PROJECT NO. BL-71-70
REPORT FILE

Industrial **BIO-TEST** *Laboratories, Inc.*
1810 FRONTAGE ROAD
NORTHBROOK, ILLINOIS 60062

#3
BTL-71-70

REPORT TO

MONSANTO COMPANY

TWO-YEAR CHRONIC ORAL TOXICITY STUDY WITH AROCLOR 1260 IN BEAGLE DOGS

NOVEMBER 1, 1971

IBT NO. C7299

0366037

TOXSTUDIES1351

Industrial **BIO-TEST** *Laboratories, Inc.*
1810 FRONTAGE ROAD
NORTHBROOK, ILLINOIS 60062

November 1, 1971

Mr. Elmer P. Wheeler
Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Mr. Wheeler:

Re: IBT No. C7299 - Two-Year Chronic Oral Toxicity Study With Aroclor 1260 In Beagle Dogs

We are submitting herewith our laboratory report dated November 1, 1971, prepared in connection with the above study.

Very truly yours,

J. C. Calandra

J. C. Calandra
President

JCC:sjn

0366038

TOXSTUDIES1352

REPORT TO

MONSANTO COMPANY

TWO-YEAR CHRONIC ORAL TOXICITY STUDY WITH AROCLOR 1260 IN BEAGLE DOGS

NOVEMBER 1, 1971

IBT NO. C7299

I. Introduction

A sample identified as Aroclor 1260, Lot No. AK-3, was received from the Monsanto Company for the purpose of conducting a two-year chronic oral toxicity study using purebred beagle dogs. The following report presents the results of the investigation.

TOXSTUDIES1353

II. Summary

Two years of feeding Aroclor 1260 at dietary levels of 1, 10 and 100 ppm to purebred beagle dogs revealed the following:

A. Body Weight

There were no consistent significant differences among the untreated control animals and animals in the three test groups with respect to body weights.

B. Food Consumption

The amounts of food consumed by the animals in the three test groups did not differ significantly from that consumed by control animals.

C. Behavioral Reactions

No untoward behavioral reactions were noted during the two year study.

D. Mortality

Two fatalities occurred during the study, a 100 ppm female after 29 weeks and a 100 ppm male after 33 weeks. Gross and histologic examinations revealed severe chronic peritonitis in the female and acute pneumonia in the male.

E. Hematologic Studies

No significant abnormalities were noted among any of the levels tested.

TOXSTUDIES1354

F. Blood Chemistry Studies

Animals receiving 100 ppm of Aroclor 1260 exhibited increases in serum alkaline phosphatase activity at the conclusion of the investigation.

No other abnormalities were noted with respect to the parameters investigated.

G. Urine Analyses

There were no significant differences between the urine of the test and untreated control animals.

H. Pathologic Studies

1. Organ Weight Data

Animals receiving 100 ppm of Aroclor 1260 exhibited elevations in liver to body weight ratios.

No other organ weight abnormalities were noted.

TOXSTUDIES1355

2. Gross and Histopathologic Findings

No significant abnormalities which could be associated with Aroclor 1260 were noted.

Respectfully submitted,

INDUSTRIAL BIO-TEST LABORATORIES, INC.

Report prepared by:

Bruce R. Burtner, Ph. B.
Assistant Toxicologist
Dog Toxicity

Report approved by:

Dennis C. Lindberg, B. S.
Senior Group Leader
Dog Toxicity

Paul L. Wright, Ph. D.
Section Head, Toxicology

M. L. Keplinger, Ph. D.
Manager, Toxicology

November 1, 1971

sjn:psh

0366042

TOXSTUDIES1356

III. Procedure

A. Organization

The two-year toxicity study utilized an untreated control group and three test groups, each consisting of eight purebred beagle dogs (four males and four females). The beagles were all eligible for A. K. C. registration and had been previously immunized against rabies, distemper, infectious canine hepatitis and leptosirosis.

All dogs were acquired from our own colony and were under observation for two weeks prior to the start of the investigation, during which time they were re-immunized and rendered clinically free of any existing parasitic infestation.

During the investigation, the selected animals were housed in kennels equipped with outside runs, four dogs of the same sex and group being accommodated in a single kennel.

The material to be tested, Aroclor 1260, was incorporated into a stock diet and fed to the dogs seven days a week at three graded dietary levels. The levels were 1, 10 and 100 ppm.

An outline of the test organization and diet composition is presented in Table I.

TOXSTUDIES1357

TABLE I

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Test Organization and Diet Composition

Group	Number of Animals Tested		Dietary Constituents, percent (w/w)	
	Males	Females	Aroclor 1260	Stock Food*
UC	4	4	None	100.0000
I	4	4	0.0001	99.9999
II	4	4	0.0010	99.9990
III	4	4	0.0100	99.9900

* Purina Dog Meal, Ralston Purina Company, St. Louis, Missouri.

0366044

TOXSTUDIES1358

B. Parameters Investigated

Initially, the body weight of each dog in every group was determined and recorded. Thereafter, weighings were conducted weekly for the duration of the test.

At the beginning of each week, the appropriate dietary constituents for each of the groups were thoroughly blended in a Hobart mixer. Preweighed amounts were distributed into self-feeding units and maintained in excess of the animals' consumption. One such unit was available to the dogs in each kennel for three hours each day. During these three-hour intervals, food was consumed on an ad libitum basis. At the end of each seven-day period, all unconsumed food was collected and weighed. Food consumption was then calculated and recorded. Water was available to the animals at all times.

The dogs were under observation during the investigation and were examined daily for clinical signs or symptoms indicative of systemic toxicity.

The following determinations were conducted upon each dog from the untreated control group and three test groups just prior to the inception of the study and after 1, 3, 6, 12, 18 and 24 months of testing:

TOXSTUDIES1359

Hematologic Studies

total leukocyte count
erythrocyte count
hemoglobin
hematocrit
differential leukocyte count

Blood Chemistry Studies

blood urea nitrogen
serum glucose
serum alkaline phosphatase
serum glutamic-oxalacetic transaminase
serum glutamic-pyruvic transaminase

Urine Analyses

albumin
glucose
pH
specific gravity
microscopic elements - leukocytes
erythrocytes
crystals

At the conclusion of the investigation, the dogs from each group were sacrificed by electric shock. All major tissues and organs were examined grossly. The weights of the following organs were obtained: liver, kidneys, heart, brain, spleen, gonads, adrenal glands, thyroid gland and pituitary gland. The following tissues and organs excised from these animals were examined histologically (Hematoxylin-Eosin stain):

0366046

TOXSTUDIES1360

Adrenal Glands
Aorta (thoracic)
Bone (femur)
Bone Marrow (sternum)
Brain (cerebrum, cerebellum, pons)
Caecum
Colon
Esophagus
Gall Bladder
Gonads
Heart
Kidneys
Liver
Lymph Nodes (cervical, mesenteric)
Muscle (skeletal)
Pancreas
Peripheral Nerve (sciatic)
Pituitary Gland
Prostate Gland
Salivary Gland (submaxillary)
Small Intestine (duodenum, jejunum, ileum)
Spinal Cord
Spleen
Stomach (cardia, fundus, pylorus)
Trachea
Thyroid Gland
Uterus
Urinary Bladder

In addition, samples of liver, kidneys, muscle and fat were frozen and saved for chemical residue analyses.

TOXSTUDIES1361

IV. Results

A. Body Weights

Body weight data are presented in Tables II and III.

The mean overall weight gain for animals receiving 100 ppm of Aroclor 1260 is lower than that of the untreated control animals. However, this difference is attributable to the extremely large amount of weight gained by animal 4 in the control group. With the exception of this animal, the untreated control animals and animals in all three test groups compare favorably with respect to body weight gains.

A similar situation exists among female animals employed in the study. Control animal 8 experienced an overall weight gain of 5.4 kilograms, while animal 29 receiving 100 ppm of Aroclor 1260 gained only 0.4 kilograms. These two animals greatly affect the overall mean weight gains for their respective groups. The weight gains of the other animals in both these groups are essentially the same.

It is felt, therefore, that the weight gain difference reflected by the mean overall weight gains for the untreated control and three test groups is not compound related.

TOXSTUDIES1362

TABLE II

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Age at Inception of Test (months)	Body Weights at Week Indicated: 0	1	2	3	4	5	6	7	8	9	10	11	12
UC	None	1	6.5	6.4	6.5	6.8	6.8	6.8	7.0	6.9	7.0	6.8	7.0	7.2	7.3	7.4
		2	6.0	7.1	7.0	7.4	7.2	7.7	8.0	7.8	8.0	8.1	8.4	8.7	8.8	8.9
		3	4.8	6.3	6.6	6.9	7.1	7.3	7.5	7.3	7.8	8.3	8.2	8.3	8.8	8.8
		4	4.8	7.8	7.9	8.4	8.5	8.9	9.2	9.4	10.0	9.8	10.4	10.5	11.0	11.0
		Mean	5.5	6.9	7.0	7.4	7.4	7.7	7.9	7.9	8.2	8.2	8.5	8.7	9.0	9.0
I	1	9	6.8	9.4	9.0	8.4	8.2	8.5	8.4	8.6	8.6	8.5	9.0	8.6	8.3	7.9
		10	6.5	9.7	9.6	9.3	9.6	9.8	9.5	9.2	8.8	10.2	9.7	9.3	8.9	8.7
		11	6.5	9.2	10.2	10.2	10.3	10.6	10.5	10.5	11.0	10.7	10.5	10.8	11.2	11.5
		12	6.0	8.8	9.0	8.6	8.7	8.8	9.2	9.4	9.4	8.8	9.4	8.9	9.8	8.4
		Mean	6.4	9.3	9.4	9.1	9.2	9.4	9.4	9.4	9.4	9.6	9.6	9.4	9.3	9.2
II	10	17	6.8	6.8	8.0	8.2	8.4	8.6	8.7	8.9	9.0	8.8	9.1	9.2	9.1	9.2
		18	6.8	7.3	7.7	8.1	8.2	8.5	8.8	8.4	9.0	8.9	8.9	9.3	9.5	9.3
		19	6.0	8.2	9.2	9.7	10.2	10.1	10.8	10.6	11.1	11.4	11.5	11.5	11.8	11.7
		20	6.0	7.7	7.8	7.8	7.9	8.0	8.4	8.1	8.1	8.3	8.4	8.1	8.2	8.1
		Mean	6.4	7.5	8.2	8.4	8.7	8.8	9.2	9.0	9.3	9.4	9.5	9.5	9.6	9.6
III	100	25	6.8	6.6	6.9	7.0	7.2	7.4	7.4	7.3	7.6	7.6	7.8	8.1	8.2	8.1
		26	6.5	6.7	6.8	6.8	7.0	7.0	7.4	7.2	7.5	7.6	7.6	7.7	7.7	7.6
		27	6.0	6.5	6.7	6.9	6.8	6.9	7.0	6.9	7.3	7.4	6.7	7.2	7.6	7.6
		28	6.0	6.4	6.8	6.8	6.8	7.0	7.1	6.8	7.0	6.9	6.9	6.5	6.6	6.6
		Mean	6.3	6.6	6.8	6.9	7.0	7.1	7.2	7.0	7.4	7.4	7.2	7.4	7.5	7.5

Industrial BIO-TEST Laboratories, Inc.

0366049

TOXSTUDIES1363

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 13	14	15	16	17	18	19	20	21	22	23	24	25	26
UC	None	1	7.1	7.5	7.3	7.3	7.4	7.4	7.2	6.9	7.1	7.0	7.2	7.1	7.2	7.0
		2	8.8	9.1	9.2	9.4	9.5	9.4	9.6	9.5	9.7	9.7	9.9	9.8	9.6	10.0
		3	8.8	9.0	9.2	9.1	9.6	9.4	9.7	9.6	9.7	9.6	10.1	9.6	9.9	9.9
		4	11.1	11.5	11.5	12.0	12.0	12.4	12.9	12.8	12.5	12.1	12.8	13.0	13.1	13.0
		Mean	9.0	9.3	9.3	9.4	9.6	9.6	9.8	9.7	9.8	9.6	10.0	9.9	10.0	10.0
I	1	9	7.8	8.4	8.5	9.8	9.7	9.6	10.3	10.6	10.8	11.1	11.7	11.2	12.0	12.3
		10	10.1	10.9	11.0	11.8	12.1	11.8	11.9	12.2	12.6	12.4	12.7	12.8	12.7	13.0
		11	11.0	11.5	11.7	11.9	11.8	12.0	12.1	12.2	12.3	11.6	12.1	11.9	11.9	12.0
		12	8.0	8.4	9.2	10.4	10.7	10.6	10.9	11.0	11.3	11.6	12.1	12.2	12.4	12.6
		Mean	9.2	9.8	10.1	11.0	11.1	11.0	11.3	11.5	11.8	11.7	12.2	12.0	12.2	12.5
II	10	17	9.2	9.6	9.5	10.4	9.8	9.9	10.2	10.2	10.2	9.9	10.2	9.9	10.1	10.4
		18	9.2	9.5	9.5	9.7	9.7	9.9	10.1	9.8	10.1	10.0	10.0	10.0	9.8	10.1
		19	11.7	12.2	12.3	12.5	12.6	13.1	13.3	13.6	14.0	13.7	13.3	13.6	13.7	13.7
		20	7.8	8.0	8.0	8.1	8.1	8.2	8.5	8.4	8.6	8.3	8.4	8.3	8.3	8.3
		Mean	9.5	9.8	9.8	10.2	10.0	10.3	10.5	10.5	10.7	10.5	10.5	10.4	10.5	10.6
III	100	25	8.1	8.4	8.5	8.1	8.4	8.2	8.6	8.4	8.5	8.3	8.6	8.4	8.3	8.2
		26	7.6	8.1	8.0	7.7	7.6	7.8	7.9	7.7	7.9	7.6	7.8	7.7	7.6	7.7
		27	7.7	7.9	8.2	8.0	8.4	8.3	8.7	8.6	8.0	8.7	8.9	8.9	8.8	8.9
		28	6.5	6.9	7.0	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.9
		Mean	7.5	7.8	7.9	7.7	7.8	7.8	8.0	7.9	8.1	7.9	8.1	8.0	7.9	7.9

