

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 13:59:33
First Dose M/F: NA / 03/26/04
Lab: BAT

HISTORICAL CONTROL STUDIES From October 2007 Report

SAME ROUTE

- 96020-01 -- TEF evaluation (Binary mixture; PCB 126/PCB 153) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-04 -- TEF evaluation (Dioxin mixture) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96022-02 -- Tef Evaluation (Pcb Mixture; Pcb 126/Pcb 118) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-05 -- TEF evaluation (PECDF (Pentachlorodibenzofuran)) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-03 -- TEF evaluation (TCDD) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-01 -- Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96021-01 -- Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))

ALL ROUTES

- 96020-01 -- TEF evaluation (Binary mixture; PCB 126/PCB 153) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-04 -- TEF evaluation (Dioxin mixture) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96022-02 -- Tef Evaluation (Pcb Mixture; Pcb 126/Pcb 118) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-05 -- TEF evaluation (PECDF (Pentachlorodibenzofuran)) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-03 -- TEF evaluation (TCDD) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-01 -- Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96021-01 -- Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Kidney
Liver
Lung
Ovary
Pancreas
Parathyroid Gland
Pituitary Gland
Thyroid Gland

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF TEF evaluation (PCB 118)

FEMALE RATS

Organ

Adrenal Medulla
Liver

Lung
Mammary Gland

Pituitary Gland: Pars Distalis or Unspecified Site

Thyroid Gland: C-Cell
Uterus
All Organs

Morphology

Pheochromocytoma Benign
Cholangiocarcinoma
Hepatocellular Adenoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Hepatocholangioma
Cystic Keratinizing Epithelioma
Fibroadenoma
Fibroma, Fibroadenoma, Carcinoma, or Adenoma
Adenoma
Carcinoma or Adenoma
Carcinoma or Adenoma
Carcinoma
Benign Tumors
Malignant Tumors

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

Adrenal Cortex
Adenoma

TUMOR RATES

OVERALL (a)	2/52 (4%)	4/49 (8%)	1/49 (2%)
POLY-3 RATE (b)	2/35.67	4/39.54	1/39.96
POLY-3 PERCENT (g)	5.6%	10.1%	2.5%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	0/25 (0%)
FIRST INCIDENCE	658	673	671
HC TUMORS SAME RTE	2/369 (1%)		
HC TUMORS ALL RTES	2/369 (1%)		

STATISTICAL TESTS

POLY 3	P=0.608	P=0.385	P=0.460N
POLY 1.5	P=0.576	P=0.348	P=0.483N
POLY 6	P=0.639	P=0.425	P=0.439N
COCH-ARM / FISHERS	P=0.524	P=0.311	P=0.522N
MAX-ISO-POLY-3	(e)	P=0.251	P=0.261N
HISTCONT SAME RTE	(e)	P=0.022*	P=0.320
HISTCONT ALL RTES	(e)	P=0.022*	P=0.320

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DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	3/52 (6%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	3/36.16	0/39.16	2/39.73
POLY-3 PERCENT (g)	8.3%	0%	5%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	512	---	733 (T)
HC TUMORS SAME RTE	28/368 (8%)		
HC TUMORS ALL RTES	28/368 (8%)		

STATISTICAL TESTS

POLY 3	P=0.187N	P=0.104N	P=0.457N
POLY 1.5	P=0.206N	P=0.116N	P=0.483N
POLY 6	P=0.169N	P=0.093N	P=0.433N
COCH-ARM / FISHERS	P=0.232N	P=0.133N	P=0.528N
MAX-ISO-POLY-3	(e)	P=0.039N*	P=0.296N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

Liver
 Cholangiocarcinoma

TUMOR RATES

OVERALL (a)	0/52 (0%)	36/49 (73%)	29/49 (59%)
POLY-3 RATE (b)	0/35.12	36/42.58	29/42.62
POLY-3 PERCENT (g)	0%	84.6%	68.1%
TERMINAL (d)	0/21 (0%)	22/25 (88%)	17/25 (68%)
FIRST INCIDENCE	---	433	567
HC TUMORS SAME RTE	0/371 (0%)		
HC TUMORS ALL RTES	0/371 (0%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	P<0.001**	P<0.001**
HISTCONT ALL RTES	(e)	P<0.001**	P<0.001**

