | 0.041 | 7.909 | 0.657 | 0.083 |
| 712 | 5 | F | 202 | 1.831 | 0.884 | 2.142 | 0.053 | 8.381 | 0.551 | 0.080 |
| 714 | 5 | F | 231 | 1.973 | 0.829 | 2.071 | 0.058 | 8.205 | 0.746 | 0.101 |
| 715 | 5 | F | 210 | 1.945 | 0.764 | 2.073 | 0.038 | 8.272 | 0.581 | 0.071 |
| 722 | 5 | F | 254 | 2.013 | 1.063 | 2.256 | 0.067 | 10.564 | 0.937 | 0.133 |
| 724 | 5 | F | 236 | 2.050 | 0.984 | 2.609 | 0.063 | 10.142 | 0.899 | 0.116 |
| 726 | 5 | F | 215 | 1.915 | 0.838 | 2.056 | 0.061 | 7.784 | 0.701 | 0.103 |
| 728 | 5 | F | 255 | 2.038 | 1.030 | 2.368 | 0.070 | 9.827 | 0.803 | 0.114 |
| 729 | 5 | F | 210 | 1.884 | 0.863 | 2.290 | 0.062 | 8.209 | 0.583 | 0.123 |
| 731 | 5 | F | 217 | 1.962 | 0.929 | 1.951 | 0.055 | 9.203 | 0.700 | 0.139 |
| 732 | 5 | F | 210 | 1.972 | 0.855 | 2.367 | 0.059 | 8.763 | 0.765 | --- |
| 733 | 5 | F | 226 | 1.959 | 1.026 | 2.381 | 0.060 | 11.499 | 2.541 | 0.110 |
| 736 | 5 | F | 218 | 1.872 | 0.932 | 2.221 | 0.055 | 8.372 | 0.805 | 0.091 |
| 738 | 5 | F | 237 | 1.972 | 0.945 | 2.410 | 0.071 | 11.247 | 0.814 | 0.118 |
| 740 | 5 | F | 213 | 1.937 | 0.845 | 2.371 | 0.046 | 8.813 | 0.861 | 0.097 |
| 741 | 5 | F | 251 | 2.082 | 1.051 | 2.729 | 0.063 | 11.474 | 1.262 | 0.163 |
| 742 | 5 | F | 243 | 2.001 | 0.965 | 2.123 | 0.227 | 9.971 | 0.780 | 0.121 |
| 743 | 5 | F | 219 | 1.990 | 0.888 | 2.142 | 0.061 | 9.531 | 0.791 | 0.127 |
| 744 | 5 | F | 230 | 1.983 | 1.094 | 2.161 | 0.057 | 9.148 | 0.771 | 0.102 |
| 745 | 5 | F | 203 | 1.885 | 0.865 | 3.476 | 0.046 | 10.573 | 0.763 | 0.125 |
| 746 | 5 | F | 230 | 1.979 | 0.883 | 2.328 | 0.052 | 9.433 | 1.196 | 0.101 |
| 748 | 5 | F | 240 | 2.011 | 0.848 | 2.305 | 0.052 | 9.728 | 0.767 | 0.108 |
| 749 | 5 | F | 255 | 1.953 | 0.947 | 2.399 | 0.054 | 9.924 | 0.822 | 0.089 |
| 750 | 5 | F | 217 | 2.042 | 0.843 | 2.024 | 0.057 | 8.831 | 0.655 | 0.101 |

--- = NO AVAILABLE DATA

APPENDIX VII

CHLORTETRACYCLINE CONTENT OF 5002

CHRLORTETRACYCLINE CONTENT OF 5002

ANALYTICAL RESULTS (ppm)

| SOURCE OF ANALYSIS | SAMPLE IDENTIFICATION A | B | C | D |
|---|---|---|---|---|
| TEI ANALYTICAL* | | | 9.9 | |
| TEI ANALYTICAL* | 12 | 9.9 | 7.7 | 10.2 |
| SCIENTIFIC ASSOCIATES** | 1.76 | 1.72 | 1.20 | 1.64 |
| WOODSEN-TENENT LABS, INC.** | N. D. | N. D. | N. D. | N. D. |
| HARRIS LABS, INC.** | <0.05 | <0.05 | <0.05 | <0.05 |

Sample A = Lot No Sept.18.81
Sample B = Lot No Dec.10.81
Sample C = Lot No March.24.82 (Original lot)
Sample D = Lot No Sept.10.82

*Method: Snell and Snell, Colorimetric method of analysis. Vol. IVAAA, pg. 184

**Method: AOAC, XIII, pg.722-723, paragraph 42.211-42.214;

N. D. - None Detected

# APPENDIX VIII

## NITRATE, NITRITE AND MERCURY CONTENT OF 5002

## NITRATE, NITRITE, AND MERCURY CONTENT OF 5002

| LOT NUMBER | NITRATES(ug/g) | NITRITES(ug/g) | MERCURY(ug/g) |
|---|---|---|---|
| JAN 15-812E | 32 | <0.1 | 0.02 |
| FEB 03-811B | 9.2 | <0.1 | 0.04 |
| JAN 21-811N | 32 | <0.1 | 0.11 |
| MARCH 05-811A | 13 | <0.1 | 0.14 |
| MARCH 17-811M | <3 | <0.1 | 0.02 |
| APRIL 30-811D | <3 | 0.3 | 0.01 |
| MAY 13-812K | 15.3 | 0.2 | <0.06 |
| JUNE 01-812D | <2.0 | 0.6 | <0.1 |
| AUG 04-811F | 28 | 0.5 | 0.03 |
| SEPT 18-811A | <2.0 | <0.1 | 0.05 |
| OCT 07-811J | 6.3 | 0.2 | 0.15 |
| NOV 12-811G | 16 | 0.4 | <0.02 |
| DEC 10-811A | 12 | <0.2 | 0.09 |
| JAN 22-821K | 14 | <0.2 | <0.05 |
| FEB 09-821C | 7.2 | 0.4 | 0.05 |
| MARCH 24-822G | 19.0 | 0.24 | <0.05 |
| MAY 12-822F | 16.4 | 0.1 | <0.05 |
| JUNE 04-821K | 17.0 | 0.1 | <0.05 |
| JULY 29-821G | 11.8 | 0.1 | 0.06 |
| SEPT 10-822J | 5.0 | 0.1 | 0.2 |
| OCT 20-822L | 4.7 | 0.1 | 0.2 |
| NOV 23-821M | 15.4 | 0.2 | 0.05 |