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1364

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 27	28	29	30	31	32	33	34	35	36	37	38	39	40
UC	None	1	7.4	6.9	7.2	7.0	7.1	7.2	7.2	7.2	7.1	7.5	7.4	7.4	7.3	7.1
		2	9.8	9.8	10.0	10.0	10.0	9.9	9.8	9.7	10.0	9.9	10.1	9.7	10.0	9.9
		3	9.9	9.8	10.0	10.0	10.0	9.9	9.7	9.7	10.0	10.2	10.2	10.2	10.3	10.2
		4	13.9	13.0	13.4	13.2	13.0	12.9	12.6	13.2	13.5	13.8	13.6	13.5	13.7	13.4
		Mean	10.2	9.9	10.2	10.0	10.0	10.0	9.8	10.1	10.2	10.4	10.3	10.2	10.3	10.2
I	1	9	12.4	11.6	12.0	12.1	12.2	12.4	12.7	12.3	12.4	12.8	12.9	12.9	12.8	12.6
		10	13.1	13.5	13.9	13.1	13.1	13.2	13.4	13.3	13.4	13.6	13.4	13.2	13.3	13.4
		11	12.0	12.1	11.7	11.9	12.0	12.0	11.8	11.7	11.7	12.0	11.8	11.7	12.0	11.8
		12	12.4	12.3	12.2	11.9	12.0	12.1	12.2	11.8	12.2	12.2	12.4	12.0	12.4	12.4
		Mean	12.5	12.4	12.4	12.2	12.3	12.4	12.5	12.3	12.4	12.6	12.6	12.4	12.6	12.6
II	10	17	10.5	10.5	10.4	10.3	10.3	10.3	10.2	10.0	10.5	10.4	10.4	10.4	10.2	9.9
		18	10.3	10.1	9.9	9.9	9.9	9.9	10.0	10.2	9.9	10.0	10.2	9.9	10.1	9.8
		19	13.7	13.5	13.6	13.1	12.8	11.9	12.1	11.9	12.4	12.9	13.0	12.7	13.0	12.4
		20	8.5	8.3	8.0	8.2	8.2	8.2	8.2	8.1	8.3	8.2	8.0	8.0	8.3	7.9
		Mean	10.8	10.6	10.5	10.4	10.3	10.1	10.1	10.0	10.3	10.4	10.4	10.2	10.4	10.0
III	100	25	8.4	8.2	8.2	8.1	8.2	8.4	8.4	8.5	8.6	8.7	8.5	8.7	8.7	8.4
		26	7.8	7.2	7.9	7.6	7.5	7.4	7.7	7.1	6.9	7.1	6.8	6.7	7.0	7.8
		27	9.0	9.0	8.8	8.9	9.0	9.0	9.0	9.0	9.1	9.0	8.9	9.0	9.1	9.1
		28*	7.0	6.8	6.5	6.2	6.2	5.8	4.9	-	-	-	-	-	-	-
		Mean	8.0	7.8	7.8	7.7	7.7	7.6	7.5	8.2	8.2	8.3	8.1	8.1	8.3	8.4

Industrial BIO-TEST Laboratories, Inc.

0366051

TOXSTUDIES1365

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 41	42	43	44	45	46	47	48	49	50	51	52	53	54
UC	None	1	7.4	7.5	7.6	7.5	7.4	7.4	7.5	7.5	7.8	7.5	7.5	7.9	7.8	7.6
		2	10.0	10.0	10.0	9.9	10.0	10.0	10.1	10.0	10.4	10.1	9.7	9.9	10.4	10.2
		3	10.2	10.4	10.2	10.4	10.2	10.1	10.4	10.3	10.5	10.1	10.3	10.7	10.6	10.4
		4	13.5	13.6	13.6	13.5	13.4	13.2	13.4	13.3	13.7	13.6	13.8	14.1	14.4	14.4
		Mean	10.3	10.4	10.4	10.3	10.2	10.2	10.4	10.3	10.6	10.3	10.3	10.6	10.8	10.6
I	1	9	12.8	13.2	13.4	13.1	12.8	13.1	13.1	13.2	13.1	12.6	12.7	12.9	12.9	12.9
		10	13.5	13.5	13.7	14.2	13.8	13.6	13.7	13.6	13.6	13.5	13.9	13.8	13.8	13.5
		11	11.9	12.0	11.9	12.2	12.2	12.1	11.8	12.1	12.2	12.0	11.9	12.4	12.2	12.1
		12	12.8	12.9	13.1	13.1	12.8	12.9	13.1	13.6	13.3	13.1	13.3	13.0	13.2	13.3
		Mean	12.8	12.9	13.0	13.2	12.9	12.9	12.9	13.1	13.0	12.8	13.0	13.0	13.0	13.0
II	10	17	9.5	9.7	10.1	10.2	10.1	10.1	10.4	10.6	10.9	10.5	10.3	10.6	10.4	10.6
		18	9.8	9.8	9.9	10.2	10.0	10.2	10.2	10.4	10.7	10.5	10.0	10.4	10.1	10.4
		19	12.5	12.4	13.2	13.3	13.1	12.8	12.7	13.6	14.1	13.6	13.1	12.1	12.1	12.3
		20	8.0	8.0	8.4	8.1	8.1	8.2	8.3	8.3	8.5	8.2	8.2	8.7	7.8	8.2
		Mean	10.0	10.0	10.4	10.4	10.3	10.3	10.4	10.7	11.0	10.7	10.4	10.4	10.1	10.4
III	100	25	8.7	8.7	9.1	9.0	8.7	8.9	9.0	8.9	9.3	9.0	9.0	9.1	9.1	9.0
		26	6.5	6.2	6.5	7.2	7.2	7.9	7.9	8.2	8.5	8.3	8.4	8.6	8.5	8.1
		27	9.2	9.2	9.4	9.5	9.2	9.3	9.5	9.5	9.8	9.4	9.2	9.4	9.4	9.4
		28*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mean	8.1	8.0	8.3	8.6	8.4	8.7	8.8	8.9	9.2	8.9	8.9	9.0	9.0	8.8

Industrial BIO-TEST Laboratories, Inc.

0366052

TOXSTUDIES1366

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 55	56	57	58	59	60	61	62	63	64	65	66	67	68
UC	None	1	7.5	7.7	7.7	8.0	7.8	7.8	7.9	7.8	7.9	7.9	7.6	7.8	8.1	8.0
		2	10.0	10.2	10.1	10.1	10.2	10.1	10.2	10.1	10.2	10.3	10.0	10.0	10.3	10.1
		3	10.2	10.3	10.2	10.4	10.4	10.5	10.3	10.1	10.1	10.1	10.4	10.4	10.4	10.5
		4	14.0	14.0	14.1	14.0	14.2	14.1	14.4	14.1	14.0	14.1	14.2	14.2	14.3	14.2
		Mean	10.4	10.6	10.5	10.6	10.6	10.6	10.7	10.5	10.6	10.6	10.6	10.6	10.8	10.7
I	1	9	12.2	12.3	12.5	12.7	12.4	12.7	12.9	12.0	12.7	12.4	12.4	12.8	13.0	12.5
		10	13.9	13.6	13.5	13.4	13.7	13.4	13.6	13.4	13.5	13.6	13.4	13.4	13.8	13.6
		11	12.3	12.1	12.1	12.0	12.0	12.1	12.2	12.0	12.1	12.2	12.0	12.0	12.0	11.8
		12	13.5	13.1	13.2	12.7	12.7	13.0	13.0	13.0	13.0	12.9	12.8	12.9	12.9	12.9
		Mean	13.0	12.8	12.8	12.7	12.7	12.8	12.9	12.6	12.8	12.8	12.6	12.8	12.9	12.7
II	10	17	10.8	10.7	10.6	11.0	10.8	10.8	11.0	10.7	10.8	11.0	10.9	11.0	11.1	11.1
		18	10.0	9.9	10.4	10.0	9.8	10.0	10.1	10.0	10.2	10.0	10.0	10.4	10.4	10.4
		19	12.4	12.4	12.1	12.9	12.6	13.2	13.3	13.4	13.5	13.5	13.6	13.8	13.8	13.6
		20	8.4	8.4	8.3	8.2	8.4	8.2	8.3	8.1	8.2	8.2	8.3	8.4	8.5	8.4
		Mean	10.4	10.4	10.4	10.5	10.4	10.6	10.7	10.6	10.7	10.7	10.7	10.9	11.0	10.9
III	100	25	8.9	8.6	8.7	9.0	9.0	9.0	8.9	9.1	8.8	8.9	9.1	9.0	9.2	9.0
		26	7.9	7.8	8.0	8.2	8.0	8.5	8.4	8.2	8.0	8.2	8.1	8.4	8.4	8.6
		27	9.4	8.9	9.2	9.3	9.2	9.4	9.4	9.4	9.3	9.5	9.3	9.2	9.4	9.5
		28*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mean	8.7	8.4	8.6	8.8	8.7	9.0	8.9	8.9	8.7	8.9	8.8	8.9	9.0	9.0

TOXSTUDIES1367

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 69	70	71	72	73	74	75	76	77	78	79	80	81
UC	None	1	7.8	8.1	8.1	7.6	7.6	7.9	7.8	7.8	7.8	7.4	7.5	7.4	7.6
		2	9.9	9.9	10.3	9.7	10.0	10.1	10.1	10.1	10.0	9.7	9.7	9.2	9.2
		3	10.5	10.5	10.5	10.2	10.5	10.4	10.4	10.5	10.4	10.2	10.2	9.9	9.9
		4	14.2	14.4	14.5	14.1	14.4	14.5	14.3	14.4	14.4	14.1	14.1	13.2	13.4
		Mean	10.6	10.7	10.8	10.4	10.6	10.7	10.6	10.7	10.6	10.4	10.4	9.9	10.0
I	1	9	12.8	13.3	13.1	12.7	13.9	13.3	12.9	13.4	12.9	13.0	13.0	12.3	13.0
		10	13.8	13.8	14.2	14.0	14.4	13.8	13.5	13.7	13.7	13.3	14.0	13.5	14.1
		11	12.2	12.3	12.0	12.0	12.1	12.0	11.9	12.2	11.7	11.2	12.0	11.5	11.9
		12	12.7	13.6	13.0	12.9	12.8	13.0	12.8	12.9	12.6	12.9	12.7	12.2	12.0
		Mean	12.9	13.2	13.1	12.9	13.3	13.0	12.8	13.0	12.7	12.6	12.9	12.4	12.8
II	10	17	11.0	11.2	11.0	11.2	10.9	11.2	11.0	11.0	10.9	11.0	11.1	11.0	10.9
		18	10.7	10.7	10.5	10.4	10.5	10.5	10.6	10.8	10.4	10.3	10.4	10.3	10.2
		19	13.6	14.2	14.2	14.2	14.0	14.2	14.3	14.6	14.7	14.3	14.6	14.2	14.1
		20	8.4	8.5	8.4	8.4	8.4	8.5	8.3	8.3	8.0	8.1	8.2	8.1	8.4
		Mean	10.9	11.2	11.0	11.0	11.0	11.1	11.0	11.2	11.0	10.9	11.1	10.9	10.9
III	100	25	9.0	9.3	9.0	9.0	9.5	9.1	8.9	9.0	8.9	8.7	8.9	8.9	8.7
		26	8.5	8.7	8.6	8.4	8.3	8.4	8.0	8.2	8.4	8.3	8.0	8.3	8.1
		27	9.5	9.7	9.5	9.7	9.5	9.7	9.3	9.4	9.4	9.4	9.6	9.5	9.4
		28*	-	-	-	-	-	-	-	-	-	-	-	-	-
		Mean	9.0	9.2	9.0	9.0	9.1	9.1	8.7	8.9	8.9	8.8	8.8	8.9	8.7

0360054

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1368

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 82	83	84	85	86	87	88	89	90	91	92	93
UC	None	1	7.6	7.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.0	7.5	7.6
		2	9.3	9.5	9.4	9.6	9.9	9.9	10.0	10.0	9.9	10.4	10.0	10.3
		3	10.2	10.2	10.2	10.1	10.5	10.5	10.4	10.2	10.5	10.6	10.5	10.5
		4	13.5	13.9	13.6	13.9	14.0	14.1	14.2	14.3	14.5	15.0	14.4	14.8
		Mean	10.2	10.2	10.2	10.3	10.5	10.5	10.6	10.5	10.6	11.0	10.6	10.8
I	1	9	13.0	12.8	12.6	12.8	13.3	13.2	13.2	13.0	13.5	13.5	12.8	13.2
		10	14.0	14.0	14.1	13.9	14.2	14.0	14.0	14.1	14.0	14.0	13.5	13.7
		11	11.9	12.3	12.2	12.5	12.4	12.6	12.6	12.7	13.0	13.0	12.8	12.7
		12	12.5	12.5	12.6	12.3	12.7	12.4	12.4	13.0	13.2	13.3	13.2	13.0
		Mean	12.8	12.9	12.9	12.9	13.2	13.0	13.0	13.2	13.4	13.4	13.1	13.7
II	10	17	10.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.3	11.5	11.4	11.2
		18	9.9	10.2	10.1	10.0	10.0	10.2	10.4	10.3	10.5	10.5	10.3	10.2
		19	13.5	13.6	13.2	13.2	13.0	13.5	13.7	13.1	13.5	13.0	12.8	12.5
		20	7.9	8.0	8.5	8.2	7.9	8.2	8.7	8.3	8.5	8.8	8.5	8.5
		Mean	10.5	10.7	10.7	10.6	10.5	10.7	11.0	10.7	11.0	11.0	10.8	10.6
III	100	25	8.9	8.7	8.7	8.5	8.9	8.9	8.9	9.1	9.2	9.4	9.0	9.2
		26	8.3	8.0	8.1	8.3	8.1	8.2	8.2	7.8	7.8	7.9	7.3	7.5
		27	9.4	9.5	9.7	9.6	9.8	9.5	9.5	9.4	9.7	9.9	9.5	9.6
		28*	-	-	-	-	-	-	-	-	-	-	-	-
		Mean	8.9	8.7	8.8	8.8	8.9	8.9	8.9	8.8	8.9	9.1	8.6	8.8

0366055

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1369

TABLE II continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Males, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 94	95	96	97	98	99	100	101	102	103	104	Overall Weight Gain
UC	None	1	7.8	7.7	7.8	7.8	7.6	7.6	7.6	7.5	7.6	7.7	7.6	1.2
		2	9.9	10.2	10.0	10.0	9.8	10.0	9.8	9.8	9.9	10.0	10.0	2.9
		3	10.5	10.4	10.2	10.2	10.1	10.0	10.1	10.1	10.2	10.3	10.1	3.8
		4	14.8	15.2	15.0	14.7	14.5	14.2	14.4	14.4	14.4	14.6	14.8	7.0
		Mean	10.8	10.9	10.8	10.7	10.5	10.4	10.5	10.4	10.5	10.6	10.6	3.7
I	1	9	12.9	13.2	13.0	12.5	12.5	12.6	12.7	12.8	13.0	13.1	13.2	3.8
		10	13.7	13.8	13.7	13.5	13.5	14.0	13.9	13.7	13.9	14.0	13.9	3.2
		11	12.5	12.5	12.3	12.2	12.0	12.4	12.3	12.2	12.6	12.7	12.6	3.4
		12	13.0	13.2	13.0	13.0	13.0	13.5	13.2	13.2	13.4	13.5	13.1	4.3
		Mean	13.0	13.2	13.0	12.8	12.8	13.1	13.0	13.0	13.2	13.3	13.2	3.9
II	10	17	11.2	11.3	11.3	10.5	11.0	11.0	10.9	10.8	11.2	11.1	11.0	4.2
		18	10.3	10.3	10.4	11.0	10.2	10.2	10.2	10.1	10.4	10.4	10.2	2.9
		19	11.9	11.6	12.2	11.4	11.8	11.5	11.2	11.3	11.7	11.9	11.8	3.6
		20	8.6	8.5	8.4	8.3	8.2	8.3	8.1	8.1	8.7	8.6	8.4	0.7
		Mean	10.5	10.4	10.6	10.3	10.3	10.2	10.1	10.1	10.5	10.5	10.4	2.9
III	100	25	9.0	8.9	9.3	9.3	9.2	9.5	9.3	9.1	9.1	9.5	9.4	2.8
		26	7.6	7.7	7.6	7.6	7.4	7.5	7.5	7.6	7.7	7.8	7.9	1.2
		27	9.7	9.8	9.6	9.6	9.2	9.4	9.5	9.5	9.6	9.7	9.5	3.0
		28*	-	-	-	-	-	-	-	-	-	-	-	(-1.5)
		Mean	8.8	8.8	8.8	8.8	8.6	8.8	8.8	8.7	8.8	9.0	8.9	2.3

Note: Overall weight gain for animal that died during the study is in parentheses and is not included in the calculation of the mean.