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Liver
 Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	0/52 (0%)	24/49 (49%)	1/49 (2%)
POLY-3 RATE (b)	0/35.12	24/40.49	1/39.73
POLY-3 PERCENT (g)	0%	59.3%	2.5%
TERMINAL (d)	0/21 (0%)	17/25 (68%)	1/25 (4%)
FIRST INCIDENCE	---	617	733 (T)
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.525
POLY 1.5	P<0.001**	P<0.001**	P=0.511
POLY 6	P<0.001**	P<0.001**	P=0.539
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.485
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.191
HISTCONT SAME RTE	(e)	P<0.001**	P=0.241
HISTCONT ALL RTES	(e)	P<0.001**	P=0.241

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	0/52 (0%)	24/49 (49%)	1/49 (2%)
POLY-3 RATE (b)	0/35.12	24/40.49	1/39.73
POLY-3 PERCENT (g)	0%	59.3%	2.5%
TERMINAL (d)	0/21 (0%)	17/25 (68%)	1/25 (4%)
FIRST INCIDENCE	---	617	733 (T)
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.525
POLY 1.5	P<0.001**	P<0.001**	P=0.511
POLY 6	P<0.001**	P<0.001**	P=0.539
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.485
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.191
HISTCONT SAME RTE	(e)	P<0.001**	P=0.241
HISTCONT ALL RTES	(e)	P<0.001**	P=0.241

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/52 (0%)	24/49 (49%)	1/49 (2%)
POLY-3 RATE (b)	0/35.12	24/40.49	1/39.73
POLY-3 PERCENT (g)	0%	59.3%	2.5%
TERMINAL (d)	0/21 (0%)	17/25 (68%)	1/25 (4%)
FIRST INCIDENCE	---	617	733 (T)
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.525
POLY 1.5	P<0.001**	P<0.001**	P=0.511
POLY 6	P<0.001**	P<0.001**	P=0.539
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.485
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.191
HISTCONT SAME RTE	(e)	P<0.001**	P=0.241
HISTCONT ALL RTES	(e)	P<0.001**	P=0.241

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

Liver
 Hepatocholangioma

TUMOR RATES

OVERALL (a)	0/52 (0%)	4/49 (8%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	4/39.43	0/39.73
POLY-3 PERCENT (g)	0%	10.1%	0%
TERMINAL (d)	0/21 (0%)	3/25 (12%)	0/25 (0%)
FIRST INCIDENCE	---	687	---
HC TUMORS SAME RTE	0/371 (0%)		
HC TUMORS ALL RTES	0/371 (0%)		

STATISTICAL TESTS

POLY 3	P=0.215	P=0.076	(e)
POLY 1.5	P=0.197	P=0.064	(e)
POLY 6	P=0.235	P=0.091	(e)
COCH-ARM / FISHERS	P=0.173	P=0.052	(e)
MAX-ISO-POLY-3	(e)	P=0.034*	(e)
HISTCONT SAME RTE	(e)	P=0.011*	(e)
HISTCONT ALL RTES	(e)	P=0.011*	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Lung
 Cystic Keratinizing Epithelioma**

TUMOR RATES

OVERALL (a)	0/51 (0%)	20/50 (40%)	0/50 (0%)
POLY-3 RATE (b)	0/35.05	20/40.61	0/39.74
POLY-3 PERCENT (g)	0%	49.2%	0%
TERMINAL (d)	0/21 (0%)	12/25 (48%)	0/25 (0%)
FIRST INCIDENCE	---	617	---
HC TUMORS SAME RTE	0/370 (0%)		
HC TUMORS ALL RTES	0/370 (0%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)
HISTCONT SAME RTE	(e)	P<0.001**	(e)
HISTCONT ALL RTES	(e)	P<0.001**	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Mammary Gland
 Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	2/52 (4%)	2/52 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/35.79	2/40.64	2/40.85
POLY-3 PERCENT (g)	5.6%	4.9%	4.9%
TERMINAL (d)	1/21 (5%)	1/25 (4%)	0/25 (0%)
FIRST INCIDENCE	503	484	545
HC TUMORS SAME RTE	42/371 (11%)		
HC TUMORS ALL RTES	42/371 (11%)		