APPENDIX IX

CHICAGO WATER CHEMICAL ANALYSIS

CITY OF CHICAGO — DEPARTMENT OF WATER — BUREAU OF WATER OPERATIONS

WATER PURIFICATION DIVISION — WATER PURIFICATION LABORATORY

SAMPLES COLLECTED Feb. 3 19 82

# COMPREHENSIVE CHEMICAL ANALYSIS

ANALYSIS COMPLETED March 19 82

| | PARAMETER | IPCB MCL 1979 | DETERMINED AS | STORET NUMBER | SOUTH WATER DISTRICT RAW CRIB | SOUTH COMPOSITE SAMPLES OUTLET | SOUTH COMPOSITE SAMPLES DISTRIBUTION | CENTRAL AND NORTH WATER DISTRICTS RAW CRIB | C&N COMPOSITE SAMPLES OUTLET | C&N COMPOSITE SAMPLES CEN. DISTR | C&N COMPOSITE SAMPLES NOR DISTR. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TEMPERATURE | | °C | 00010 | 3 | 11 | 7 | 5 | 3 | 4 | 3 |
| | TURBIDITY | 1 | NTU | 00076 | 5.0 | 0.15 | 0.20 | 0.50 | 0.77 | 0.28 | 0.30 |
| | THRESHOLD ODOR, STRAIGHT | 3 | TON | 00086 | 20 | 1C | 1C | 20 | 1C | 1C | 1C |
| | THRESHOLD ODOR, DECHLORINATED | 3 | TON | | - | 1H | 1H | | 1H | 1H | 1H |
| | COLOR | 15 | Pt-Co UNITS | 00080 | 2 | 5 | 0 | 1 | 0 | 0 | 0 |
| | pH | 6.5-8.5 | STD UNITS | 00400 | 8.3 | 8.3 | 8.3 | 8.3 | 8.4 | 8.5 | 8.4 |
| M | ALKALINITY, PHTH | | $CaCO_3$ | 00415 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| I | ALKALINITY, TOTAL | | $CaCO_3$ | 00410 | 109 | 115 | 115 | 114 | 117 | 118 | 118 |
| L | SULFATE | 250 | $SO_4$ | 00945 | 25.0 | 27.5 | 28.3 | 23.0 | 24.2 | 27.5 | 24.5 |
| L | CHLORIDE | 250 | Cl | 00940 | 10.5 | 11.5 | 11.2 | 9.2 | 9.9 | 10.2 | 9.9 |
| I | FLUORIDE | 1.8 | F | 00950 | 0.16 | 0.90 | 0.96 | 0.14 | 0.88 | 0.92 | 0.97 |
| G | PHOSPHATE, TOTAL | | $PO_4$ | 00650 | 0.05 | 0.02 | 0.02 | 0.07 | 0.04 | 0.02 | 0.02 |
| R | PHOSPHATE, DISSOLVED | | $PO_4$ | 00653 | 0.01 | 0.01 | 0.01 | 0.01 | <0.01 | 0.01 | <0.01 |
| A | SILICA | | $SiO_2$ | 00956 | 0.9 | 1.1 | 1.1 | 1.0 | 1.2 | 1.2 | 1.3 |
| M | CALCIUM | | Ca | 00916 | 38 | 41 | 40 | 40 | 40 | 41 | 40 |
| S | MAGNESIUM | | Mg | 00927 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| / | POTASSIUM | | K | 00937 | 1.9 | 1.7 | 2.0 | 1.8 | 1.5 | 1.6 | 1.5 |
| L | SODIUM | | Na | 00929 | 5.2 | 5.2 | 5.2 | 4.9 | 4.8 | 4.8 | 4.8 |
| I | RESIDUE, TOTAL | | TOT. SOLIDS | 00500 | 179 | 175 | 177 | 162 | 169 | 164 | 167 |
| T | RESIDUE, FILTRABLE | 500 | DISS. SOLIDS | 00515 | 176 | 172 | 177 | 162 | 158 | 164 | 161 |
| E | OXYGEN, DISSOLVED | | $O_2$ | 00300 | 14.1 | 13.8 | 12.7 | 14.2 | 14.2 | 13.5 | 13.8 |
| R | OXYGEN DEMAND, CHEMICAL | | O | 00335 | 15.4 | 6.5 | 10.3 | 15.4 | 7.2 | 6.2 | 9.3 |
| | NITROGEN, AMMONIA | | N | 00610 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| | NITROGEN, NITRITE/NITRATE | 1/10 | N | 00630 | 0.27 | 0.26 | 0.26 | 0.22 | 0.25 | 0.25 | 0.28 |
| | NITROGEN, ORGANIC | | N | 00605 | 0.09 | 0.10 | 0.08 | 0.10 | 0.08 | 0.08 | 0.10 |
| mg/l | CYANIDE | 0.2 | CN | 00720 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 |
| | FOAMING AGENTS | 0.5 | MBAS | 38260 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | HARDNESS | | $CaCO_3$ | 00900 | 136 | 144 | 141 | 141 | 141 | 144 | 141 |
| M | ALUMINUM | | Al | 01150 | <10 | 230 | 220 | <10 | 145 | 160 | 135 |
| I | ARSENIC | 50 | As | 01002 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| C | BARIUM | 1000 | Ba | 01007 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| R | BORON | 1000 | B | 01022 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| O | CADMIUM | 10 | Cd | 01027 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| G | CHROMIUM | 50 | Cr | 01034 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| R | COBALT | | Co | 01037 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| A | COPPER | 5000 | Cu | 01042 | 2 | <1 | <1 | <1 | <1 | <1 | <1 |
| M | IRON, TOTAL | 1000 | Fe | 01045 | 105 | 10 | <10 | <10 | <10 | 10 | <10 |
| S | LEAD | 50 | Pb | 01051 | 5 | <1 | <1 | <1 | <1 | <1 | <1 |
| / | LITHIUM | | Li | 01132 | 2 | 8 | 5 | 2 | 2 | 2 | 2 |
| L | MANGANESE | 150 | Mn | 01055 | 4 | 1 | 1 | 2 | 1 | 1 | 1 |
| I | MERCURY | 2 | Hg | 71900 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| T | NICKEL | | Ni | 01067 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| E | STRONTIUM | | Sr | 01082 | 160 | 130 | 150 | 130 | 140 | 130 | 130 |
| R | ZINC | 5000 | Zn | 01092 | 3 | <1 | 10 | 5 | <1 | 9 | 10 |
| µg/l | PHENOL-LIKE SUBSTANCES | 1 | PHENOL | 32730 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | SILVER | 50 | Ag | 01077 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | SELENIUM | 10 | Se | 01145 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| | RADIOACTIVITY | 50 | BETA Pc/l | 03501 | | EQUIPMENT | NON - | FUNCTIONAL | | | |
| | SATURATION INDEX | | (L) | | -0.13 | +0.06 | +0.11 | +0.07 | +0.13 | +0.27 | +0.13 |