* Animal died after 33 weeks of testing.

0366056

TOXSTUDIES1370

TABLE III

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Age at Inception of Test (months)	Body Weights at Week Indicated: 0	1	2	3	4	5	6	7	8	9	10	11	12
UC	None	5	6.0	6.4	6.6	6.8	6.8	7.1	7.3	7.2	7.5	7.4	7.5	7.5	7.3	6.7
		6	6.0	7.1	7.5	7.8	7.9	8.2	8.4	8.8	9.0	8.9	8.9	8.9	9.0	9.0
		7	4.8	6.5	6.4	6.9	7.2	7.3	7.4	7.4	7.8	7.7	7.7	7.7	7.9	8.1
		8	4.8	7.2	7.4	7.7	7.8	8.2	8.3	8.2	8.8	8.8	9.2	9.3	9.7	9.8
		Mean	5.4	6.8	7.0	7.3	7.4	7.7	7.8	7.9	8.2	8.2	8.3	8.4	8.5	8.4
I	1	13	6.8	6.3	6.3	6.4	6.5	6.6	6.8	6.8	6.8	6.8	6.9	7.0	7.2	7.4
		14	6.8	6.2	6.2	6.5	6.7	7.2	7.5	7.4	7.5	7.8	7.8	8.0	7.5	7.7
		15	6.0	6.6	6.1	6.7	7.2	7.5	7.6	7.6	7.7	8.0	8.1	8.3	8.5	8.6
		16	5.8	6.5	6.7	6.9	7.2	7.5	7.7	7.7	7.7	7.8	7.8	7.9	8.4	8.3
		Mean	6.4	6.4	6.3	6.6	6.9	7.2	7.4	7.4	7.4	7.6	7.6	7.8	7.9	8.0
II	10	21	7.0	6.7	6.9	7.0	7.0	7.2	7.3	7.3	7.6	7.5	6.9	7.2	7.4	7.5
		22	6.8	7.3	7.6	7.8	8.1	8.2	8.4	7.9	8.6	8.6	8.6	8.6	9.6	8.8
		23	6.8	6.8	7.2	7.2	7.4	7.3	7.6	7.6	8.0	7.8	7.6	8.0	8.0	8.5
		24	6.0	7.5	7.7	8.0	8.1	8.4	8.5	8.5	9.0	8.9	8.7	9.1	9.0	9.0
		Mean	6.6	7.1	7.4	7.5	7.6	7.8	8.0	7.8	8.3	8.2	8.0	8.2	8.2	8.4
III	100	29	7.0	7.2	7.0	7.3	7.4	7.5	7.5	7.3	7.5	7.3	7.7	7.8	7.7	7.7
		30	6.8	6.8	7.1	7.2	7.3	7.5	7.8	7.6	8.1	8.2	8.2	8.5	7.8	8.9
		31	6.5	5.9	6.3	6.5	6.6	6.7	6.8	6.6	6.8	6.8	7.0	6.7	6.7	6.7
		32	6.0	7.1	7.3	7.6	7.6	7.7	7.6	7.6	7.7	7.9	7.9	8.2	8.3	7.6
		Mean	6.6	6.8	6.9	7.2	7.2	7.4	7.4	7.3	7.5	7.6	7.7	7.8	7.9	7.7

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1371

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 13	14	15	16	17	18	19	20	21	22	23	24	25	26
UC	None	5	6.2	6.5	7.0	7.3	7.5	7.8	8.0	7.9	8.1	8.1	8.2	8.3	8.3	8.1
		6	9.0	9.0	9.1	9.1	9.3	9.1	9.3	9.5	9.5	9.4	9.6	9.4	9.5	9.5
		7	7.9	8.2	8.2	8.3	8.3	8.5	8.8	8.5	8.9	8.7	8.9	8.7	8.7	8.8
		8	9.9	10.1	10.2	10.3	10.4	10.5	10.5	10.2	10.4	10.4	10.9	10.9	10.9	10.9
		Mean	8.2	8.4	8.6	8.8	8.9	9.0	9.2	9.0	9.2	9.2	9.4	9.3	9.4	9.3
I	1	13	7.2	7.3	7.5	7.5	7.5	7.9	8.0	8.0	8.1	7.8	7.8	7.6	7.8	7.7
		14	7.9	7.8	8.0	8.2	8.4	8.6	8.8	9.0	8.4	8.3	8.6	8.2	8.7	8.9
		15	8.7	8.7	8.7	8.9	9.0	9.0	9.2	9.2	9.3	9.1	9.6	9.1	9.1	8.9
		16	8.3	8.0	8.2	8.3	8.2	8.4	8.9	9.0	9.1	9.0	9.2	9.0	9.4	9.3
		Mean	8.0	8.0	8.1	8.2	8.3	8.5	8.7	8.8	8.7	8.6	8.8	8.5	8.8	8.7
II	10	21	7.5	7.7	7.4	7.7	7.6	7.8	7.8	7.8	7.9	7.8	8.0	7.7	7.9	7.9
		22	8.5	8.6	8.5	8.5	8.8	8.8	8.9	8.9	9.0	8.7	9.0	8.9	8.9	9.0
		23	8.0	8.1	8.1	8.3	8.1	8.2	8.3	8.3	8.8	8.5	8.8	8.7	8.8	8.8
		24	9.1	9.4	9.2	9.6	9.4	9.6	9.9	9.9	10.1	9.9	10.1	9.8	10.1	10.2
		Mean	8.3	8.4	8.3	8.5	8.5	8.6	8.7	8.7	9.0	8.7	9.0	8.8	8.9	9.0
III	100	29	7.8	8.0	8.0	7.7	7.9	8.0	8.1	8.1	8.1	8.0	8.2	8.1	8.2	8.2
		30	9.0	9.4	9.5	9.2	9.3	9.5	9.5	9.7	9.9	9.4	9.4	9.4	9.4	9.5
		31	6.4	6.4	5.5	6.0	6.6	6.8	6.7	6.0	6.5	6.2	6.6	6.7	6.7	6.7
		32	8.4	8.6	8.7	8.6	8.7	8.6	8.6	8.6	8.8	8.6	8.9	8.8	8.8	8.8
		Mean	7.9	8.1	7.9	7.9	8.1	8.2	8.2	8.1	8.3	8.0	8.3	8.2	8.3	8.3

Industrial BIO-TEST Laboratories, Inc.

0366058

TOXSTUDIES1372

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 27	28	29	30	31	32	33	34	35	36	37	38	39	40
UC	None	5	8.3	8.3	8.3	8.4	8.5	8.6	8.5	8.5	8.9	8.5	8.4	8.4	8.6	8.5
		6	9.5	9.5	9.5	9.8	9.8	9.8	9.4	9.5	9.9	9.6	9.7	9.6	9.9	10.0
		7	8.8	8.9	9.2	9.1	9.2	9.3	9.2	9.1	9.3	9.3	9.2	9.0	9.0	9.1
		8	11.0	10.9	10.9	11.0	10.8	10.4	10.8	10.8	10.6	10.5	10.4	10.4	10.7	10.6
		Mean	9.4	9.4	9.5	9.6	9.6	9.5	9.5	9.5	9.7	9.5	9.4	9.4	9.6	9.6
I	1	13	7.6	7.5	7.4	7.4	7.4	7.4	7.5	7.3	7.6	7.7	7.7	7.5	7.5	7.4
		14	8.7	9.0	8.9	9.3	9.2	9.2	9.1	9.4	9.3	9.7	9.8	9.8	10.0	9.9
		15	9.1	9.1	8.9	9.0	9.0	9.1	8.9	8.9	9.3	9.1	9.0	9.1	9.1	9.2
		16	9.6	9.5	9.4	9.4	9.4	9.4	9.3	9.5	9.5	9.4	9.3	9.3	9.2	9.3
		Mean	8.8	8.8	8.6	8.6	8.8	8.8	8.7	8.8	8.9	9.0	9.0	8.9	9.0	9.0
II	10	21	7.7	8.0	8.8	7.8	7.8	7.9	7.9	8.0	8.2	8.0	8.0	7.9	7.8	7.6
		22	9.1	8.9	8.6	8.9	8.9	9.0	8.8	9.0	9.3	9.2	9.0	9.1	8.9	8.6
		23	9.0	9.1	9.1	9.1	9.0	9.0	8.5	8.1	8.8	8.7	8.6	8.6	8.8	8.5
		24	10.5	10.3	10.0	9.6	9.6	9.6	9.4	9.4	9.7	9.5	9.4	9.6	9.6	9.4
		Mean	9.1	9.1	9.1	8.8	8.8	8.9	8.6	8.8	9.0	8.8	8.8	8.8	8.8	8.5
III	100	29	8.3	8.2	8.2	8.0	7.9	8.0	7.7	7.8	7.9	7.9	7.9	7.9	7.9	7.8
		30	9.6	9.3	9.0	9.0	8.9	9.0	8.9	8.9	9.4	9.5	9.3	9.3	9.3	9.3
		31*	6.2	5.4	4.3	-	-	-	-	-	-	-	-	-	-	-
		32	9.1	9.0	8.9	8.9	8.7	8.8	9.0	9.0	9.1	9.3	9.1	9.1	9.0	9.0
		Mean	8.3	8.0	7.6	8.6	8.5	8.6	8.5	8.6	8.8	8.9	8.8	8.8	8.7	8.7

TOXSTUDIES1373

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 41	42	43	44	45	46	47	48	49	50	51	52	53	54
UC	None	5	9.0	8.7	8.7	8.6	8.6	8.6	8.8	9.0	9.2	8.9	9.2	9.0	9.0	9.0
		6	10.7	10.4	10.4	10.3	10.1	10.0	10.1	10.2	10.3	9.8	10.0	9.7	9.7	9.7
		7	9.5	9.1	9.3	9.2	8.8	8.9	9.2	9.4	9.3	9.0	9.2	9.4	9.5	9.3
		8	11.2	11.0	11.2	11.2	11.1	10.8	11.4	11.5	11.8	11.1	11.5	11.5	11.7	11.9
		Mean	10.1	9.8	9.9	9.8	9.6	9.6	9.9	10.0	10.2	9.7	10.0	9.9	10.0	10.0
I	1	13	7.5	7.6	7.8	7.7	7.6	7.6	7.8	7.7	7.7	7.9	8.0	8.1	8.1	8.1
		14	10.2	10.3	9.8	9.8	9.7	9.4	9.5	9.2	9.2	9.2	9.2	9.2	9.3	9.4
		15	9.2	9.0	9.4	9.5	9.4	9.2	9.4	9.7	9.7	9.6	9.1	9.2	9.2	9.3
		16	9.4	9.5	9.5	9.4	9.2	9.1	9.1	9.1	9.1	9.1	9.3	9.4	9.5	9.5
		Mean	9.1	9.1	9.1	9.1	9.0	8.8	9.0	8.9	8.9	9.0	8.9	9.0	9.0	9.1
II	10	21	7.7	7.7	8.1	8.0	8.0	8.0	8.2	8.2	8.4	8.1	8.1	8.1	8.2	8.3
		22	8.2	8.3	8.6	8.6	8.9	8.8	9.1	9.0	9.3	9.1	9.1	9.2	9.3	9.3
		23	8.4	8.7	8.9	9.0	8.9	8.7	9.1	9.0	9.3	9.0	9.2	9.1	9.2	9.1
		24	9.5	9.8	9.9	10.0	10.0	9.9	10.2	10.2	10.3	10.3	10.4	10.4	10.4	10.5
		Mean	8.4	8.6	8.9	8.9	9.0	8.8	9.2	9.1	9.3	9.1	9.2	9.2	9.3	9.3
III	100	29	8.0	8.0	8.1	8.1	7.9	8.4	8.2	8.0	8.0	7.9	8.1	8.0	8.0	7.9
		30	9.7	9.9	9.9	10.1	9.7	9.6	9.9	9.9	9.6	9.3	9.4	9.3	9.4	9.5
		31*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		32	9.0	9.2	9.1	9.0	8.7	8.8	9.1	9.0	9.0	9.0	9.2	9.1	9.0	9.1
		Mean	8.9	9.0	9.0	9.1	8.8	8.9	9.1	9.0	8.9	8.7	8.9	8.8	8.8	8.8

Industrial BIO-TEST Laboratories, Inc.