STATISTICAL TESTS

POLY 3	P=0.613N	P=0.648N	P=0.646N
POLY 1.5	P=0.645N	P=0.676N	P=0.672N
POLY 6	P=0.579N	P=0.617N	P=0.616N
COCH-ARM / FISHERS	P=0.662	P=0.691N	P=0.676
MAX-ISO-POLY-3	(e)	P=0.450N	P=0.449N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

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DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Mammary Gland
 Fibroadenoma**

TUMOR RATES	#	#	#
OVERALL (a)	25/52 (48%)	8/52 (15%)	17/50 (34%)
POLY-3 RATE (b)	25/43.94	8/41.18	17/43.27
POLY-3 PERCENT (g)	56.9%	19.4%	39.3%
TERMINAL (d)	8/21 (38%)	5/25 (20%)	9/25 (36%)
FIRST INCIDENCE	320	433	302
HC TUMORS SAME RTE	263/371 (71%)		
HC TUMORS ALL RTEs	263/371 (71%)		

STATISTICAL TESTS

POLY 3	P=0.002N**	P<0.001N**	P=0.069N
POLY 1.5	P=0.002N**	P<0.001N**	P=0.079N
POLY 6	P=0.002N**	P<0.001N**	P=0.068N
COCH-ARM / FISHERS	P=0.003N**	P<0.001N**	P=0.107N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.045N*
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTEs	(e)	(h)	(h)

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			4600 UG/KG STOP

**Mammary Gland
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

TUMOR RATES	#	#	#
OVERALL (a)	27/52 (52%)	10/52 (19%)	18/50 (36%)
POLY-3 RATE (b)	27/44.61	10/41.89	18/43.86
POLY-3 PERCENT (g)	60.5%	23.9%	41%
TERMINAL (d)	9/21 (43%)	6/25 (24%)	9/25 (36%)
FIRST INCIDENCE	320	433	302
HC TUMORS SAME RTE	279/371 (75%)		
HC TUMORS ALL RTES	279/371 (75%)		

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.046N*
POLY 1.5	P=0.002N**	P<0.001N**	P=0.054N
POLY 6	P<0.001N**	P<0.001N**	P=0.045N*
COCH-ARM / FISHERS	P=0.002N**	P<0.001N**	P=0.078N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.029N*
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

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			4600 UG/KG STOP

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/52 (0%)	2/52 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/35.12	2/40.71	0/39.74
POLY-3 PERCENT (g)	0%	4.9%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	620	---
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.437	P=0.271	(e)
POLY 1.5	P=0.420	P=0.251	(e)
POLY 6	P=0.455	P=0.296	(e)
COCH-ARM / FISHERS	P=0.396	P=0.248	(e)
MAX-ISO-POLY-3	(e)	P=0.107	(e)
HISTCONT SAME RTE	(e)	P=0.083	(e)
HISTCONT ALL RTES	(e)	P=0.083	(e)

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Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma**

TUMOR RATES	#	#	#
OVERALL (a)	0/52 (0%)	2/52 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/35.12	2/40.71	0/39.74
POLY-3 PERCENT (g)	0%	4.9%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	620	---
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.437	P=0.271	(e)
POLY 1.5	P=0.420	P=0.251	(e)
POLY 6	P=0.455	P=0.296	(e)
COCH-ARM / FISHERS	P=0.396	P=0.248	(e)
MAX-ISO-POLY-3	(e)	P=0.107	(e)
HISTCONT SAME RTE	(e)	P=0.083	(e)
HISTCONT ALL RTES	(e)	P=0.083	(e)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Oral Mucosa
 Squamous Cell Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	0/52 (0%)	2/52 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/35.12	2/40.71	0/39.74
POLY-3 PERCENT (g)	0%	4.9%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	620	---
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.437	P=0.271	(e)
POLY 1.5	P=0.420	P=0.251	(e)
POLY 6	P=0.455	P=0.296	(e)
COCH-ARM / FISHERS	P=0.396	P=0.248	(e)
MAX-ISO-POLY-3	(e)	P=0.107	(e)
HISTCONT SAME RTE	(e)	P=0.083	(e)
HISTCONT ALL RTES	(e)	P=0.083	(e)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Pancreas
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	0/52 (0%)	2/47 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	2/37.63	0/39.73
POLY-3 PERCENT (g)	0%	5.3%	0%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	0/25 (0%)
FIRST INCIDENCE	---	733 (T)	---
HC TUMORS SAME RTE	1/366 (0%)		
HC TUMORS ALL RTES	1/366 (0%)		