REV 6-81

[signature] CHIEF WATER CHEMIST — [signature] DIR. WATER PURIFICATION LABORATORIES — H.M. Pawlowski ENGINEER OF WATER PURIFICATION

# APPENDIX X

# OPHTHALMOLOGY NARRATIVE REPORT

# SUMMARY OF OPHTHALMIC FINDINGS

Ocular conjunctivitis, discharge, keratitis, and corneal scarring/pigmentation were observed in all test groups at similar frequencies, and were not considered to be treatment-related. Throughout the study, a number of animals used for orbital bleeding demonstrated ocular lesions. The lesions in these animals included anophthalmia, phthisis, anterior and posterior synechiae, uveitis, cataracts and retinal vascular attenuation. At all test weeks observed for ophthalmic abnormalities (25, 51, 77, and 103), 50% or greater of the animals observed with ophthalmic lesions had been used for orbital bleeding. Ocular trauma or penetration at the time of bleeding may have been responsible for the aforementioned abnormalities. Statistical evaluation of the incidence of cataracts seen during Test Week 103 of animals used versus not used for orbital sinus bleedings demonstrated that the bleeding procedure did not appear to be responsible for cataract formation (Table 1).

At Test Week 103, a higher incidence of cataracts was observed in all test groups. Although the incidences of cataracts among TNT-treated animals were greater than for control animals, they were not significantly different except for low dose females (Table 2). The lack of a dose-response relationship suggests that this observation is spurious. Many of these lesions were focal opacities on the posterior lens capsule associated with vitreal precipitates and can be considered aging changes.

In summary, ocular abnormalities observed in this study appeared to occur randomly with respect to control and treatment groups, and were not considered to be treatment-related.

C. Sue West DVM

C. Sue West, D.V.M.
Diplomate, American College
of Veterinary Ophthalmologists

Date [illegible]

Table 1

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY
OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

EFFECT OF ORBITAL SINUS BLOOD COLLECTION ON CATARACTFORMATION SEEN AT TEST WEEK 103

| | Cataracts | | No Cataracts | | Total Animals | |
|---|---|---|---|---|---|---|
| | M | F | M | F | M | F |
| Animals used for orbital sinus blood collection* | 15 | 17 | 71 | 73 | 86 | 90 |
| Animals not used for orbital sinus blood collection* | 20 | 14 | 67 | 77 | 87 | 91 |

*Differences not significant at $p<0.05$

Table 2

TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN THE B6C3F1 HYBRID MOUSE

INCIDENCE OF CATARACTS AT TEST WEEK 103

| Dose (mg/kg/day) | Males | Females |
|---|---|---|
| 0.0 | 7/43 | 3/41 |
| 1.5 | 8/44 | 11/43* |
| 10.0 | 6/43 | 8/47 |
| 70.0 | 13/43 | 9/50 |

* Significantly different from appropriate control group, $p<0.05$.

Study Number L06116-11
Test Article: TNT
Species: B6C3F1 Mice

OPHTHALMIC INCIDENCE TABLE

SUMMARY - TEST WEEK 25

| | Dose (mg/kg/day) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Males | | | | Females | | | |
| LESION | 0.0 | 1.5 | 10.0 | 70.0 | 0.0 | 1.5 | 10.0 | 70.0 |
| Blepharitis | 1/75 | 0/75 | 0/73 | 1/75 | 0/74 | 0/74 | 0/75 | 0/75 |
| Ocular Discharge | 0/75 | 0/75 | 1/73 | 1/75 | 0/74 | 0/74 | 0/75 | 1/75 |
| Conjuctivitis | 2/75 | 1/75 | 1/73 | 2/75 | 0/74 | 0/74 | 1/75 | 2/75 |
| Proptosis | 0/75 | 0/75 | 0/73 | 0/75 | 0/74 | 0/74 | 1/75 | 0/75 |
| Enophthalmia | 2/75 | 1/75 | 1/73 | 2/75 | 0/74 | 0/74 | 1/75 | 2/75 |
| Keratitis | 1/75 | 1/75 | 0/73 | 0/75 | 1/74 | 0/74 | 0/75 | 0/75 |
| Corneal Scar/Pigmentation | 1/75 | 0/75 | 1/73 | 0/75 | 2/74 | 0/74 | 2/75 | 1/75 |
| Hyphema | 0/75 | 0/75 | 0/73 | 0/75 | 0/74 | 0/74 | 1/75 | 0/75 |
| Iritis/Anterior Uveitis | 0/75 | 0/75 | 1/73 | 0/75 | 0/74 | 0/74 | 0/75 | 0/75 |
| Anterior Synechia | 1/75 | 1/75 | 1/73 | 0/75 | 0/74 | 0/74 | 0/75 | 0/75 |
| Posterior Synechia | 1/75 | 0/75 | 1/73 | 0/75 | 0/74 | 0/74 | 0/75 | 0/75 |
| Dilated Pupil | 0/75 | 0/75 | 0/73 | 0/75 | 1/74 | 0/74 | 0/75 | 0/75 |
| Cataract | 1/75 | 0/75 | 3/73 | 0/75 | 0/74 | 0/74 | 0/75 | 0/75 |
| Retinal Vascular Attenuation | 1/75 | 0/75 | 0/73 | 0/75 | 0/74 | 0/74 | 1/75 | 0/75 |
| Fundus - Reflex | 0/75 | 0/75 | 0/73 | 0/75 | 1/74 | 0/74 | 0/75 | 0/75 |
| Bled - Orbital Sinus | 28/75 | 26/75 | 26/73 | 28/75 | 28/74 | 26/74 | 28/75 | 28/75 |