036060

TOXSTUDIES1374

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 55	56	57	58	59	60	61	62	63	64	65	66	67	68
UC	None	5	8.6	9.1	8.9	8.8	8.7	8.5	8.8	8.5	8.9	8.7	8.7	8.6	8.8	8.9
		6	9.5	9.5	9.4	9.6	9.6	9.7	9.7	9.6	9.8	9.8	9.8	9.9	10.1	10.1
		7	8.9	9.3	9.6	9.4	9.7	9.9	9.9	9.8	9.7	10.0	9.9	10.0	9.9	9.6
		8	11.7	11.9	11.9	11.9	12.1	12.1	12.3	11.9	11.8	11.5	11.4	11.2	11.9	11.9
		Mean	9.7	10.0	10.0	9.9	10.0	10.0	10.2	10.0	10.0	10.0	10.0	9.9	10.2	10.1
I	1	13	8.2	8.1	8.2	8.2	8.2	8.2	7.9	8.1	7.9	8.0	7.9	8.0	8.1	7.9
		14	9.5	9.2	9.4	9.4	9.4	9.3	9.6	9.6	9.6	9.6	9.7	9.8	9.9	9.8
		15	9.3	9.3	9.3	9.5	9.3	9.4	9.6	9.8	9.7	9.7	9.7	10.0	10.0	10.0
		16	9.6	9.5	9.8	9.7	9.4	9.7	9.6	9.2	9.1	9.4	9.3	9.5	9.3	9.2
		Mean	9.2	9.0	9.2	9.2	9.1	9.2	9.2	9.2	9.1	9.2	9.2	9.3	9.3	9.2
II	10	21	8.2	8.2	8.3	8.1	8.0	7.8	7.9	8.0	8.0	8.2	8.0	8.2	8.1	8.2
		22	9.3	9.3	9.3	9.4	9.3	9.2	9.3	9.4	9.4	9.3	9.3	9.5	9.4	9.5
		23	9.2	9.3	9.3	9.4	9.2	9.3	9.8	9.8	9.6	9.4	9.2	9.1	9.3	9.2
		24	10.1	10.4	10.6	10.6	10.7	10.4	10.9	11.0	11.2	11.3	10.8	11.0	10.9	11.0
		Mean	9.2	9.3	9.4	9.4	9.3	9.2	9.5	9.6	9.6	9.6	9.3	9.4	9.4	9.5
III	100	29	7.8	7.8	7.7	7.4	7.4	7.6	7.5	7.4	7.4	7.5	7.3	7.8	7.7	7.6
		30	9.5	9.7	9.8	9.9	9.8	9.8	9.9	10.1	9.8	10.1	10.2	10.4	10.4	10.4
		31*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		32	9.2	9.2	9.3	9.2	9.2	9.1	9.1	9.2	9.2	9.4	9.4	9.5	9.8	9.7
		Mean	8.8	8.9	8.9	8.8	8.8	8.8	8.8	8.9	8.8	9.0	9.0	9.2	9.3	9.2

TOXSTUDIES1375

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 69	70	71	72	73	74	75	76	77	78	79	80	81
UC	None	5	8.6	8.8	8.9	9.0	9.2	9.1	9.1	9.0	9.0	9.2	9.3	9.2	8.9
		6	10.3	10.4	10.3	10.3	10.5	10.7	10.4	10.3	10.3	10.5	10.6	10.0	10.2
		7	9.6	9.7	9.5	9.4	9.5	9.4	9.5	9.4	9.2	9.4	9.3	9.0	9.2
		8	11.8	12.1	12.0	11.6	12.2	11.9	12.0	12.1	12.3	12.1	12.2	11.9	12.2
		Mean	10.1	10.2	10.2	10.1	10.4	10.3	10.2	10.2	10.2	10.3	10.4	10.0	10.1
I	1	13	8.1	8.1	7.8	7.9	8.0	7.8	7.5	7.6	7.5	7.5	7.5	7.4	7.4
		14	10.1	9.9	9.7	9.9	9.6	9.3	9.0	9.0	8.7	8.9	9.1	8.9	9.0
		15	10.1	9.9	9.8	9.9	10.2	10.0	10.0	10.2	10.0	10.0	10.1	10.0	10.1
		16	9.3	9.3	9.4	9.1	9.5	9.3	9.1	9.3	8.9	8.6	8.9	9.2	9.1
		Mean	9.4	9.3	9.2	9.2	9.3	9.1	8.9	9.0	8.8	8.8	8.9	8.9	8.9
II	10	21	8.3	8.3	8.4	8.5	8.3	8.2	8.3	8.5	8.2	8.3	8.4	8.4	8.2
		22	9.4	9.4	9.3	9.3	9.4	9.2	9.2	9.3	9.0	9.2	9.5	9.4	9.2
		23	9.0	9.1	9.1	9.5	9.0	9.2	8.6	9.1	9.0	9.0	8.9	9.4	9.0
		24	11.1	11.0	11.1	11.0	11.0	10.8	10.6	10.9	10.8	10.6	10.5	10.3	10.4
		Mean	9.4	9.4	9.5	9.6	9.4	9.4	9.2	9.4	9.2	9.3	9.3	9.4	9.2
III	100	29	7.7	7.8	7.6	7.8	7.8	7.6	7.4	7.8	7.7	7.6	7.7	7.8	7.5
		30	10.3	10.6	10.2	10.1	10.0	10.1	9.9	10.1	9.9	9.5	9.8	10.0	9.6
		31*	-	-	-	-	-	-	-	-	-	-	-	-	-
		32	9.8	9.7	9.4	9.6	9.5	9.5	9.2	9.4	9.0	8.9	9.0	9.2	8.7
		Mean	9.3	9.4	9.1	9.2	9.1	9.1	8.8	9.1	8.9	8.7	8.8	9.0	8.6

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1376

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 82	83	84	85	86	87	88	89	90	91	92	93
UC	None	5	9.4	9.1	9.4	9.9	10.0	9.8	9.7	9.7	9.6	9.9	9.5	9.5
		6	10.0	10.0	10.3	9.6	10.1	10.1	10.1	10.5	10.5	11.0	10.1	10.5
		7	9.4	9.5	9.9	10.0	10.0	10.0	9.9	10.1	10.2	10.0	10.0	9.9
		8	12.2	12.2	12.6	12.5	12.8	12.5	12.3	12.7	12.9	13.0	12.5	11.7
		Mean	10.2	10.2	10.6	10.5	10.7	10.6	10.5	10.8	10.8	11.0	10.5	10.4
I	1	13	7.4	7.4	7.6	7.5	7.6	7.5	7.1	8.4	7.6	7.5	7.8	7.8
		14	9.0	9.0	9.3	9.4	9.3	9.4	9.4	9.5	9.2	9.2	9.2	9.2
		15	10.2	10.2	10.2	10.2	10.5	10.3	10.3	10.3	9.8	10.1	10.0	10.0
		16	9.3	9.4	9.5	9.8	9.7	9.7	9.7	9.7	10.0	9.4	9.6	9.0
		Mean	9.0	9.0	9.2	9.2	9.3	9.2	9.1	9.2	9.2	9.0	9.2	9.0
II	10	21	8.2	8.2	8.4	8.3	8.2	8.3	8.5	8.4	8.4	8.7	8.5	8.5
		22	9.3	9.5	9.3	9.5	9.3	9.4	9.6	9.6	9.3	9.7	9.5	9.5
		23	9.2	9.2	9.2	9.2	9.2	9.5	9.5	9.4	9.3	9.7	9.6	9.3
		24	10.1	10.4	10.4	10.1	10.3	10.5	10.8	11.1	11.2	11.3	11.0	11.2
		Mean	9.2	9.3	9.3	9.3	9.2	9.4	9.6	9.6	9.6	9.8	9.6	9.6
III	100	29	7.4	7.3	7.3	7.3	7.3	7.5	7.5	7.5	7.7	7.2	7.5	7.6
		30	9.6	9.7	9.9	10.0	9.9	10.2	10.2	10.2	10.1	10.5	10.2	10.5
		31*	-	-	-	-	-	-	-	-	-	-	-	-
		32	8.6	8.6	8.6	8.9	8.8	8.7	8.7	8.7	9.2	9.2	9.2	9.4
		Mean	8.5	8.5	8.6	8.7	8.7	8.8	8.8	8.8	9.0	9.0	9.0	9.2

TOXSTUDIES1377

TABLE III continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Body Weight Data for Females, kilograms

Group	Dietary Level (ppm)	Dog Number	Body Weights at Week Indicated: 94	95	96	97	98	99	100	101	102	103	104	Overall Weight Gain
UC	None	5	9.2	9.2	9.2	9.0	8.9	9.2	9.3	9.0	9.3	9.1	9.2	2.8
		6	10.5	10.5	10.4	10.3	10.5	10.3	10.3	10.4	10.6	10.4	10.6	3.5
		7	9.7	10.0	9.9	9.5	9.7	9.3	9.5	9.2	9.6	9.4	9.5	3.0
		8	12.4	12.4	12.2	12.4	12.5	12.5	12.6	12.5	12.4	12.4	12.6	5.4
		Mean	10.4	10.5	10.4	10.3	10.4	10.3	10.4	10.3	10.5	10.3	10.5	3.7
I	1	13	8.0	8.0	8.2	8.2	8.2	8.3	8.2	7.9	7.8	8.0	8.1	1.8
		14	9.4	9.1	9.7	9.7	9.5	10.0	9.6	9.5	9.4	9.6	9.7	3.5
		15	9.7	9.5	9.6	9.6	9.5	9.5	9.6	9.7	9.8	9.9	9.9	3.3
		16	9.0	9.1	9.3	9.5	9.7	10.2	10.2	9.7	10.0	9.9	9.9	3.4
		Mean	9.0	8.9	9.2	9.2	9.2	9.5	9.4	9.2	9.2	9.4	9.4	3.0
II	10	21	8.5	8.5	8.4	8.6	8.7	8.6	8.6	8.5	8.7	8.6	8.8	2.1
		22	9.5	9.5	9.4	9.7	9.3	9.2	9.3	9.2	9.3	9.5	9.7	2.4
		23	9.5	9.5	9.6	9.6	9.6	9.9	9.8	9.1	9.7	9.6	9.5	2.7
		24	11.0	11.2	11.1	11.2	11.5	11.3	11.3	11.2	11.1	11.3	11.4	3.9
		Mean	9.6	9.7	9.6	9.8	9.8	9.8	9.8	9.5	9.7	9.8	9.8	2.7
III	100	29	7.5	7.3	7.3	7.3	6.9	6.8	6.7	6.8	7.0	7.3	7.6	0.4
		30	10.4	10.4	10.4	10.2	10.2	10.1	10.3	10.4	10.3	10.5	10.6	3.8
		31*	-	-	-	-	-	-	-	-	-	-	-	(-1.6)
		32	8.7	9.0	9.2	9.1	8.7	9.1	9.2	9.4	9.5	9.7	9.8	2.7
		Mean	8.9	8.9	9.0	8.9	8.6	8.7	8.7	8.9	8.9	9.2	9.3	2.3

Note: Overall weight gain for animal that died during the study is in parentheses and is not included in the calculation of the mean.

* Animal died after 29 weeks of testing.

0366064

TOXSTUDIES1378

B. Food Consumption Data

Food consumption data are presented in Table IV. No significant abnormalities were noted at any of the levels tested.

TOXSTUDIES1379

TABLE IV

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Food Consumption Data

	Mean Food Consumed During Week Indicated (gm/kg of body weight)							
Sex:	Males				Females			
Group:	UC	I	II	III	UC	I	II	III
Week Dietary Level (ppm):	None	1	10	100	None	1	10	100
1	268	173	308	276	282	337	321	290
2	290	118	289	286	277	364	277	260
3	287	220	302	286	290	355	306	264
4	305	229	233	271	276	340	282	243
5	285	165	255	306	279	311	281	253
6	323	271	333	364	348	338	385	325
7	201	303	220	189	180	186	187	170
8	280	260	271	213	274	286	268	276
9	244	238	219	255	300	245	362	224
10	253	245	255	311	262	308	326	276
11	244	153	221	263	209	237	268	202
12	261	193	268	287	265	259	327	244
13	267	206	210	247	238	259	247	218
14	296	306	276	307	235	269	289	219
15	253	297	245	231	276	315	280	171
16	287	318	274	266	304	314	291	225
17	253	315	252	295	250	298	253	210
18	286	243	286	279	306	309	320	256
19	278	259	267	278	293	299	296	232
20	237	304	255	240	269	284	284	201
21	242	254	238	275	282	250	286	265
22	234	256	228	259	264	276	264	247
23	282	287	255	265	279	261	275	208
24	250	248	209	247	255	197	261	210
25	235	279	252	263	253	273	306	244
26	245	300	231	250	372	244	280	211
27	242	200	250	241	316	256	291	259

0366066

TOXSTUDIES1380

TABLE IV continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Food Consumption Data

	Mean Food Consumed During Week Indicated (gm/kg of body weight)							
Sex:	Males				Females			
Group:	UC	I	II	III	UC	I	II	III
Week Dietary Level (ppm):	None	1	10	100	None	1	10	100
28	300	282	266	260	292	290	294	225
29	262	250	214	247	266	253	247	181
30	252	227	228	266	281	253	244	264
31	260	234	182	321	281	278	284	255
32	332	277	323	353	368	328	328	371
33	214	268	228	206	239	255	248	224
34	254	213	238	309	308	284	267	260
35	282	290	303	305	286	278	322	295
36	260	216	233	241	237	292	256	251
37	252	256	250	284	271	253	276	250
38	248	218	255	292	261	258	278	242
39	255	260	151	261	258	219	258	249
40	216	276	192	262	281	256	191	218
41	267	252	228	243	287	286	235	279
42	267	256	258	266	258	242	299	252
43	255	254	262	297	270	231	295	259
44	238	284	279	314	255	255	284	245
45	292	240	286	306	271	256	280	280
46	243	203	233	310	263	224	244	228
47	238	215	260	276	252	194	244	223
48	250	248	299	304	260	208	234	192
49	231	177	252	254	228	199	234	176
50	235	177	222	262	191	200	214	199
51	226	215	204	255	245	197	231	202
52	212	194	185	296	225	222	231	227
53	250	183	223	259	235	256	226	231
54	233	212	262	258	232	228	228	239

TOXSTUDIES1381

TABLE IV continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Food Consumption Data

	Mean Food Consumed During Week Indicated (gm/kg of body weight)							
Sex:	Males				Females			
Group:	UC	I	II	III	UC	I	II	III
Week Dietary Level (ppm):	None	1	10	100	None	1	10	100
55	168	167	221	226	209	201	193	201
56	224	174	224	238	232	219	220	198
57	238	230	250	302	228	236	255	228
58	208	169	228	250	217	206	194	168
59	233	185	245	249	220	228	234	170
60	205	191	240	241	222	204	185	186
61	215	194	250	262	211	198	242	227
62	178	141	217	217	188	177	216	206
63	193	207	238	276	208	200	234	223
64	212	182	236	243	225	244	198	222
65	186	176	234	204	212	223	185	215
66	208	187	236	258	212	204	207	275
67	222	182	230	240	220	223	202	222
68	217	185	225	248	213	228	232	221
69	215	182	206	215	208	215	210	194
70	231	210	210	232	218	234	221	198
71	206	218	193	226	198	212	216	179
72	204	172	207	230	220	217	206	185
73	210	197	220	231	226	215	215	194
74	229	192	236	231	216	190	213	183
75	224	186	214	226	208	182	236	61
76	222	206	250	251	211	228	247	238
77	229	220	250	240	233	233	226	225
78	204	272	321	273	250	250	253	241
79	219	209	227	265	243	242	228	235

TOXSTUDIES1382

TABLE IV continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Food Consumption Data

		Mean Food Consumed During Week Indicated (gm/kg of body weight)							
	Sex:	Males				Females			
	Group:	UC	I	II	III	UC	I	II	III
Week	Dietary Level (ppm):	None	1	10	100	None	1	10	100
80		240	226	241	288	222	261	226	244
81		262	262	264	276	235	272	258	229
82		277	217	231	258	235	275	244	243
83		274	221	245	272	233	286	250	259
84		265	225	248	269	233	291	242	236
85		286	242	262	273	257	291	242	238
86		300	233	248	277	243	263	258	214
87		262	215	252	217	262	188	234	197
88		250	213	277	273	226	264	273	254
89		231	223	229	227	248	223	247	212
90		264	228	270	255	243	244	232	226
91		261	194	214	187	204	197	212	207
92		191	176	220	174	171	212	221	207
93		224	191	229	242	161	219	211	188
94		259	173	210	235	195	261	221	195
95		229	199	221	261	200	281	216	195
96		211	198	255	242	183	269	226	196
97		222	184	248	235	214	272	235	168
98		224	195	255	217	209	266	207	202
99		224	242	252	261	218	260	214	238
100		243	219	203	239	219	234	204	218
101		221	190	228	230	209	160	171	172
102		236	196	247	268	213	252	235	196
103		228	208	238	241	217	241	218	199
104		241	189	217	238	191	228	234	208
Mean		246	224	245	264	246	252	254	288

TOXSTUDIES1383

C. Reactions

No abnormal behavioral reactions were noted at any of the levels tested.