STATISTICAL TESTS

POLY 3	P=0.428	P=0.252	(e)
POLY 1.5	P=0.410	P=0.233	(e)
POLY 6	P=0.446	P=0.275	(e)
COCH-ARM / FISHERS	P=0.381	P=0.223	(e)
MAX-ISO-POLY-3	(e)	P=0.095	(e)
HISTCONT SAME RTE	(e)	P=0.030*	(e)
HISTCONT ALL RTES	(e)	P=0.030*	(e)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	17/52 (33%)	4/52 (8%)	12/50 (24%)
POLY-3 RATE (b)	17/37.11	4/39.93	12/40.05
POLY-3 PERCENT (g)	45.8%	10%	30%
TERMINAL (d)	11/21 (52%)	4/25 (16%)	10/25 (40%)
FIRST INCIDENCE	440	733 (T)	672
HC TUMORS SAME RTE	153/369 (42%)		
HC TUMORS ALL RTES	153/369 (42%)		

STATISTICAL TESTS

POLY 3	P=0.003N**	P<0.001N**	P=0.107N
POLY 1.5	P=0.006N**	P<0.001N**	P=0.149N
POLY 6	P=0.002N**	P<0.001N**	P=0.076N
COCH-ARM / FISHERS	P=0.013N*	P<0.001N**	P=0.226N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.078N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma**

TUMOR RATES

OVERALL (a)	2/52 (4%)	0/52 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/35.78	0/39.93	1/39.74
POLY-3 PERCENT (g)	5.6%	0%	2.5%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	1/25 (4%)
FIRST INCIDENCE	512	---	733 (T)
HC TUMORS SAME RTE	1/369 (0%)		
HC TUMORS ALL RTES	1/369 (0%)		

STATISTICAL TESTS

POLY 3	P=0.242N	P=0.213N	P=0.463N
POLY 1.5	P=0.259N	P=0.228N	P=0.484N
POLY 6	P=0.225N	P=0.198N	P=0.442N
COCH-ARM / FISHERS	P=0.274N	P=0.248N	P=0.515N
MAX-ISO-POLY-3	(e)	P=0.075N	P=0.262N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	19/52 (37%)	4/52 (8%)	13/50 (26%)
POLY-3 RATE (b)	19/37.77	4/39.93	13/40.05
POLY-3 PERCENT (g)	50.3%	10%	32.5%
TERMINAL (d)	12/21 (57%)	4/25 (16%)	11/25 (44%)
FIRST INCIDENCE	440	733 (T)	672
HC TUMORS SAME RTE	154/369 (42%)		
HC TUMORS ALL RTES	154/369 (42%)		

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.077N
POLY 1.5	P=0.002N**	P<0.001N**	P=0.110N
POLY 6	P<0.001N**	P<0.001N**	P=0.053N
COCH-ARM / FISHERS	P=0.005N**	P<0.001N**	P=0.175N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.054N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Skin
 Fibroma**

TUMOR RATES	#	#	#
OVERALL (a)	2/52 (4%)	0/52 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/35.97	0/39.93	1/40.14
POLY-3 PERCENT (g)	5.6%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	561	---	617
HC TUMORS SAME RTE	6/371 (2%)		
HC TUMORS ALL RTES	6/371 (2%)		

STATISTICAL TESTS

POLY 3	P=0.242N	P=0.214N	P=0.462N
POLY 1.5	P=0.259N	P=0.228N	P=0.483N
POLY 6	P=0.227N	P=0.200N	P=0.441N
COCH-ARM / FISHERS	P=0.274N	P=0.248N	P=0.515N
MAX-ISO-POLY-3	(e)	P=0.075N	P=0.261N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#
OVERALL (a)	0/52 (0%)	0/52 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/35.12	0/39.93	2/39.74
POLY-3 PERCENT (g)	0%	0%	5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	733 (T)
HC TUMORS SAME RTE	2/371 (1%)		
HC TUMORS ALL RTES	2/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.425	(e)	P=0.265
POLY 1.5	P=0.404	(e)	P=0.250
POLY 6	P=0.448	(e)	P=0.283
COCH-ARM / FISHERS	P=0.396	(e)	P=0.238
MAX-ISO-POLY-3	(e)	(e)	P=0.104
HISTCONT SAME RTE	(e)	(e)	P=0.043*
HISTCONT ALL RTES	(e)	(e)	P=0.043*