Study Number L06116-11
Test Article: TNT
Species: B6C3F1 Mice

OPHTHALMIC INCIDENCE TABLE

SUMMARY - TEST WEEK 51

| | Dose (mg/kg/day) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Males | | | | Females | | | |
| LESION | 0.0 | 1.5 | 10.0 | 70.0 | 0.0 | 1.5 | 10.0 | 70.0 |
| Ocular Discharge | 1/63 | 0/63 | 0/62 | 1/63 | 0/64 | 0/64 | 0/64 | 1/64 |
| Phthisis | 2/63 | 0/63 | 1/62 | 2/63 | 0/64 | 0/64 | 1/64 | 2/64 |
| Keratitis | 0/63 | 0/63 | 0/62 | 0/63 | 1/64 | 0/64 | 0/64 | 0/64 |
| Corneal Scar/Pigmentation | 2/63 | 1/63 | 1/62 | 2/63 | 2/64 | 0/64 | 2/64 | 2/64 |
| Iritis/Anterior Uveitis | 0/63 | 0/63 | 1/62 | 0/63 | 0/64 | 0/64 | 0/64 | 0/64 |
| Anterior Synechia | 1/63 | 0/63 | 1/62 | 0/63 | 1/64 | 0/64 | 0/64 | 0/64 |
| Posterior Synechia | 1/63 | 0/63 | 1/62 | 0/63 | 0/64 | 0/64 | 0/64 | 0/64 |
| Dilated Pupil | 0/63 | 0/63 | 0/62 | 0/63 | 1/64 | 0/64 | 0/64 | 0/64 |
| Cataract | 2/63 | 0/63 | 3/62 | 1/63 | 0/64 | 0/64 | 0/64 | 1/64 |
| Retinal Vascular Attenuation | 0/63 | 0/63 | 0/62 | 0/63 | 0/64 | 0/64 | 1/64 | 0/64 |
| Fundus - Reflex | 0/63 | 0/63 | 0/62 | 0/63 | 1/64 | 0/64 | 0/64 | 0/64 |
| Bled - Orbital Sinus | 27/63 | 26/63 | 26/62 | 25/63 | 28/64 | 25/64 | 25/64 | 27/64 |

Study Number L06116-11
Test Article: TNT
Species: B6C3F1 Mice

OPHTHALMIC INCIDENCE TABLE

SUMMARY - TEST WEEK 77

| | Dose (mg/kg/day) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Males | | | | Females | | | |
| LESION | 0.0 | 1.5 | 10.0 | 70.0 | 0.0 | 1.5 | 10.0 | 70.0 |
| Ocular Discharge | 0/52 | 0/50 | 0/52 | 0/50 | 0/53 | 0/53 | 1/53 | 1/52 |
| Orbital Hemorrhage | 0/52 | 0/50 | 0/52 | 0/50 | 0/53 | 0/53 | 1/53 | 0/52 |
| Phthisis | 2/52 | 1/50 | 3/52 | 2/50 | 0/53 | 0/53 | 2/53 | 2/52 |
| Keratitis | 0/52 | 0/50 | 0/52 | 0/50 | 1/53 | 0/53 | 0/53 | 0/52 |
| Corneal Scar/Pigmentation | 3/52 | 0/50 | 6/52 | 6/50 | 3/53 | 4/53 | 5/53 | 5/52 |
| Anterior Synechia | 1/52 | 0/50 | 0/52 | 0/50 | 1/53 | 0/53 | 0/53 | 0/52 |
| Posterior Synechia | 1/52 | 0/50 | 2/52 | 0/50 | 0/53 | 0/53 | 0/53 | 0/52 |
| Dilated Pupil | 0/52 | 0/50 | 0/52 | 0/50 | 1/53 | 0/53 | 0/53 | 0/52 |
| Cataract | 2/52 | 1/50 | 1/52 | 2/50 | 2/53 | 3/53 | 0/53 | 0/52 |
| Vitreal Condensation | 0/52 | 0/50 | 1/52 | 1/50 | 1/53 | 0/53 | 0/53 | 0/52 |
| Retinal Vascular Attenuation | 0/52 | 0/50 | 0/52 | 0/50 | 0/53 | 0/53 | 1/53 | 0/52 |
| Fundus - Reflex | 0/52 | 0/50 | 0/52 | 0/50 | 1/53 | 0/53 | 0/53 | 0/52 |
| Bled - Orbital Sinus | 26/52 | 23/50 | 25/52 | 23/50 | 26/53 | 23/53 | 23/53 | 24/52 |

Study Number L06116-11
Test Article: TNT
Species: B6C3F1 Mice

OPHTHALMIC INCIDENCE TABLE

SUMMARY - TEST WEEK 103

| | Dose (mg/kg/day) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Males | | | | Females | | | |
| LESION | 0.0 | 1.5 | 10.0 | 70.0 | 0.0 | 1.5 | 10.0 | 70.0 |
| Ocular Discharge | 0/43 | 0/44 | 0/43 | 1/43 | 0/41 | 0/43 | 0/47 | 2/50 |
| Proptosis | 0/43 | 0/44 | 1/43 | 0/43 | 0/41 | 0/43 | 0/47 | 2/50 |
| Phthisis | 3/43 | 1/44 | 3/43 | 5/43 | 0/41 | 1/43 | 2/47 | 3/50 |
| Keratitis | 0/43 | 1/44 | 0/43 | 0/43 | 0/41 | 0/43 | 1/47 | 0/50 |
| Corneal Scar/Pigmentation | 2/43 | 1/44 | 6/43 | 7/43 | 6/41 | 12/43 | 12/47 | 11/50 |
| Anterior Synechia | 0/43 | 1/44 | 1/43 | 1/43 | 1/41 | 0/43 | 1/47 | 0/50 |
| Posterior Synechia | 0/43 | 0/44 | 0/43 | 0/43 | 0/41 | 0/43 | 0/47 | 0/50 |
| Shallow Anterior Chamber | 0/43 | 1/44 | 0/43 | 0/43 | 0/41 | 0/43 | 0/47 | 0/50 |
| Cataract | 7/43 | 8/44 | 6/43 | 13/43 | 3/41 | 11/43 | 8/47 | 9/50 |
| Vitreal Condensation | 0/43 | 0/44 | 0/43 | 0/43 | 1/41 | 0/43 | 0/47 | 0/50 |
| Vitreal Strands | 0/43 | 0/44 | 0/43 | 1/43 | 0/41 | 0/43 | 0/47 | 0/50 |
| Retinal Vascular Attenuation | 0/43 | 0/44 | 0/43 | 0/43 | 0/41 | 0/43 | 1/47 | 1/50 |
| Orbital Mass | 1/43 | 0/44 | 1/43 | 0/43 | 0/41 | 0/43 | 1/47 | 2/50 |
| Bled - Orbital Sinus | 20/43 | 21/44 | 23/43 | 22/43 | 23/41 | 20/43 | 23/47 | 24/50 |

# APPENDIX XI
# PATHOLOGY NARRATIVE REPORT

# FINAL PATHOLOGY REPORT
of Twenty-Four Month Chronic Toxicity-Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

November 21, 1984

IITRI Project Number L06116
Study Number 9

QUALITY ASSURANCE STATEMENT
L06116 SN9

Necropsy procedures were inspected on September 1, 1981, March 11, 1982 and January 26 and March 17, 1983. All gross necropsy data was audited between January 23 and March 8, 1984. Histopathology reports were audited on January 26 and December 6 and 7, 1982 and May 16 through July 10, 1984. Inspections and audits were performed by Julie McPhilips and Josephine M. Reed. The study was found to meet Life Sciences Quality Assurance criteria. Specimens and raw data generated during the study will be retained in the IITRI Life Sciences Archives as specified in standard operating procedures.