D. Mortality

Two animals died during the study, a 100 ppm female (No. 31) after 29 weeks and a 100 ppm male (No. 28) after 33 weeks. Both animals displayed slightly elevated total leukocyte counts prior to death; the female also displayed elevated serum glutamic-pyruvic transaminase activity. Gross and histopathologic examinations revealed severe chronic peritonitis in the female and moderate acute pneumonitis in the male.

E. Hematologic Studies

The results of these determinations are presented in Tables V through IX. Dashes in the tables indicate animals that died during the study. No significant abnormalities were noted at any of the levels tested.

TOXSTUDIES1384

TABLE V

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Total Leukocyte Count, thousands/mm^3

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	14.7	13.6	12.7	12.9	15.5	9.2	10.4
		2-M	18.3	19.7	19.4	19.1	19.0	16.3	14.0
		3-M	9.4	15.6	11.0	10.5	11.6	13.2	9.1
		4-M	18.8	21.2	15.5	13.6	15.2	12.4	11.9
		5-F	15.4	13.7	27.6	22.0	11.5	9.5	10.6
		6-F	11.6	16.5	14.1	18.7	16.6	14.6	12.4
		7-F	21.7	18.1	10.3	17.7	15.5	11.4	10.6
		8-F	12.0	14.7	10.8	19.7	16.0	10.8	12.6
I	1	9-M	13.5	13.7	10.3	10.8	19.6	11.4	12.3
		10-M	14.5	12.9	14.1	8.8	17.3	10.5	9.4
		11-M	7.8	11.8	11.0	9.9	10.9	10.1	10.3
		12-M	12.6	12.3	13.2	18.1	14.9	13.4	12.9
		13-F	19.7	18.5	17.0	13.8	19.7	11.3	12.9
		14-F	28.0	21.1	25.0	16.3	23.1	20.0	30.6
		15-F	12.4	18.2	13.6	9.9	15.7	10.5	13.0
		16-F	14.8	18.6	14.6	11.5	19.0	12.5	12.8
II	10	17-M	18.1	14.2	14.1	14.4	17.6	12.4	14.7
		18-M	8.9	13.1	11.1	11.7	15.5	12.4	12.4
		19-M	7.6	14.4	12.4	10.0	15.2	17.8	12.2
		20-M	18.9	15.3	16.2	17.8	24.3	24.0	20.1
		21-F	18.0	16.8	12.9	10.9	18.1	14.6	15.7
		22-F	18.2	15.8	14.2	14.4	18.1	13.3	10.8
		23-F	12.9	14.3	12.5	12.4	17.1	14.9	14.7
		24-F	19.6	24.0	15.8	15.6	17.4	16.8	16.9
III	100	25-M	23.6	18.9	13.7	11.2	14.6	14.3	13.8
		26-M	8.9	12.9	10.6	7.1	9.6	10.5	8.7
		27-M	24.1	24.3	16.4	14.6	15.2	13.3	12.5
		28-M	18.5	24.4	24.9	25.5	-	-	-
		29-F	18.2	9.5	13.0	10.3	11.2	12.3	11.6
		30-F	11.7	14.9	14.0	14.8	16.7	14.0	15.2
		31-F	26.9	17.5	18.6	21.6	-	-	-
		32-F	18.6	21.0	17.5	13.9	15.6	14.5	13.0

TOXSTUDIES1385

TABLE VI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Erythrocyte Count, millions/mm^3

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	6.09	6.73	6.80	6.35	7.92	7.21	6.78
		2-M	5.69	5.76	6.40	6.45	8.37	6.69	7.10
		3-M	5.96	6.14	5.76	6.95	8.13	6.68	7.22
		4-M	5.83	5.48	5.32	6.11	7.44	7.13	7.16
		5-F	5.23	6.05	5.50	7.23	8.36	6.84	6.58
		6-F	5.41	5.89	6.04	6.63	7.42	6.27	6.71
		7-F	5.48	5.95	6.08	6.93	7.61	7.08	6.75
		8-F	5.43	5.86	6.35	6.67	7.33	7.12	6.72
I	1	9-M	6.03	6.43	5.23	5.93	6.86	7.14	6.91
		10-M	5.17	6.05	5.17	5.48	6.17	6.92	6.57
		11-M	6.61	6.68	6.28	6.80	6.83	7.00	6.98
		12-M	6.50	6.34	5.69	5.46	7.09	6.90	7.23
		13-F	5.70	6.08	5.86	5.93	7.50	6.86	6.60
		14-F	4.98	5.29	5.26	5.48	6.12	5.82	5.10
		15-F	5.95	5.80	6.11	6.80	7.34	7.10	7.41
		16-F	4.85	5.61	5.24	5.46	7.37	6.62	6.53
II	10	17-M	5.46	5.26	5.20	6.05	5.91	5.97	6.05
		18-M	5.71	5.42	6.11	6.90	6.27	6.29	6.03
		19-M	5.20	5.33	5.69	6.05	6.12	5.92	5.39
		20-M	5.98	5.76	5.93	5.64	6.31	6.19	6.18
		21-F	6.20	6.93	6.23	6.05	7.41	6.81	6.46
		22-F	5.63	6.29	6.44	6.90	7.28	6.90	6.86
		23-F	5.38	6.20	5.93	6.05	7.24	6.55	6.50
		24-F	5.45	5.86	5.89	5.64	7.05	6.51	6.21
III	100	25-M	4.70	5.05	5.70	6.65	5.71	5.83	5.89
		26-M	5.95	6.08	6.71	5.61	5.91	6.38	6.35
		27-M	5.32	5.56	5.75	5.24	6.18	6.53	6.80
		28-M	6.10	5.90	5.23	6.61	-	-	-
		29-F	6.00	7.01	7.10	6.65	7.55	6.58	6.65
		30-F	5.09	5.96	5.31	5.61	6.23	5.62	6.28
		31-F	4.63	5.69	5.88	5.24	-	-	-
		32-F	5.58	6.29	6.15	6.61	7.52	6.62	6.97

TOXSTUDIES1386

TABLE VII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Hemoglobin, gm/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	15.8	16.7	17.5	16.2	17.6	17.6	16.4
		2-M	13.2	13.0	14.6	13.8	15.8	15.2	15.7
		3-M	14.4	12.9	14.3	16.2	16.6	15.3	16.1
		4-M	14.3	12.9	13.0	14.9	16.4	17.2	16.9
		5-F	14.8	15.8	13.6	17.7	17.3	16.8	16.3
		6-F	14.4	14.2	14.7	15.9	15.1	15.5	15.7
		7-F	13.8	13.5	14.8	15.9	15.3	16.5	15.7
		8-F	13.8	14.1	14.6	15.9	14.9	16.6	15.8
I	1	9-M	14.4	15.1	12.8	15.0	14.7	16.8	16.0
		10-M	13.1	14.5	12.0	14.7	13.1	16.4	15.4
		11-M	16.6	15.8	15.6	16.6	15.2	17.1	16.9
		12-M	16.1	15.1	14.3	16.3	15.0	16.6	16.6
		13-F	14.2	14.7	14.4	14.8	15.4	16.5	15.5
		14-F	13.0	12.9	12.2	13.7	12.9	14.1	12.0
		15-F	15.0	13.0	15.0	17.4	15.5	17.2	17.0
		16-F	12.4	12.5	13.4	14.0	15.0	14.8	14.8
II	10	17-M	14.0	12.9	13.6	14.7	12.5	14.8	14.7
		18-M	13.2	13.0	14.2	14.3	12.8	14.6	14.1
		19-M	13.3	12.8	14.0	15.5	13.4	14.8	13.4
		20-M	13.5	14.3	14.3	14.8	13.8	15.2	14.9
		21-F	16.0	16.9	16.0	15.5	16.3	17.0	15.2
		22-F	15.0	15.3	15.4	16.6	15.3	16.0	15.6
		23-F	14.6	14.4	14.6	14.6	15.6	15.7	15.6
		24-F	14.3	14.6	14.4	13.8	15.2	16.0	14.8
III	100	25-M	10.6	11.5	13.3	13.0	12.6	14.2	14.2
		26-M	15.0	15.6	17.2	15.9	14.0	16.7	16.3
		27-M	12.8	13.7	14.6	16.1	14.9	16.6	17.4
		28-M	13.4	13.9	12.3	13.0	-	-	-
		29-F	16.4	17.2	18.1	18.0	16.9	16.9	16.7
		30-F	14.4	14.6	14.0	14.9	14.8	14.6	15.4
		31-F	13.0	14.5	14.7	13.1	-	-	-
		32-F	14.4	14.9	15.2	16.2	17.1	16.8	16.3

TOXSTUDIES1387

TABLE VIII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Hematocrit, percent

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	47	48	50	47	56	50	47
		2-M	39	39	44	42	56	44	46
		3-M	41	39	42	46	54	43	46
		4-M	43	38	38	44	51	48	48
		5-F	43	45	40	52	56	48	47
		6-F	43	43	42	49	52	43	46
		7-F	41	40	42	47	52	47	46
		8-F	41	40	41	47	50	48	46
I	1	9-M	43	45	36	44	46	48	46
		10-M	39	42	35	43	42	46	44
		11-M	48	45	45	48	48	47	48
		12-M	47	44	41	48	49	47	48
		13-F	42	40	40	43	52	46	46
		14-F	39	39	35	40	44	40	35
		15-F	43	39	42	49	50	48	50
		16-F	37	38	38	38	49	43	44
II	10	17-M	41	38	39	43	42	42	52
		18-M	40	38	42	41	42	42	40
		19-M	40	37	43	45	44	43	38
		20-M	41	41	45	43	44	42	42
		21-F	47	49	44	45	52	46	45
		22-F	44	42	43	48	49	46	46
		23-F	42	40	41	42	50	44	45
		24-F	43	42	41	40	49	44	43
III	100	25-M	33	35	41	38	40	40	40
		26-M	43	45	49	46	43	46	44
		27-M	39	41	43	47	46	47	48
		28-M	41	41	38	38	-	-	-
		29-F	48	49	49	51	54	48	48
		30-F	41	40	39	42	45	40	45
		31-F	38	41	41	39	-	-	-
		32-F	42	42	43	45	53	46	48

TOXSTUDIES1388

TABLE IX

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Differential Leukocyte Count, percent - Neutrophils

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	68	55	55	57	64	56	67
		2-M	62	65	65	58	59	67	58
		3-M	53	59	51	49	48	72	56
		4-M	74	65	65	62	59	68	64
		5-F	64	43	81	72	44	49	53
		6-F	44	55	57	68	75	58	52
		7-F	85	51	56	73	58	58	61
		8-F	56	46	54	70	65	68	63
I	1	9-M	62	61	51	48	72	63	64
		10-M	76	64	59	56	67	59	64
		11-M	49	51	56	49	55	41	50
		12-M	68	65	73	66	81	63	72
		13-F	61	58	73	60	54	61	49
		14-F	69	64	77	63	66	63	75
		15-F	52	55	57	46	50	49	44
		16-F	46	61	52	62	52	61	51
II	10	17-M	71	62	59	65	63	53	64
		18-M	66	56	60	59	62	61	60
		19-M	59	51	63	55	68	68	61
		20-M	77	61	68	77	74	69	74
		21-F	57	57	71	68	55	59	73
		22-F	62	69	67	67	76	71	69
		23-F	72	72	61	64	56	72	61
		24-F	65	57	80	79	59	73	74
III	100	25-M	73	64	56	62	55	50	49
		26-M	62	61	61	72	70	69	60
		27-M	79	71	67	75	67	70	60
		28-M	78	68	67	71	-	-	-
		29-F	47	63	56	59	54	66	57
		30-F	70	68	66	69	65	64	54
		31-F	67	57	67	72	-	-	-
		32-F	53	76	65	53	54	44	64

TOXSTUDIES1389

TABLE IX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Differential Leukocyte Count, percent - Lymphocytes

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	28	38	43	36	28	35	27
		2-M	33	27	28	29	32	31	36
		3-M	43	37	40	42	46	24	34
		4-M	22	26	31	29	31	29	28
		5-F	25	52	19	23	52	43	39
		6-F	49	36	37	26	24	40	37
		7-F	13	40	41	22	40	35	35
		8-F	34	43	39	23	25	28	31
I	1	9-M	34	39	49	45	26	36	30
		10-M	20	26	32	38	26	37	28
		11-M	48	40	43	46	34	51	40
		12-M	23	31	21	33	13	24	15
		13-F	35	37	25	35	44	38	44
		14-F	25	36	16	29	34	34	23
		15-F	35	38	39	44	42	49	49
		16-F	44	34	42	34	42	37	40
II	10	17-M	24	36	40	33	31	40	31
		18-M	28	39	34	35	30	28	31
		19-M	29	47	35	35	21	29	30
		20-M	20	37	29	20	24	26	22
		21-F	37	38	24	27	39	31	23
		22-F	29	30	32	25	20	22	25
		23-F	23	20	32	29	39	24	33
		24-F	24	33	16	14	38	22	21
III	100	25-M	18	32	40	31	40	46	41
		26-M	33	31	35	23	23	26	35
		27-M	12	25	25	24	26	26	33
		28-M	21	25	29	27	-	-	-
		29-F	45	30	41	36	42	31	42
		30-F	23	30	34	28	33	31	32
		31-F	27	39	27	24	-	-	-
		32-F	42	21	30	36	40	44	28

TOXSTUDIES1390

TABLE IX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Differential Leukocyte Count, percent - Monocytes