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Thyroid Gland: C-Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	9/51 (18%)	6/49 (12%)	5/50 (10%)
POLY-3 RATE (b)	9/37.33	6/39.64	5/40.22
POLY-3 PERCENT (g)	24.1%	15.1%	12.4%
TERMINAL (d)	5/21 (24%)	4/25 (16%)	4/25 (16%)
FIRST INCIDENCE	503	620	589
HC TUMORS SAME RTE	100/367 (27%)		
HC TUMORS ALL RTEs	100/367 (27%)		

STATISTICAL TESTS

POLY 3	P=0.134N	P=0.239N	P=0.147N
POLY 1.5	P=0.160N	P=0.279N	P=0.170N
POLY 6	P=0.109N	P=0.199N	P=0.125N
COCH-ARM / FISHERS	P=0.194N	P=0.318N	P=0.206N
MAX-ISO-POLY-3	(e)	P=0.168N	P=0.098N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTEs	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Thyroid Gland: C-Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	2/51 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/35.05	0/39.07	0/39.74
POLY-3 PERCENT (g)	5.7%	0%	0%
TERMINAL (d)	2/21 (10%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	733 (T)	---	---
HC TUMORS SAME RTE	15/367 (4%)		
HC TUMORS ALL RTES	15/367 (4%)		

STATISTICAL TESTS

POLY 3	P=0.091N	P=0.213N	P=0.210N
POLY 1.5	P=0.098N	P=0.229N	P=0.223N
POLY 6	P=0.083N	P=0.196N	P=0.195N
COCH-ARM / FISHERS	P=0.109N	P=0.258N	P=0.252N
MAX-ISO-POLY-3	(e)	P=0.077N	P=0.076N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Thyroid Gland: C-Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	11/51 (22%)	6/49 (12%)	5/50 (10%)
POLY-3 RATE (b)	11/37.33	6/39.64	5/40.22
POLY-3 PERCENT (g)	29.5%	15.1%	12.4%
TERMINAL (d)	7/21 (33%)	4/25 (16%)	4/25 (16%)
FIRST INCIDENCE	503	620	589
HC TUMORS SAME RTE	113/367 (31%)		
HC TUMORS ALL RTES	113/367 (31%)		

STATISTICAL TESTS

POLY 3	P=0.038N*	P=0.104N	P=0.054N
POLY 1.5	P=0.051N	P=0.133N	P=0.069N
POLY 6	P=0.028N*	P=0.078N	P=0.042N*
COCH-ARM / FISHERS	P=0.071N	P=0.165N	P=0.093N
MAX-ISO-POLY-3	(e)	P=0.069N	P=0.034N*
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Uterus
 Carcinoma**

TUMOR RATES	#	#	#
OVERALL (a)	2/52 (4%)	3/52 (6%)	11/50 (22%)
POLY-3 RATE (b)	2/35.12	3/40.16	11/40.86
POLY-3 PERCENT (g)	5.7%	7.5%	26.9%
TERMINAL (d)	2/21 (10%)	2/25 (8%)	6/25 (24%)
FIRST INCIDENCE	733 (T)	672	642
HC TUMORS SAME RTE	3/371 (1%)		
HC TUMORS ALL RTES	3/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.079	P=0.561	P=0.014*
POLY 1.5	P=0.058	P=0.524	P=0.009**
POLY 6	P=0.108	P=0.602	P=0.022*
COCH-ARM / FISHERS	P=0.053	P=0.500	P=0.006**
MAX-ISO-POLY-3	(e)	P=0.385	P=0.010**
HISTCONT SAME RTE	(e)	P=0.045*	P=0.008**
HISTCONT ALL RTES	(e)	P=0.045*	P=0.008**