Josephine M. Reed 5/28/84

Josephine M. Reed
Supervisor Quality Assurance

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* Requests for Pathology Appendices I-IV (Volume III) should be directed to Health Effects Research Division, U.S. Army Medical Bioengineering Research and Development Laboratory, Fort Detrick, Frederick, Maryland, 21701-5012.

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FINAL PATHOLOGY REPORT OF TWENTY-FOUR MONTH CHRONIC TOXICITY/CARCINOGENICITY STUDY OF TRINITROTOLUENE (TNT) IN FISCHER 344 RATS

## I. INTRODUCTION

In accordance with the amended experimental protocol, gross and histiopathologic examination were preformed on organs and tissues of 750 (375 males and 375 females) adult Fischer 344 rats for IITRI Project L6116, Study Number 9.

The rats were divided into five groups, each containing 75 males and 75 females. Each group was fed either Trinitrotoluene (TNT) as a dietary admixture or a control diet until death or sacrifice. The treatment group number, treatment, number of rats per group, sex, and corresponding dose levels are shown below.

| Treatment Group | Treatment | Number of Males | Number of Females | Dose level mg/kg/day |
|---|---|---|---|---|
| I | --- | 75 | 75 | 0.0 |
| II | TNT | 75 | 75 | 0.4 |
| III | TNT | 75 | 75 | 2.0 |
| IV | TNT | 75 | 75 | 10.0 |
| V | TNT | 75 | 75 | 50.0 |

Scheduled sacrifices were conducted at 6, 12, and 24 months. Ten rats per dose level, per sex were sacrificed at 6 and 12 months. All surviving rats were sacrificed at 24 months. A pathology report was made for each of these intervals. These pathology reports constitute Appendix I, II, and III. Each report lists the number of rats examined that died spontaneously or were sacrificed as moribund (SDMS), along with those scheduled to be sacrificed at 6, 12, and 24 months.

## II. MATERIALS AND METHODS

### 1. Gross Pathology

The rats were anesthetized with carbon dioxide, exsanguinated from the abdominal aorta, and necropsied. The organs were examined and, with the exception of the eyes and testes, fixed in 10% neutral buffered formalin for a period of no less than 48 hours. The eyes were fixed in 3% glutaraldehyde solution and the testes in Bouin's solution. The lungs were fixed by intratracheal perfusion of formalin. The heart, liver, adrenals, spleen, kidneys, gonads, and brain were weighed before fixation. SDMS rats were also necropsied and the organs were fixed as described above, but the organs were not weighed.

2. Histopathology

The following tissues were collected at necropsy, processed for histology using standard technique, stained with hematoxylin-eosin, and examined with the light microscope. Those tissues marked with an asterisk in the list below were processed for microscopic examination only at the control and high dosage level (50.0 mg/kg/day). The brain, spinal cord, pituitary, spleen, kidneys, heart, liver, gonads, as well as all gross lesions were processed at all dose levels.

The following tissues were collected:

Adrenal*
Brain (frontal, parietal, cerebellar)*
Cecum*
Colon*
Costochondral juncture
Duodenum*
Epididymes*
Esophagus*
Eyes* and optic nerve*
Heart*
Ileum*
Jejunum*
Kidneys*
Larynx
Liver*
Lymph nodes:
 Mandibular
  Mesenteric*
Muscle, skeletal
Nasal turbinates
Tissue Masses*
Urinary bladder**
Ovaries*
Pancreas*
Pituitary*
Prostate*
Rectum*
Salivary gland
Seminal vesicles
Sciatic nerve
Skin/Mammary gland*
Spleen*
Spinal cord (cervical,
 thoracic, lumber)*
Sternum with marrow*
Stomach*
Testes*
Thymus
Trachea*
Thyroids/parathyroids*
Uterus*
Bone marrow smear**
 and any other tissues
 with gross lesions*

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**Urinary bladder and bone marrow were examined for the female rats in all dose levels.

The grading system for lesions and the abbreviations used in the pathology tables are as follows.

Grade 1 = minimal severity
Grade 2 = mild severity
Grade 3 = moderate severity
Grade 4 = marked severity
N = Within Normal Limits
M = Tissue Not Present
- = Tissue Not Applicable
P = Lesion Present, No Grade

3. Statistical Evaluations

Statistical evaluation of pathological lesions were performed using models for qualitative data. For the comparison of treated vs control animals, in terms of the presence or absence of a specific lesion, Fishers exact test was used for cases when the expected value of any cell was less than or equal to five. Otherwise, a chi-square analysis was performed.

## III. PATHOLOGY RESULTS

The gross summary tables and the histopathologist's report, including the histopathology incidence and summary tables for the 6 and 12 months interum sacrifices and the 24 month terminal sacrifice, are presented in Pathology Appendix I, II and III respectively. A summary of the pathology results follows.

### 1. SIX MONTH INTERIM SACRIFICE

A. Gross Observations

A lesion of possible significance was observed in the kidneys of male and female rats in the TNT 50.0 mg/kg/day dose group. The kidneys had a brown/mottled brown appearance in 5/10 males and 3/10 females in that dose group.

B. Microscopic Observations

Treatment-related lesions were observed in the spleen of male and female rats in the TNT 10.0 and 50.0 mg/kg/day groups; and in the kidneys of male rats in the TNT 2.0, 10.0, 50.0 mg/kg/day groups and in female rats in the 10.0 and 50.0 mg/kg/day groups.

A dose-related increase in the incidence of extramedullary hematopoiesis was observed involving the spleen of 8/10 and 10/10 male rats in the TNT 10.0 and 50.0 mg/kg/day groups respectively, and in 7/10 female rats in the TNT 50.0 mg/kg/day group.

An increased pigment deposition was also observed in the spleen of 10/10 male rats in both the TNT 10.0 and 50.0 mg/kg/day groups, and in 7/10 and 10/10 females in the TNT 10.0 and 50.0 mg/kg/day groups respectively. These lesions were graded minimal to mild in severity.