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	1	2	1	2	2	2	0
		2-M	2	4	2	1	6	0	1
		3-M	0	1	0	3	3	1	2
		4-M	2	2	0	2	2	0	2
		5-F	3	0	0	0	2	1	2
		6-F	2	2	1	2	0	0	1
		7-F	0	2	1	1	0	2	0
		8-F	4	7	0	2	1	0	2
I	1	9-M	0	0	0	1	1	0	1
		10-M	3	4	2	0	1	3	0
		11-M	0	5	1	1	0	1	4
		12-M	3	0	0	0	1	1	1
		13-F	0	1	2	1	0	0	1
		14-F	1	0	4	1	0	1	1
		15-F	6	2	0	3	0	1	1
		16-F	1	0	1	0	0	2	2
II	10	17-M	2	0	0	1	0	0	2
		18-M	1	2	0	2	5	3	1
		19-M	2	1	0	0	3	1	2
		20-M	3	0	1	2	0	3	2
		21-F	2	0	0	0	0	1	1
		22-F	0	1	0	2	0	1	0
		23-F	2	0	1	1	2	2	1
		24-F	1	2	0	4	0	2	2
III	100	25-M	4	3	0	1	1	0	2
		26-M	3	4	1	2	6	4	0
		27-M	4	2	1	0	2	1	4
		28-M	1	2	1	1	-	-	-
		29-F	3	2	0	2	0	2	0
		30-F	0	0	0	1	2	0	1
		31-F	1	3	4	3	-	-	-
		32-F	0	1	0	2	0	2	0

0366077

TOXSTUDIES1391

TABLE IX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Differential Leukocyte Count, percent - Eosinophils

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	3	5	1	5	5	7	6
		2-M	3	4	5	2	2	2	5
		3-M	4	3	9	6	2	3	6
		4-M	2	6	3	7	8	3	4
		5-F	8	5	0	5	2	7	6
		6-F	5	7	4	4	1	2	10
		7-F	2	7	2	4	2	5	4
		8-F	6	4	7	5	9	4	4
I	1	9-M	4	0	0	6	1	1	5
		10-M	1	6	7	6	6	1	8
		11-M	3	4	0	4	8	6	6
		12-M	6	4	6	1	4	11	11
		13-F	4	4	0	2	2	1	1
		14-F	5	0	3	6	0	1	1
		15-F	7	5	4	7	8	1	5
		16-F	9	5	5	4	6	0	7
II	10	17-M	3	2	1	1	6	6	2
		18-M	5	3	5	4	2	4	6
		19-M	10	1	2	9	7	1	5
		20-M	0	2	2	1	2	2	2
		21-F	4	5	5	4	6	8	2
		22-F	9	0	1	4	2	5	5
		23-F	3	8	6	6	3	2	4
		24-F	10	8	4	3	3	3	3
III	100	25-M	5	1	3	5	4	3	5
		26-M	2	4	3	3	1	1	5
		27-M	5	2	7	1	5	3	3
		28-M	0	5	3	1	-	-	-
		29-F	5	5	3	2	4	1	0
		30-F	7	2	0	2	0	5	12
		31-F	5	0	2	1	-	-	-
		32-F	5	2	5	9	6	10	7

0366078

TOXSTUDIES1392

TABLE IX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Hematologic Studies: Differential Leukocyte Count, percent - Basophils

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	0	0	0	0	1	0	0
		2-M	0	0	0	0	1	0	0
		3-M	0	0	0	0	1	0	2
		4-M	0	1	1	0	0	0	2
		5-F	0	0	0	0	0	0	0
		6-F	0	0	1	0	0	0	0
		7-F	0	0	0	0	0	0	0
		8-F	0	0	0	0	0	0	0
I	1	9-M	0	0	0	0	0	0	0
		10-M	0	0	0	0	0	0	0
		11-M	0	0	0	0	3	1	0
		12-M	0	0	0	0	1	1	1
		13-F	0	0	0	2	0	0	5
		14-F	0	0	0	1	0	1	0
		15-F	0	0	0	0	0	0	1
		16-F	0	0	0	0	0	0	0
II	10	17-M	0	0	0	0	0	1	1
		18-M	0	0	1	1	1	4	2
		19-M	0	0	0	0	1	1	2
		20-M	0	0	0	0	0	0	0
		21-F	0	0	0	1	0	1	1
		22-F	0	0	0	2	2	1	1
		23-F	0	0	0	0	0	0	1
		24-F	0	0	0	0	0	0	0
III	100	25-M	0	0	1	1	0	1	3
		26-M	0	0	0	0	0	0	0
		27-M	0	0	0	0	0	0	0
		28-M	0	0	0	0	-	-	-
		29-F	0	0	0	1	0	0	1
		30-F	0	0	0	0	0	0	1
		31-F	0	1	0	0	-	-	-
		32-F	0	0	0	0	0	0	1

TOXSTUDIES1393

F. Blood Chemistry Studies

The results of these determinations are presented in Tables X through XIV. Dashes in the tables indicate animals that died during the study. A moderate increase in serum alkaline phosphatase activity was noted at the 12, 18 and 24-month determinations among animals receiving 100 ppm Aroclor 1260. No other significant abnormalities were noted at any of the levels tested.

TOXSTUDIES1394

TABLE X

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Blood Chemistry Studies: Blood Urea Nitrogen, mg/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	11	15	16	8	14	11	10
		2-M	9	14	12	10	16	10	9
		3-M	8	10	12	14	11	9	8
		4-M	10	10	12	9	14	9	11
		5-F	11	14	10	24	13	9	10
		6-F	11	13	15	25	14	16	13
		7-F	11	21	16	20	17	17	14
		8-F	13	16	15	18	15	13	13
I	1	9-M	12	13	11	13	17	15	14
		10-M	8	15	10	11	9	9	9
		11-M	11	15	14	13	10	11	10
		12-M	9	10	16	14	10	9	10
		13-F	15	12	12	18	12	9	10
		14-F	12	11	13	15	9	8	10
		15-F	17	11	17	13	9	8	8
		16-F	11	14	13	17	12	11	9
II	10	17-M	11	17	14	11	7	8	6
		18-M	12	19	14	11	12	7	10
		19-M	9	11	14	12	11	9	17
		20-M	10	17	14	11	10	11	10
		21-F	14	14	13	12	14	11	10
		22-F	16	12	12	15	18	13	10
		23-F	15	15	14	22	15	9	9
		24-F	14	9	12	13	12	10	10
III	100	25-M	8	10	14	14	13	12	11
		26-M	11	11	13	16	12	6	14
		27-M	10	14	12	14	10	9	10
		28-M	12	9	13	11	-	-	-
		29-F	13	14	14	12	12	11	10
		30-F	18	14	19	17	12	10	8
		31-F	15	12	11	15	-	-	-
		32-F	14	10	14	13	15	13	13

Note: Colorimetric method by Roeckelt and Gochman.

0366081

TOXSTUDIES1395

TABLE XI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Blood Chemistry Studies: Serum Glucose, mg/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	83	108	106	78	107	104	103
		2-M	85	101	118	103	120	106	112
		3-M	111	115	106	106	111	111	103
		4-M	84	104	100	109	90	104	98
		5-F	98	111	68	93	101	106	114
		6-F	87	104	100	85	101	98	98
		7-F	74	101	94	101	94	102	100
		8-F	97	117	106	112	97	108	109
I	1	9-M	97	101	94	97	94	106	100
		10-M	88	91	109	100	97	102	96
		11-M	102	131	100	112	111	108	107
		12-M	104	118	108	109	104	110	107
		13-F	94	107	103	112	87	104	109
		14-F	68	105	88	101	90	94	89
		15-F	80	122	94	112	104	102	105
		16-F	93	134	100	109	107	115	109
II	10	17-M	89	104	100	100	94	102	98
		18-M	102	107	103	103	114	108	105
		19-M	102	128	97	103	104	102	89
		20-M	109	127	109	109	107	104	107
		21-F	101	116	88	105	94	96	105
		22-F	98	125	105	116	97	98	98
		23-F	92	111	91	109	87	94	93
		24-F	81	106	91	120	94	100	103
III	100	25-M	103	92	102	97	104	104	103
		26-M	100	110	111	103	104	110	112
		27-M	100	120	115	115	114	121	120
		28-M	116	109	91	97	-	-	-
		29-F	127	124	85	112	94	98	112
		30-F	100	102	85	116	90	94	98
		31-F	81	112	103	109	-	-	-
		32-F	97	110	97	116	94	100	98

Note: Colorimetric method by Roeckelt and Gochman.

0366082

TOXSTUDIES1396

TABLE XII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Blood Chemistry Studies: Serum Alkaline Phosphatase, King-Armstrong Units/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	12.3	14.5	6.6	5.2	6.2	4.9	7.4
		2-M	17.9	16.1	9.2	10.3	7.7	5.6	7.4
		3-M	10.1	10.7	5.8	3.5	4.4	3.8	4.9
		4-M	9.9	11.6	5.4	4.2	4.4	2.5	3.1
		5-F	7.0	10.7	8.0	3.0	2.3	2.0	2.9
		6-F	10.5	11.0	5.4	4.9	5.2	5.6	6.2
		7-F	13.7	10.2	4.6	3.3	4.4	4.4	4.4
		8-F	9.9	12.4	6.2	3.3	4.4	4.4	5.5
I	1	9-M	9.0	8.5	7.8	4.4	6.0	4.9	6.0
		10-M	9.3	7.0	5.0	6.1	3.0	2.6	3.8
		11-M	11.8	12.1	7.4	3.8	3.4	3.3	3.6
		12-M	9.0	9.0	5.8	4.4	4.2	3.9	6.5
		13-F	8.6	9.7	4.6	3.3	3.6	3.6	5.3
		14-F	8.7	11.0	5.6	5.2	5.2	6.0	9.4
		15-F	18.2	14.7	3.2	5.9	5.2	4.4	7.6
		16-F	8.6	9.5	3.9	3.3	2.9	4.4	4.0
II	10	17-M	7.4	9.5	4.1	4.1	4.4	3.9	4.2
		18-M	8.6	10.3	3.6	3.2	4.6	3.4	5.8
		19-M	7.4	9.0	3.9	5.7	3.6	2.6	2.5
		20-M	8.2	9.0	9.0	3.2	4.0	4.8	6.5
		21-F	7.4	10.1	9.5	4.2	4.0	5.1	6.2
		22-F	8.0	9.0	16.8	4.6	3.8	4.4	4.9
		23-F	7.0	9.0	23.0	5.2	3.2	4.1	4.4
		24-F	8.2	10.0	10.8	4.9	3.6	4.3	5.3
III	100	25-M	9,8	19.0	10.3	7.1	18.0	18.6	19.8
		26-M	13.0	28.8	7.6	7.1	37.6	57.0	60.2
		27-M	12.1	22.8	7.8	9.0	30.4	35.2	35.3
		28-M	9.8	15.0	12.7	2.6	-	-	-
		29-F	9.8	16.9	7.8	7.0	11.4	15.6	23.3
		30-F	7.8	13.0	6.6	3.3	9.5	17.4	20.1
		31-F	10.3	17.7	7.4	5.6	-	-	-
		32-F	12.1	16.6	10.3	4.6	13.2	13.6	22.6

Note: Colorimetric method by Babson.

0366083

TOXSTUDIES1397

TABLE XIII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Blood Chemistry Studies: Serum Glutamic-Oxalacetic Transaminase, Dade Units/ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	42	31	33	23	27	27	23
		2-M	40	39	36	28	24	22	18
		3-M	31	28	27	25	23	29	18
		4-M	30	24	25	25	21	26	21
		5-F	36	29	28	21	20	25	20
		6-F	42	31	41	36	24	26	21
		7-F	33	30	39	38	26	38	23
		8-F	34	29	38	25	26	37	22
I	1	9-M	31	15	25	24	21	24	12
		10-M	36	20	39	30	30	28	27
		11-M	41	47	46	44	32	45	29
		12-M	31	19	41	25	23	22	17
		13-F	39	25	28	32	20	22	13
		14-F	34	36	32	32	27	26	21
		15-F	34	38	32	29	20	26	15
		16-F	30	37	27	22	25	33	18
II	10	17-M	33	33	28	29	24	35	20
		18-M	34	29	36	28	21	28	14
		19-M	37	29	31	31	38	31	32
		20-M	39	27	40	32	28	30	19
		21-F	34	34	30	28	26	25	23
		22-F	31	30	35	23	21	17	15
		23-F	31	30	35	35	24	40	20
		24-F	32	33	33	36	30	22	14
III	100	25-M	34	25	31	31	29	19	16
		26-M	41	32	28	36	27	28	22
		27-M	35	27	32	30	22	22	20
		28-M	41	28	30	33	-	-	-
		29-F	42	26	29	22	22	24	13
		30-F	29	23	31	23	22	24	12
		31-F	37	27	23	32	-	-	-
		32-F	42	41	39	31	25	26	16

Note: Fluorometric method by Levine and Hill.

0366084

TOXSTUDIES1398

TABLE XIV

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Blood Chemistry Studies: Serum Glutamic-Pyruvic Transaminase, Dade Units/ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	55	43	62	43	74	76	60
		2-M	47	51	50	39	51	41	42
		3-M	36	39	39	40	52	34	39
		4-M	22	22	24	28	34	18	29
		5-F	31	31	20	31	31	21	30
		6-F	38	36	39	63	41	28	36
		7-F	35	36	40	57	41	35	39
		8-F	24	28	31	43	36	23	29
I	1	9-M	30	29	34	33	28	32	28
		10-M	27	31	34	46	31	31	33
		11-M	28	80	43	77	55	54	45
		12-M	40	40	75	69	53	44	42
		13-F	39	32	29	34	29	48	28
		14-F	23	31	25	41	27	39	30
		15-F	35	55	29	42	28	44	32
		16-F	33	53	35	48	37	45	32
II	10	17-M	36	34	35	69	50	44	35
		18-M	25	31	31	51	40	32	21
		19-M	81	37	35	55	50	35	46
		20-M	41	32	36	54	37	42	30
		21-F	35	39	33	44	42	34	38
		22-F	29	37	31	49	40	40	31
		23-F	30	32	29	45	41	43	34
		24-F	36	26	29	47	43	45	36
III	100	25-M	24	26	32	28	39	37	30
		26-M	44	43	51	37	39	52	51
		27-M	36	38	43	51	41	58	56
		28-M	52	37	36	44	-	-	-
		29-F	103	46	34	46	41	32	60
		30-F	29	31	34	47	44	22	39
		31-F	21	28	20	124	-	-	-
		32-F	42	39	25	43	34	17	44

Note: Fluorometric method by Levine and Hill.

0366085

TOXSTUDIES1399

G. Urine Analyses

The results of these determinations are presented in Tables XV through XIX. Dashes in the tables indicate animals that died during the study. No significant abnormalities were noted at any of the levels tested.

TOXSTUDIES1400

TABLE XV

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Albumin, mg/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	0	0	1-10	0	0	0	0
		2-M	0	0	1-10	1-10	0	0	0
		3-M	0	0	1-10	0	0	0	0
		4-M	0	0	1-10	0	0	0	0
		5-F	0	0	0	0	0	0	0
		6-F	0	0	1-10	0	0	0	0
		7-F	0	0	0	0	0	0	0
		8-F	0	0	0	0	0	10	0
I	1	9-M	0	0	0	0	0	10	0
		10-M	0	0	0	0	0	0	0
		11-M	0	0	0	0	1-10	0	0
		12-M	0	0	0	0	0	0	0
		13-F	0	0	0	0	0	10	0
		14-F	0	0	1-10	0	0	10	0
		15-F	0	0	1-10	0	0	0	0
		16-F	0	0	0	0	0	0	0
II	10	17-M	0	0	0	0	0	10	0
		18-M	0	0	1-10	0	11-50	0	0
		19-M	0	0	0	0	0	10	0
		20-M	0	0	0	0	1-10	0	0
		21-F	0	0	0	0	0	0	0
		22-F	0	0	1-10	0	0	10	0
		23-F	0	0	0	0	0	10	0
		24-F	0	0	1-10	0	0	10	0
III	100	25-M	0	0	1-10	0	0	0	0
		26-M	0	0	1-10	0	0	10	0
		27-M	0	0	0	0	0	0	0
		28-M	0	0	1-10	0	-	-	-
		29-F	0	0	0	0	0	0	0
		30-F	0	0	0	0	0	0	0
		31-F	0	0	0	1-10	-	-	-
		32-F	0	0	0	0	0	0	0

Note: BUMINTEST, Ames Company, Inc., Elkhart, Indiana.

0366087

TOXSTUDIES1401

TABLE XVI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Glucose, mg/100 ml

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	0	0	0	0	0	0	0
		2-M	0	0	0	0	0	0	0
		3-M	0	0	0	0	0	0	0
		4-M	0	0	0	0	0	0	0
		5-F	0	0	0	0	0	0	0
		6-F	0	0	0	0	0	0	0
		7-F	0	0	0	0	0	0	0
		8-F	0	0	0	0	0	0	0
I	1	9-M	0	0	0	0	0	0	0
		10-M	0	0	0	0	0	0	0
		11-M	0	0	0	0	0	0	0
		12-M	0	0	0	0	0	0	0
		13-F	0	0	0	0	0	0	0
		14-F	0	0	0	0	0	0	0
		15-F	0	0	0	0	0	0	0
		16-F	0	0	0	0	0	0	0
II	10	17-M	0	0	0	0	0	0	0
		18-M	0	0	0	0	0	0	0
		19-M	0	0	0	0	0	0	0
		20-M	0	0	0	0	0	0	0
		21-F	0	0	0	0	0	0	0
		22-F	0	0	0	0	0	0	0
		23-F	0	0	0	0	0	0	0
		24-F	0	0	0	0	0	0	0
III	100	25-M	0	0	0	0	0	0	0
		26-M	0	0	0	0	0	0	0
		27-M	0	0	0	0	0	0	0
		28-M	0	0	0	0	-	-	-
		29-F	0	0	0	0	0	0	0
		30-F	0	0	0	0	0	0	0
		31-F	0	0	0	0	-	-	-
		32-F	0	0	0	0	0	0	0

Note: COMBISTIX, Ames Company, Inc., Elkhart, Indiana.

0366088

TOXSTUDIES1402

TABLE XVII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: pH

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	9	8	7	8	8	8	8
		2-M	5	8	8	9	9	9	9
		3-M	9	7	8	8	8	8	9
		4-M	8	8	7	9	7	8	8
		5-F	5	9	7	7	8	9	8
		6-F	5	6	9	5	8	6	6
		7-F	8	8	5	5	8	9	6
		8-F	8	8	7	5	7	9	6
I	1	9-M	5	5	5	9	8	8	8
		10-M	5	9	5	9	6	8	8
		11-M	8	9	7	7	9	9	9
		12-M	5	5	5	7	8	9	8
		13-F	5	7	9	7	8	9	8
		14-F	8	8	6	5	7	9	8
		15-F	6	6	7	5	6	8	6
		16-F	7	5	5	5	6	8	8
II	10	17-M	5	9	7	7	7	9	8
		18-M	7	8	9	5	8	8	8
		19-M	5	8	7	7	7	9	7
		20-M	7	9	9	7	7	8	8
		21-F	6	6	7	6	8	8	5
		22-F	5	6	8	5	6	9	6
		23-F	8	6	6	7	7	7	6
		24-F	5	6	9	5	7	7	6
III	100	25-M	5	8	8	7	6	9	7
		26-M	8	8	8	7	7	8	8
		27-M	5	7	6	5	8	8	8
		28-M	5	8	7	6	-	-	-
		29-F	6	8	7	6	8	7	6
		30-F	5	6	5	6	6	8	6
		31-F	9	6	5	7	-	-	-
		32-F	5	8	8	7	8	9	8

Note: COMBISTIX, Ames Company, Inc., Elkhart, Indiana.

0366089

TOXSTUDIES1403

TABLE XVIII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Specific Gravity

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	1.054	1.032	1.032	1.032	1.022	1.022	1.015
		2-M	1.032	1.019	1.024	1.043	1.041	1.045	1.029
		3-M	1.032	1.024	1.024	1.057	1.017	1.034	1.022
		4-M	1.034	1.019	1.032	1.038	1.030	1.036	1.032
		5-F	1.026	1.010	1.015	1.022	1.015	1.026	1.012
		6-F	1.026	1.012	1.026	1.032	1.022	1.026	1.019
		7-F	1.024	1.019	1.038	1.041	1.027	1.038	1.019
		8-F	1.032	1.029	1.026	1.032	1.032	1.043	1.022
I	1	9-M	1.019	1.010	1.015	1.042	1.015	1.024	1.036
		10-M	1.029	1.019	1.012	1.050	1.020	1.015	1.015
		11-M	1.045	1.022	1.022	1.041	1.034	1.043	1.032
		12-M	1.022	1.007	1.007	1.045	1.024	1.038	1.017
		13-F	1.043	1.026	1.041	1.029	1.024	1.043	1.015
		14-F	1.038	1.022	1.050	1.045	1.017	1.041	1.019
		15-F	1.024	1.024	1.050	1.032	1.018	1.048	10.17
		16-F	1.022	1.029	1.048	1.025	1.014	1.034	1.015
II	10	17-M	1.029	1.022	1.032	1.048	1.015	1.034	1.024
		18-M	1.048	1.026	1.034	1.048	1.034	1.041	1.029
		19-M	1.029	1.029	1.024	1.045	1.010	1.043	1.034
		20-M	1.024	1.029	1.036	1.050	1.028	1.045	1.024
		21-F	1.029	1.017	1.036	1.024	1.039	1.020	1.034
		22-F	1.034	1.024	1.054	1.036	1.022	1.019	1.015
		23-F	1.032	1.019	1.041	1.041	1.030	1.043	1.015
		24-F	1.029	1.034	1.043	1.037	1.017	1.050	1.024
III	100	25-M	1.019	1.026	1.032	1.057	1.018	1.045	1.043
		26-M	1.024	1.022	1.034	1.041	1.024	1.045	1.017
		27-M	1.024	1.017	1.024	1.043	1.024	1.048	1.022
		28-M	1.019	1.024	1.041	1.061	-	-	-
		29-F	1.045	1.024	1.022	1.038	1.033	1.040	1.038
		30-F	1.015	1.022	1.050	1.039	1.034	1.045	1.029
		31-F	1.022	1.036	1.026	1.051	-	-	-
		32-F	1.022	1.022	1.041	1.032	1.038	1.050	1.017

TOXSTUDIES1404

TABLE XIX

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Microscopic Elements,
average per high power field - Leukocytes

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	0	0	0	0	0	0	0
		2-M	0	0	0	0	0	0	0
		3-M	0	0	0	0	0	0	0
		4-M	0	0	0	0	0	0	0
		5-F	0	0	0	0	0	0	0
		6-F	0	0	0	0	0	0	0
		7-F	0	0	0	0	0	0	0
		8-F	0	0	0	0	0	8	0
I	1	9-M	0	0	0	0	0	0	0
		10-M	0	0	0	0	0	0	0
		11-M	0	0	0	0	0	0	0
		12-M	0	0	0	0	0	0	0
		13-F	0	0	0	0	0	0	0
		14-F	0	0	0	0	0	0	0
		15-F	0	0	0	0	0	0	0
		16-F	0	0	0	0	0	0	0
II	10	17-M	0	0	0	0	8	0	0
		18-M	0	0	0	0	0	0	0
		19-M	0	0	0	0	0	0	0
		20-M	0	0	0	0	0	0	0
		21-F	0	0	0	0	0	0	0
		22-F	0	0	0	0	0	0	0
		23-F	0	0	0	0	0	0	0
		24-F	0	0	0	0	0	0	0
III	100	25-M	0	0	0	0	0	0	0
		26-M	0	0	0	0	0	0	0
		27-M	0	0	0	0	0	0	0
		28-M	0	0	0	0	-	-	-
		29-F	0	0	0	0	0	0	0
		30-F	0	0	0	0	0	0	0
		31-F	0	0	0	0	-	-	-
		32-F	0	0	0	0	0	0	0

TOXSTUDIES1405

TABLE XIX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Microscopic Elements,
average per high power field - Erythrocytes

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	0	0	0	0	0	0	0
		2-M	0	0	0	0	0	0	0
		3-M	0	0	0	0	0	0	0
		4-M	0	0	0	0	0	0	0
		5-F	0	0	0	0	0	0	0
		6-F	0	0	0	0	0	0	0
		7-F	0	0	0	0	0	0	0
		8-F	0	0	0	0	0	0	0
I	1	9-M	0	0	0	0	0	0	0
		10-M	0	0	0	0	0	0	0
		11-M	0	0	0	0	0	0	0
		12-M	0	0	0	0	0	0	0
		13-F	0	0	0	0	0	0	0
		14-F	0	0	0	0	0	0	0
		15-F	0	0	0	0	0	0	0
		16-F	0	0	0	0	0	0	0
II	10	17-M	0	0	0	0	15	0	0
		18-M	0	0	0	0	0	0	0
		19-M	0	0	0	0	0	0	0
		20-M	0	0	0	0	0	0	0
		21-F	0	0	0	0	25	0	0
		22-F	0	0	0	0	0	0	0
		23-F	0	0	15	0	15	0	0
		24-F	0	0	0	0	20	0	0
III	100	25-M	0	0	0	0	0	0	0
		26-M	0	0	0	0	0	0	0
		27-M	0	0	0	0	0	0	0
		28-M	0	0	0	0	-	-	-
		29-F	0	0	0	0	0	0	0
		30-F	0	0	0	0	15	0	0
		31-F	0	0	0	0	-	-	-
		32-F	0	0	0	0	25	0	0

TOXSTUDIES1406

TABLE XIX continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Urine Analyses: Microscopic Elements,
average per high power field - Crystals

Group	Dietary Level (ppm)	Dog Number and Sex	Months: 0	1	3	6	12	18	24
UC	None	1-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		2-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		3-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		4-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		5-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		6-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		7-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		8-F	4	1-3	1-3	1-3	1-3	1-3	1-3
I	1	9-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		10-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		11-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		12-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		13-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		14-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		15-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		16-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
II	10	17-M	9-12	1-3	1-3	1-3	1-3	1-3	1-3
		18-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		19-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		20-M	4	1-3	1-3	1-3	1-3	1-3	1-3
		21-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		22-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		23-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		24-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
III	100	25-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		26-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		27-M	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		28-M	1-3	1-3	1-3	1-3	-	-	-
		29-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		30-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3
		31-F	1-3	1-3	1-3	1-3	-	-	-
		32-F	1-3	1-3	1-3	1-3	1-3	1-3	1-3

TOXSTUDIES1407

H. Pathologic Findings

1. Organ Weight Data

Organ weight data are presented in Tables XX through XXVIII.

Animals receiving 100 ppm of Aroclor 1260 exhibited elevated liver to body weight ratios.

While the elevations for animals 28-M and 31-F can be explained in part by the weight losses experienced by the dogs before their deaths, a majority of the animals receiving 100 ppm display true elevations in liver to body weight ratios when compared to the untreated control and other two test groups.

The apparent brain to body weight elevations for animals 28-M and 31-F are attributed to the weight loss experienced by these animals.

TOXSTUDIES1408

TABLE XX

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Liver

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	269.3	35.4
		2-M	397.2	39.7
		3-M[1]	346.3	34.3
		4-M[2]	481.8	32.6
		5-F	316.8	34.4
		6-F[1]	443.6	41.8
		7-F	326.1	34.3
		8-F[2]	355.3	28.6
I	1	9-M	441.5	33.4
		10-M[1]	503.9	36.2
		11-M[2]	369.1	29.5
		12-M	463.3	35.4
		13-F[1]	244.8	30.2
		14-F	516.5	53.2
		15-F	355.5	35.9
		16-F[2]	420.5	47.8
II	10	17-M[1]	388.1	35.3
		18-M[2]	410.2	38.7
		19-M	437.3	37.0
		20-M	410.0	48.8
		21-F	283.3	32.2
		22-F[1]	379.0	39.1
		23-F	348.1	36.6
		24-F[2]	338.0	30.7
III	100	25-M[2]	380.2	41.3
		26-M	475.6	60.2
		27-M	615.3	64.8
		28-M[4]	301.5	61.5
		29-F	383.0	50.4
		30-F	511.3	48.2
		31-F[3]	244.1	56.8
		32-F[1]	360.7	36.8

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

0366095

TOXSTUDIES1409

TABLE XXI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Kidneys

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	55.4	7.29
		2-M	79.2	7.92
		3-M[1]	70.8	7.01
		4-M[2]	71.4	4.82
		5-F	49.9	5.42
		6-F[1]	58.4	5.51
		7-F	45.3	4.77
		8-F[2]	53.0	4.27
I	1	9-M	65.0	4.92
		10-M[1]	72.9	5.24
		11-M[2]	59.8	4.78
		12-M	67.0	5.11
		13-F[1]	38.8	4.79
		14-F	63.4	6.54
		15-F	62.3	6.29
		16-F[2]	60.8	5.62
II	10	17-M[1]	61.8	5.62
		18-M[2]	81.8	7.72
		19-M	84.8	7.19
		20-M	57.0	6.78
		21-F	45.0	5.11
		22-F[1]	52.3	5.39
		23-F	53.7	5.65
		24-F[2]	57.8	5.25
III	100	25-M[2]	62.2	6.76
		26-M	67.4	8.53
		27-M	73.2	7.70
		28-M[4]	43.8	8.94
		29-F	40.0	5.26
		30-F	50.8	4.79
		31-F[3]	41.8	9.72
		32-F[1]	43.1	4.40