Several significant changes were observed in the kidneys of both male and female rats. Cytoplasmic bodies accompanied by nuclear hypertrophy were observed involving the proximal convoluted tubules in the cortex of all the male rats in the TNT 2.0, 10.0, and 50.0 mg/kg/day groups. The severity of this change was dose-related. A yellowish-brown pigment was present in the proximal convoluted tubules of all the females in the TNT 10.0 and 50.0 mg/kg/day groups. Nuclear hypertrophy of the convoluted tubular epithelial cells also accompanied these changes. The relative severity of these changes were dose-related. A slight increase in the severity of chronic nephropathy was seen in 8/10 males in the TNT 50.0 mg/kg/day group.

The cause of death for the single female animals in the TNT 0.0 and 0.4 mg/kg/day group was not evident.

Based upon the findings at the 6 month interim sacrifice the maximum no-effect level of the TNT in the Fischer 344 rat appeared to be 0.4 mg/kg/day.

2. TWELVE MONTH INTERIM SACRIFICE

A. Gross Observation

Treatment-related lesions were observed involving the spleen and kidneys of males in the TNT 50.0 mg/kg/day group. The spleen of 4/10 rats were enlarged, and 8/10 were dark red/dark in appearance. The kidneys of 4/10 rats were brown.

B. Microscopic Observations

Treatment-related lesions were observed in the spleen of TNT 10.0 and 50.0 mg/kg/day groups, and kidneys of the 2.0, 10.0 and 50.0 mg/kg/day groups male and female rats.

Sinusoidal congestion, extramedullary hematopoiesis, and increased pigment were observed in the spleen of both sexes.

Sinusoidal congestion was present in the spleen of all male and female rats in the TNT 50.0 mg/kg/day group. Increased extramedullary hematopoiesis was present in 9/10 male and female rats in the TNT 50.0 mg/kg/day group. Also, increased hemosiderin pigment was present in the spleen of all the male rats in the TNT 10.0 and 50.0 mg/kg/day groups, and in 8/10 and 10/10 female rats in the TNT 10.0 and 50.0 mg/kg/day groups respectively. The lesions were graded minimal to mild in severity.

Renal lesions included: cytoplasmic inclusion bodies accompanied by nuclear hypertrophy in the epithelial cells proximal convoluted tubules of all the males in the TNT 2.0, 10.0, and 50.0 mg/kg/day groups; increased pigment in the proximal convoluted tubules of 9/10, 10/10 and 10/10 females in the TNT 2.0, 10.0 and 50.0 mg/kg/day groups respectively; nuclear hypertrophy in 8/10 females in the 2.0 mg/kg day group, and all the females in the TNT 10.0 and 50.0 mg/kg/day groups; and a slight increase in the relative severity of chronic nephropathy among males in the TNT 10.0 and 50.0 mg/kg/day groups.

The cause of death and morbidity among the rats during the 6-12 month test period was ascribed to naturally occuring urogenital or neoplastic disease.

3. TWENTY-FOUR MONTH TERMINAL SACRIFICE

A. Gross Observations

Treatment-related lesions were present involving: the liver of male rats in the TNT 50.0 mg/kg/day group, and female rats in the TNT 10.0 and 50.0 mg/kg/day groups; the kidneys of male rats in the TNT 10.0 and 50.0 mg/kg/day group; and the urinary bladder of female rats in the 50.0 mg/kg/day group.

Red areas, focal to multifocal in distribution were seen as a significant change in the liver of male rats in the TNT 50.0 mg/kg/day group. The incidence of this lesion was:

| Group | I | II | III | IV | V |
|---|---|---|---|---|---|
| | 4/54 | 13/54 | 4/54 | 11/55 | 26/55 |
| | (7%) | (24%) | (7%) | (20%) | (47%) |

Tan area on the liver of female rats was significant in the TNT 10.0 and 50.0 mg/kg/day groups. The incidence of this lesion was:

| Group | I | II | III | IV | V |
|---|---|---|---|---|---|
| | 20/54 | 18/54 | 18/55 | 34/55 | 43/55 |
| | (37%) | (33%) | (33%) | (62%) | (78%) |

An increased number of pitted/granular kidneys were observed in the male rats in the TNT 10.0 and 50.0 mg/kg/day groups. The incidence of the lesion was:

| Group | I | II | III | IV | V |
|---|---|---|---|---|---|
| | 14/54 | 8/54 | 12/54 | 18/55 | 32/55 |
| | (26%) | (15%) | (22%) | (33%) | (58%) |

Cystic kidneys in male rats were also observed as being significant in the TNT 10.0 and 50.0 mg/kg/day groups. The incidence was:

| Group | I | II | III | IV | V |
|---|---|---|---|---|---|
| | 1/54 | 1/54 | 2/54 | 6/55 | 15/55 |
| | (2%) | (2%) | (4%) | (11%) | (27%) |

Masses were observed in the urinary bladder of 6/55 females in the TNT 50.0 mg/kg/day group. All these rats were part of the schedule sacrifice.

Gross lesions which appeared quite often in all groups regardless of treatment received and sex; were enlarged spleens, brown/mottled brown kidneys, and subcutaneous masses. Testicular lesions consisting primarily of interstitial masses were seen in male rats at all dose levels.

B. Microscopic Observations

Treatment-related lesions were present in the liver of males, urinary bladder and bone marrow of females, and the spleen and kidneys of both sexes. The increased incidence and/or relative severity of the lesions were dose-related in the 10.0 and 50.0 mg/kg/day males, and the 2.0, 10.0, and 50.0 mg/kg/day females.

A dose-related increased incidence of hepatocellular hyperplasia associated with peliosis and cystic degeneration was observed in the liver of 23/54 and 34/55 male rats in the TNT 10.0 and 50.0 mg/kg/day groups respectively.

Lesions in the urinary bladder of female rats included hyperplasia of the mucosal epithelium (2/55 in the 10.0 and 12/55 50.0 mg/kg/day groups), papillomas (1/55 in 10.0 and 5/55 in the 50.0 mg/kg/day groups), and carcinomas (12/55 in the 50.0 mg/kg/day group).

A significant increase in incidence and severity of myelofibrosis of the sternal bone marrow was present in 17/54 rats in the TNT 50.0 mg/kg/day group. Bone marrow specimens from the TNT 0.4, 2.0, and 10.0 mg/kg/day groups have not been examined at this time.