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

0366096

TOXSTUDIES1410

TABLE XXII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Heart

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	73.6	9.68
		2-M	107.0	10.7
		3-M[1]	80.9	8.01
		4-M[2]	128.6	8.69
		5-F	70.2	7.63
		6-F[1]	93.8	8.85
		7-F	89.0	9.37
		8-F[2]	113.5	9.15
I	1	9-M	99.5	7.54
		10-M[1]	88.4	6.36
		11-M[2]	113.4	9,10
		12-M	95.5	7.29
		13-F[1]	63.7	7.86
		14-F	72.3	7.45
		15-F	93.3	9.42
		16-F[2]	96.3	10.94
II	10	17-M[1]	91.9	8.35
		18-M[2]	92.6	8.68
		19-M	99.8	8.46
		20-M	63.7	7.58
		21-F	62.0	7.04
		22-F[1]	73.1	7.54
		23-F	71.9	7.57
		24-F[2]	90.1	8.19
III	100	25-M[2]	79.9	8.68
		26-M	71.2	9.01
		27-M	86.8	9.14
		28-M[4]	40.4	8.24
		29-F	53.6	7.05
		30-F	74.2	7.00
		31-F[3]	42.1	9.79
		32-F[1]	70.1	7.15

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

0366097

TOXSTUDIES1411

TABLE XXIII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Brain

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	72.8	9.58
		2-M	76.1	7.61
		3-M[1]	82.0	8.12
		4-M[2]	82.9	5.60
		5-F	72.3	7.86
		6-F[1]	77.4	7.30
		7-F	79.4	8.36
		8-F[2]	80.4	6.48
I	1	9-M	84.0	6.36
		10-M[1]	81.2	5.84
		11-M[2]	84.9	6.79
		12-M	80.3	6.13
		13-F[1]	72.4	8.94
		14-F	62.1	6.40
		15-F	73.0	7.37
		16-F[2]	64.5	7.33
II	10	17-M[1]	80.3	7.30
		18-M[2]	74.1	6.99
		19-M	83.8	7.10
		20-M	69.2	8.24
		21-F	76.5	8.69
		22-F[1]	68.4	7.05
		23-F	74.8	7.87
		24-F[2]	78.0	7.09
III	100	25-M[2]	66.3	7.21
		26-M	69.0	8.73
		27-M	76.1	8.01
		28-M[4]	87.3	17.82
		29-F	67.8	8.92
		30-F	72.3	6.82
		31-F[3]	76.5	17.79
		32-F[1]	71.7	7.32

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

0366098

TOXSTUDIES1412

TABLE XXIV

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Spleen

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	21.3	2.80
		2-M	27.2	2.72
		3-M[1]	16.3	1.61
		4-M[2]	29.1	1.97
		5-F	19.2	2.87
		6-F[1]	22.9	2.16
		7-F	20.2	2.13
		8-F[2]	30.1	2.43
I	1	9-M	17.5	1.32
		10-M[1]	33.4	2.40
		11-M[2]	26.7	2.13
		12-M	27.8	2.12
		13-F[1]	16.5	2.04
		14-F	32.5	3.35
		15-F	23.2	2.34
		16-F[2]	19.2	2.18
II	10	17-M[1]	15.8	1.44
		18-M[2]	25.5	2.40
		19-M	17.3	1.47
		20-M	18.5	2.20
		21-F	21.9	2.49
		22-F[1]	17.7	1.82
		23-F	17.0	1.79
		24-F[2]	22.1	2.01
III	100	25-M[2]	18.9	2.05
		26-M	19.2	2.43
		27-M	26.8	2.82
		28-M[4]	9.5	1.94
		29-F	16.7	2.20
		30-F	20.0	1.89
		31-F[3]	9.8	2.28
		32-F[1]	21.5	2.19

[1] Sacrificed after 30-day recovery period.
[2] Sacrificed after 60-day recovery period.
[3] Died after 29 weeks on test.
[4] Died after 33 weeks on test.

0366099

TOXSTUDIES1413

TABLE XXV

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Gonads

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	16.0	2.10
		2-M	15.2	1.52
		3-M[1]	14.3	1.41
		4-M[2]	20.5	1.38
		5-F	0.769	0.0836
		6-F[1]*	2.498	0.236
		7-F	1.372	0.144
		8-F[2]	0.993	0.0801
I	1	9-M	20.4	1.54
		10-M[1]	17.3	1.24
		11-M[2]	17.8	1.42
		12-M	19.7	1.50
		13-F[1]	0.865	0.107
		14-F	1.115	0.115
		15-F	0.914	0.0923
		16-F[2]	0.972	0.114
II	10	17-M[1]	16.9	1.54
		18-M[2]	14.8	1.40
		19-M	18.7	1.58
		20-M	15.5	1.84
		21-F	1.068	0.121
		22-F[1]	1.083	0.112
		23-F	0.988	0.104
		24-F[2]	0.755	0.0686
III	100	25-M[2]	14.1	1.53
		26-M	13.9	1.76
		27-M	16.2	1.70
		28-M[4]	12.0	2.45
		29-F	N/A	-
		30-F	1.025	0.0967
		31-F[3]	1.038	0.241
		32-F[1]	0.793	0.0809

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

* Animal in estrus
N/A = Data not available

0366100

TOXSTUDIES1414

TABLE XXVI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Adrenal Glands

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	1.170	0.154
		2-M[1]	1.480	0.148
		3-M[1]	1.356	0.134
		4-M[2]	1.132	0.0765
		5-F	1.569	0.170
		6-F[1]	1.834	0.173
		7-F	1.308	0.138
		8-F[2]	1.297	0.105
I	1	9-M	1.304	0.0988
		10-M[1]	1.764	0.127
		11-M[2]	1.294	0.104
		12-M	2.196	0.168
		13-F[1]	1.132	0.140
		14-F	1.772	0.183
		15-F	1.364	0.138
		16-F[2]	1.367	0.155
II	10	17-M[1]	2.059	0.187
		18-M[2]	1.053	0.0993
		19-M	2.014	0.171
		20-M	1.334	0.158
		21-F	1.351	0.154
		22-F[1]	1.252	0.129
		23-F	1.840	0.194
		24-F[2]	1.597	0.145
III	100	25-M[2]	1.032	0.112
		26-M	1.174	0.149
		27-M	1.024	0.108
		28-M[4]	0.983	0.201
		29-F	1.318	0.173
		30-F	1.822	0.172
		31-F[3]	1.497	0.348
		32-F[1]	1.534	0.156

[1] Sacrificed after 30-day recovery period.
[2] Sacrificed after 60-day recovery period.
[3] Died after 29 weeks on test.
[4] Died after 33 weeks on test.

0366101

TOXSTUDIES1415

TABLE XXVII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Thyroid Gland

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	0.435	0.0572
		2-M	1.013	0.101
		3-M[1]	1.066	0.106
		4-M[2]	1.101	0.0744
		5-F	0.615	0.0668
		6-F[1]	1.692	0.160
		7-F	0.631	0.0664
		8-F[2]	0.952	0.0768
I	1	9-M	1.632	0.124
		10-M[1]	2.245	0.162
		11-M[2]	1.441	0.115
		12-M	1.528	0.117
		13-F[1]	0.576	0.0698
		14-F	0.889	0.0916
		15-F	0.803	0.0811
		16-F[2]	1.089	0.124
II	10	17-M[1]	1.230	0.112
		18-M[2]	1.210	0.114
		19-M	0.827	0.0701
		20-M	0.828	0.0986
		21-F	0.978	0.111
		22-F[1]	1.132	0.117
		23-F	1.176	0.124
		24-F[2]	1.182	0.107
III	100	25-M[2]	0.997	0.108
		26-M	1.087	0.138
		27-M	1.208	0.127
		28-M[4]	0.481	0.0982
		29-F	0.845	0.111
		30-F	1.577	0.149
		31-F[3]	0.746	0.173
		32-F[1]	0.829	0.0846

[1]Sacrificed after 30-day recovery period.
[2]Sacrificed after 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

0366102

TOXSTUDIES1416

TABLE XXVIII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Organ Weight Data: Pituitary Gland

Group	Dietary Level (ppm)	Dog Number and Sex	Organ Weight (g)	Organ/Body Weight Ratio (g/1,000g)
UC	None	1-M	0.086	0.0113
		2-M	0.116	0.0116
		3-M[1]	0.080	0.00792
		4-M[2]	0.099	0.00669
		5-F	0.101	0.0110
		6-F[1]	0.184	0.0174
		7-F	0.101	0.0106
		8-F[2]	0.097	0.00782
I	1	9-M	0.116	0.00879
		10-M[1]	0.108	0.00777
		11-M[2]	0.128	0.0102
		12-M	0.094	0.00718
		13-F[1]	N/A	-
		14-F	0.088	0.00907
		15-F	N/A	-
		16-F[2]	0.082	0.00932
II	10	17-M[1]	0.103	0.00936
		18-M[2]	0.070	0.00660
		19-M	0.087	0.00737
		20-M	0.078	0.00928
		21-F	0.067	0.00761
		22-F[1]	N/A	-
		23-F	0.100	0.0105
		24-F[2]	0.134	0.0122
III	100	25-M[2]	0.064	0.00696
		26-M	0.079	0.0100
		27-M	0.086	0.00905
		28-M[4]	0.069	0.0141
		29-F	0.086	0.0113
		30-F	0.096	0.00906
		31-F[3]	0.078	0.0181
		32-F[1]	N/A	-

[1] Sacrificed after 30-day recovery period.
[2] Sacrificed after 60-day recovery period.
[3] Died after 29 weeks on test.
[4] Died after 33 weeks on test.

N/A = Data not available

0366103

TOXSTUDIES1417

2. Gross and Histologic Findings

Gross and histologic findings are presented in Tables XXIX through XXXII. All tissues and organs not mentioned were normal. The grading system used is as follows:

\+ = minimal/trace
++ = mild
+++ = moderate
++++ = severe

TOXSTUDIES1418

I have completed a histopathologic examination of the tissues from one dog (31) from IBT C7299. The findings indicate (Micro) a chronic peritonitis with organizing peritonitis (subacute).

Earl E. Suckow

Earl E. Suckow, M. D.
Pathologist

TOXSTUDIES1419

The mild, focal inflammation observed in a few sections of lung, liver, kidney, gall bladder, prostate and salivary gland is frequently seen in clinically normal untreated dogs. The moderate to severe inflammation in the sections of thyroid is true inflammation found in certain blood lines of dogs and is not drug related.

No change attributable to drug action is observed in any of the sections studied.

D. H. Yost, DVM

Donald H. Yost, D. V. M.
Diplomate, American College of
Veterinary Pathologists

TOXSTUDIES1420

TABLE XXIX

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Gross and Histologic Findings

Untreated Control Group

Dog Number and Sex	Organ	Gross	Grade	Histologic	Grade
1-M	-	-	-	-	-
2-M[1]	-	-	-	-	-
3-M[1]	Prostate gland	-	-	Focal non-specific chronic inflammation	+++
	Lungs	-	-	Focal hemorrhage (agonal)	++
	Lymph node (cervical)	-	-	Congestion	+
4-M[2]	-	-	-	-	-
5-F	-	-	-	-	-
6-F[1]	-	-	-	-	-
7-F	-	-	-	-	-
8-F[2]	-	-	-	-	-

[1]Sacrificed after a 30-day recovery period.
[2]Sacrificed after a 60-day recovery period.

Industrial BIO-TEST Laboratories, Inc.

0366107

TOXSTUDIES1421

TABLE XXX

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Gross and Histologic Findings

Test Group I: 1 ppm

Dog Number and Sex	Organ	Gross	Grade	Histologic	Grade
9-M	Stomach	Pinpoint nodules (pylorus)	++	-	-
10-M[1]	-	-	-	-	-
11-M[2]	Liver	-	-	Portal fibrosis	+
12-M	Prostate gland	-	-	Focal inflammation	+++
	Stomach	Pinpoint nodules (pylorus)	++	-	-
	Thyroid gland	-	-	Focal inflammation	+++
13-F[1]	Kidneys	-	-	Focal inflammation of the pelvis	+
14-F	-	-	-	-	-
15-F	Kidneys	-	-	Focal inflammation of the pelvis	++
16-F[2]	-	-	-	-	-

[1]Sacrificed after a 30-day recovery period.
[2]Sacrificed after a 60-day recovery period.

Submitted BIO-TEST Laboratories, Inc.

0366108

TOXSTUDIES1422

TABLE XXXI

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Gross and Histologic Findings

Test Group II: 10 ppm

Dog Number and Sex	Organ	Gross	Grade	Histologic	Grade
17-M[1]	-	-	-	-	-
18-M[2]	Urinary bladder	-	-	Hemorrhagic cystitis	+
19-M	-	-	-	-	-
20-M	Prostate	-	-	Focal inflammation	++
	Stomach	Pinpoint nodules (pylorus)	++	-	-
21-F	Stomach	Pinpoint nodules (pylorus)	++	-	-
22-F[1]	Thyroid gland	-	-	Focal inflammation	++++
23-F	-	-	-	-	-
24-F[2]	Lungs	-	-	Focal interstitial pneumonia	+

[1]Sacrificed after a 30-day recovery period.
[2]Sacrificed after a 60-day recovery period.

0366109

TOXSTUDIES1423

TABLE XXXII

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Gross and Histologic Findings

Test Group III: 100 ppm

Dog Number and Sex	Organ	Gross	Grade	Histologic	Grade
25-M[2]	Thyroid gland	-	-	Focal inflammation	+
26-M	Gall bladder	-	-	Focal inflammation	++
27-M	Thyroid gland	-	-	Focal inflammation	+++
28-M[4]	Lungs	Consolidation	+++	Focal inflammation	++
	Lymph node (mesenteric)	-	-	Focal granulomatous inflammation	++
29-F	Stomach	Pinpoint nodules (pylorus)	++	-	-
30-F	Kidneys	-	-	Focal inflammation of the pelvis	++
	Stomach	Pinpoint nodules	+++	-	-
31-F[3]	Abdominal cavity	Adhesions throughout entire gastrointestinal tract. All major organs adhered to the intestines. 200-300 mg of clear fluid.	++++	Chronic peritonitis with organizing subacute peritonitis	+
	Heart	-	-	Inflammation and fibrosis of epicardium	++
	Liver	-	-	Fibrosis of portal tract	++

0366110

TOXSTUDIES1424

TABLE XXXII continued

TEST MATERIAL: Aroclor 1260

Two-Year Chronic Oral Toxicity Study - Beagle Dogs

Gross and Histologic Findings

Test Group III: 100 ppm

Dog Number and Sex	Organ	Gross	Grade	Histologic	Grade
31-F[3]	Lungs	-	-	Hyperemia	+
	Uterus	-	-	Focal inflammation with beginning of fibrosis of serosa with focal organization	+
32-F[1]	Kidney	-	-	Focal inflammation of the pelvis	+
	Liver	-	-	Focal inflammation	+
	Stomach	Pinpoint nodules (pylorus)	-	-	-

[1]Sacrificed after a 30-day recovery period.
[2]Sacrificed after a 60-day recovery period.
[3]Died after 29 weeks on test.
[4]Died after 33 weeks on test.

Industrial BIO-TEST Laboratories, Inc.

TOXSTUDIES1425