TABLE I

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Incidence of Principal Gross Observations in Rats at the Scheduled 24-Month (Terminal) Sacrifice

| Observation/Lesion | TNT DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| | | | MALES | | |
| Liver (red areas; focal to multifocal) | 4/54 | 13/54 | 4/54 | 11/53 | 26/55 |
| Kidneys (pitted/ granular) | 14/54 | 8/54 | 12/34 | 18/55 | 32/55 |
| Kidneys (cystic) | 1/54 | 1/54 | 2/54 | 6/55 | 15/55 |
| | | | FEMALES | | |
| Liver (tan areas) | 20/54 | 18/54 | 18/55 | 34/55 | 43/55 |
| Urinary bladder (masses) | 0/54 | 0/54 | 0/55 | 0/55 | 6/55 |

Table II

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Males

| | DOSE (mg/kg/day) 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
|---|---|---|---|---|---|
| HEPATOCELLULAR HYPERPLASIA | | | | | |
| PRESENT | 9 | 9 | 7 | 23** | 34** |
| ABSENT | 45 | 45 | 47 | 31 | 21 |
| SPLEEN - INCREASED PIGMENT | | | | | |
| PRESENT | 4 | 7 | 8 | 18** | 47** |
| ABSENT | 50 | 47 | 46 | 36 | 8 |
| SPLEEN - INCREASED EXTRAMEDULARY HEMATOPOIESIS | | | | | |
| PRESENT | 3 | 4 | 9 | 8 | 24** |
| ABSENT | 51 | 50 | 45 | 46 | 31 |
| SPLEEN - CONGESTION | | | | | |
| PRESENT | 10 | 14 | 18 | 14 | 29** |
| ABSENT | 44 | 40 | 36 | 40 | 26 |
| SPLEEN - MONOCYTIC LEUKEMIA | | | | | |
| PRESENT | 33 | 26 | 19** | 33 | 3** |
| ABSENT | 21 | 28 | 35 | 21 | 52 |
| KIDNEYS - INCREASED RENAL PIGMENT | | | | | |
| PRESENT | 22 | 20 | 15 | 47** | 50** |
| ABSENT | 32 | 34 | 39 | 7 | 5 |
| KIDNEYS - INFLAMMATION, LYMPHOCYTIC | | | | | |
| PRESENT | 44 | 35 | 46 | 50 | 54** |
| ABSENT | 9 | 19 | 8 | 4 | 0 |

* P < .05
** P < .01

Table III

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Females

| | DOSE (mg/kg/day) | | | | |
|---|---|---|---|---|---|
| | 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
| **SPLEEN - INCREASED PIGMENT** | | | | | |
| PRESENT | 9 | 3 | 7 | 34** | 38** |
| ABSENT | 45 | 51 | 48 | 21 | 17 |
| **SPLEEN - INCREASED EXTRAMEDULARY HEMATOPOIESIS** | | | | | |
| PRESENT | 17 | 9 | 7 | 31* | 41** |
| ABSENT | 37 | 45 | 48 | 24 | 14 |
| **SPLEEN - CONGESTION** | | | | | |
| PRESENT | 8 | 8 | 18* | 35** | 38** |
| ABSENT | 46 | 46 | 37 | 20 | 17 |
| **SPLEEN - MONOCYTIC LEUKEMIA** | | | | | |
| PRESENT | 13 | 21 | 19 | 10 | 1** |
| ABSENT | 41 | 33 | 36 | 45 | 54 |
| **KIDNEYS - INCREASED RENAL PIGMENT** | | | | | |
| PRESENT | 35 | 41 | 53** | 51** | 55** |
| ABSENT | 19 | 13 | 2 | 4 | 0 |
| **KIDNEYS - INFLAMMATION, LYMPHOCYTIC** | | | | | |
| PRESENT | 17 | 16 | 17 | 33** | 33* |
| ABSENT | 37 | 38 | 38 | 22 | 22 |
| **KIDNEYS - HYPERPLASIA OF RENAL PELVIS** | | | | | |
| PRESENT | 0 | 0 | 0 | 0 | 7* |
| ABSENT | 54 | 54 | 55 | 55 | 48 |
| **URINARY BLADDER - HYPERPLASIA** | | | | | |
| PRESENT | 1 | 0 | 0 | 2 | 12** |
| ABSENT | 53 | 54 | 55 | 53 | 43 |

* $P < .05$
** $P < .01$

Twenty-Four Month Chronic Toxicity/Carcinogenicity Study of Trinitrotoluene (TNT) in the Fischer 344 Rat

Statistical Evaluation of Histopathological Lesions for the 12-24 Month MS/SD and Terminal Sacrificed Females

| | DOSE (mg/kg/day) | | | | |
|---|---|---|---|---|---|
| | 0.0 | 0.4 | 2.0 | 10.0 | 50.0 |
| | | | URINARY BLADDER - PAPILOMA | | |
| PRESENT | 0 | 0 | 0 | 1 | 5* |
| ABSENT | 54 | 54 | 55 | 54 | 50 |
| | | | URINARY BLADDER - CARCINOMA | | |
| PRESENT | 0 | 0 | 0 | 0 | 12** |
| ABSENT | 54 | 54 | 55 | 55 | 43 |
| | | | URINARY BLADDER - PAPILOMA AND CARCINOMA (COMBINED) | | |
| PRESENT | 0 | 0 | 0 | 1 | 17** |
| ABSENT | 54 | 54 | 55 | 54 | 38 |
| | | | BONE MARROW - FIBROSIS | | |
| PRESENT | 5 | 6 | 13* | 12 | 17** |
| ABSENT | 49 | 47 | 42 | 42 | 37 |

* $P < .05$
** $P < .01$

There was an increase of yellow-brown pigment in the spleen of 18/54 and 47/54 males in the TNT 10.0 and 50.0 mg/kg/day groups respectively, and in 34/55 and 38/55 females in the TNT 10.0 and 50.0 mg/kg/day groups respectively. Also a dose-related increase in the incidence of extramedullary hematopoiesis was seen in the spleen of 24/55 males in the TNT 50.0 mg/kg/day group, and in 31/55 and 41/55 females in the TNT 10.0 and 50.0 mg/kg/day groups respectively. Spleenic sinusoidal congestion was also seen in 29/55 males in the TNT 50.0 mg/kg/day group, and in 18/55, 35/55, and 38/55 females in the TNT 2.0, 10.0, and 50.0 mg/kg/day groups respectively.

A dose-related increased incidence and severity of cytoplasmic pigment was observed in the epithelial cells of cortical tubules in 47/54 and 50/55 male rats in the TNT 10.0 and 50.0 mg/kg/day groups respectively; and in 53/55, 51/55, and 55/55 females in the 2.0, 10.0, and 50.0 mg/kg/day groups respectively.

In addition to the pigmentary changes in the kidney, there was also a dose-related increase in the relative severity of chronic nephropathy and inflammation in the 50.0 mg/kg/day males and females. Hyperplastic changes were also seen in the renal pelvis of 7/55 females in the TNT 50.0 mg/kg/day group. All seven rats were among the schedule sacrifice animals.

A detailed summary of the cause of morbidity and death is present in Pathology Appendix III. Most death appeared to be caused by neoplastic or urogential disease.

## IV. DISCUSSION

The brown/mottled brown kidneys observed on gross examination in male rats in the TNT 50.0 mg/kg/day group at the 6 and 12 month sacrifice intervals; and the enlarged, red spleens observed in males in the same dose group at the 12 month sacrifice interval, were considered to be treatment-related. However, these lesions were observed in many rats of both sex at all dose levels and in the controls at the 24 month terminal sacrifice interval. The brown kidneys seen in males at the 6 and 12 month sacrifice intervals were probably due to the accumulation of protein reabsorption droplets-crystalline bodies (cytoplasmic bodies) in the tubular epitheial cells. These bodies regressed and were not present at the 24 month terminal sacrifice ( see below and Pathology Appendix I-III). The enlarged spleens seen at the 12 month sacrifice interval were probably caused by sinusoidal congestion and hemosiderosis, while at the 24 month sacrifice interval this lesion probably resulted from the proliferation of malignant mononuclear cell associated with monocytic leukemia, as well as from sinusoidal congestion and hemosiderosis.

Histologically, treatment-related lesions were observed involving the spleen and kidney throughout the study (test months 0-24). An increase of yellowish-brown pigment resembling hemosiderin was observed in the spleen of 10.0 and 50.0 mg/kg/day males and females. This dose-related lesion was graded minimal to mild in severity at the 6 and 12 month sacrifice interval, and minimal to moderate at the 24 month terminal sacrifice interval. The more severe lesion was seen at the 50.0 mg/kg/day dose level.

Increased extramedullary hematopoiesis was another change observed in the spleen throughout the study. This lesion was present in male and female rats in the TNT 50.0 mg/kg/day group at the 6, 12 and 24 month sacrifice intervals, and in the 10.0 mg/kg/day females at the 24 month terminal sacrifice interval. There was a significant increase in extamedullary hematopoiesis in the spleen of male rats in the 10.0 mg/kg/day group at the 6 month sacrifice interval. However, this change did not appear to be significant for that dose level at any other time during the study. The severity of this lesion remained the same throughout the study (minimal to mild).

Sinusoidal congestion was another lesion observed in the spleen at the 12 and 24 month sacrifice intervals. There was a dose-related increase in incidence and relative severity of this lesion in the 50.0 mg/kg/day males and females at the 12 month sacrifice interval; and in 50.0 mg/kg/day males, and in 2.0, 10.0 and 50.0 mg/kg/day females at the 24 month terminal sacrifice interval. This lesion diagnosed only in the terminally sacrificed rats.

A spontaneous disease, mononuclear cell leukemia, was observed in the spleen of male and female rats primarily during test months 12-24. The proliferation of the neoplastic mononuclear cells in the spleen greatly contributed to the enlarged spleen observed grossly in rats during this period.

Treatment-related lesions were also seen in the kidney throughout the study. Nuclear hypertrophy of the epithelial cell of the proximal convoluted tubules, accompanied by the presence of cytoplasmic bodies in the males and yellowish- brown cytoplasmic pigment in the females, was observed in: the 2.0, 10.0 and 50.0 mg/kg/day males at the 6 and 12 month sacrifice intervals, in the 50.0 mg/kg/day females at the 6 month sacrifice interval, and in the 2.0, 10.0 50.0 mg/kg/day females at the 12 month sacrifice interval. However, by the 24 month terminal sacrifice interval, there was a regression of the nuclear change in the proximal convoluted tubules of both sexes, and of the cytoplasmic bodies in the tubules of the males. Also, during this same period, there was a dose-related increase in granular pigment within the cytoplasm of proximal convoluted tubular epithelial cells in 10.0 and 50.0 mg/kg/day males which was not observed previously. The appearance of this pigment in male rats probably represents the resolution phase of the cytoplasmic protein reabsorption droplets and the crystalline material previously observed. (see Pathology Appendix III, Volume 1).

A dose-related increase in the relative severity of chronic nephropathy in the kidneys of male rats was observed throughout the study. This lesion probably gave the kidneys the granular/pitted, cystic appearance that was seen on gross examination especially in the the 50.0 mg/kg/day males at the 24 month terminal sacrifice interval.

Treatment-related hyperplastic, preneoplastic, and neoplastic changes were observed in the urinary bladder of females in the TNT 10.0 and 50.0 mg/kg/day groups. These lesions were confined to the mucosal epithelium and consisted of hyerplasia, papillomas, and carcinomas.

Hepatocellular hyperplasia associated with peliosis, or cystic degeneration were observed in the liver of males in the TNT 10.0 and 50.0 mg/kg/day groups at the 24 month terminal sacrifice interval. These are naturally occurring lesions which were excerbated by feeding TNT. The lesions were associated either with sinusoidal dilatation, or large blood filled spaces which imparted the red areas seen grossly on the liver of these rats.

## V. SUMMARY AND CONCLUSIONS

Treatment-related lesions were observed in the kidney and spleen throughout the study in 10.0 and 50.0 mg/kg/day males and in 2.0, 10.0 and 50.0 mg/kg/day females. Additional lesions were present in the urinary bladder of 10.0 and 50.0 mg/kg/day females, sternal bone marrow of the 2.0, 10.0 and 50.0 mg/kg/day females, and in the liver of 10.0 and 50.0 mg/kg/day males at the 24 month terminal sacrifice interval.

Based on the present data, the no-effect level of TNT after 24 months of dietary administration was 2.0 mg/kg/day for males and appeared to be 0.4 mg/kg/day for females. A no-effect level for sternal myelofibrosis in females was 0.4 mg/kg/day. The no-effect levels observed at this interval of the study were similar to those established at the 6 and 12 month sacrifice intervals.

The toxic effects of TNT for the Fischer 344 rat were observed in the liver, kidneys, and spleen of males and in the spleen, kidneys, urinary bladder and bone marrow of females. The lesions observed were naturally occurring in this species and were considered to be excerbrated by TNT administration except cytoplasmic pigments observed in the kidneys of both sexes and the lesions in the renal pelvis, urinary bladder and bone marrow of the females.

The pathologic lesions delimiting the highest no-effect levels for this study as a result of occurring at a statistically significant greater incidence than in the controls were: pigmentary changes in the kidneys spleenic congestion and bone marrow fibrosis in the females at 2.0 mg/kg/day and hepatocellular hyperplasia, increased spleenic pigment and increased renal pigment at 10.0 mg/kg/day in the male.

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