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Uterus
 Polyp Stromal**

TUMOR RATES	#	#	#
OVERALL (a)	3/52 (6%)	6/52 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/35.9	6/40.56	4/39.74
POLY-3 PERCENT (g)	8.4%	14.8%	10.1%
TERMINAL (d)	1/21 (5%)	4/25 (16%)	4/25 (16%)
FIRST INCIDENCE	617	617	733 (T)
HC TUMORS SAME RTE	54/371 (15%)		
HC TUMORS ALL RTES	54/371 (15%)		

STATISTICAL TESTS

POLY 3	P=0.375	P=0.303	P=0.556
POLY 1.5	P=0.335	P=0.264	P=0.525
POLY 6	P=0.416	P=0.347	P=0.585
COCH-ARM / FISHERS	P=0.293	P=0.244	P=0.478
MAX-ISO-POLY-3	(e)	P=0.206	P=0.403
HISTCONT SAME RTE	(e)	P=0.260	P=0.523
HISTCONT ALL RTES	(e)	P=0.260	P=0.523

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**Uterus
 Schwannoma Malignant**

TUMOR RATES	#	#	#
OVERALL (a)	1/52 (2%)	1/52 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/35.36	1/39.99	2/40.51
POLY-3 PERCENT (g)	2.8%	2.5%	4.9%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	669	718	567
HC TUMORS SAME RTE	3/371 (1%)		
HC TUMORS ALL RTES	3/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.612	P=0.733N	P=0.547
POLY 1.5	P=0.585	P=0.750N	P=0.522
POLY 6	P=0.639	P=0.714N	P=0.574
COCH-ARM / FISHERS	P=0.564	P=0.752N	P=0.485
MAX-ISO-POLY-3	(e)	P=0.466N	P=0.332
HISTCONT SAME RTE	(e)	P=0.288	P=0.058
HISTCONT ALL RTES	(e)	P=0.288	P=0.058

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#
OVERALL (a)	2/52 (4%)	3/52 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/36.11	3/40.29	0/39.74
POLY-3 PERCENT (g)	5.5%	7.5%	0%
TERMINAL (d)	1/21 (5%)	1/25 (4%)	0/25 (0%)
FIRST INCIDENCE	119	673	---
HC TUMORS SAME RTE	4/371 (1%)		
HC TUMORS ALL RTES	4/371 (1%)		

STATISTICAL TESTS

POLY 3	P=0.516N	P=0.550	P=0.216N
POLY 1.5	P=0.541N	P=0.515	P=0.230N
POLY 6	P=0.489N	P=0.590	P=0.202N
COCH-ARM / FISHERS	P=0.572N	P=0.500	P=0.257N
MAX-ISO-POLY-3	(e)	P=0.374	P=0.077N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**All Organs
 Benign Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	43/52 (83%)	36/52 (69%)	30/50 (60%)
POLY-3 RATE (b)	43/47.38	36/43.7	30/43.98
POLY-3 PERCENT (g)	90.8%	82.4%	68.2%
TERMINAL (d)	19/21 (91%)	23/25 (92%)	19/25 (76%)
FIRST INCIDENCE	320	433	302
HC TUMORS SAME RTE	332/371 (90%)		
HC TUMORS ALL RTES	332/371 (90%)		

STATISTICAL TESTS

POLY 3	P=0.013N*	P=0.166N	P=0.003N**
POLY 1.5	P=0.015N*	P=0.168N	P=0.004N**
POLY 6	P=0.016N*	P=0.187N	P=0.004N**
COCH-ARM / FISHERS	P=0.016N*	P=0.084N	P=0.010N**
MAX-ISO-POLY-3	(e)	P=0.103N	P=0.002N**
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
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 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**All Organs
 Malignant Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	15/52 (29%)	39/52 (75%)	37/50 (74%)
POLY-3 RATE (b)	15/38.5	39/44.9	37/44.7
POLY-3 PERCENT (g)	39%	86.9%	82.8%
TERMINAL (d)	9/21 (43%)	22/25 (88%)	20/25 (80%)
FIRST INCIDENCE	119	433	545
HC TUMORS SAME RTE	98/371 (26%)		
HC TUMORS ALL RTES	98/371 (26%)		

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	P<0.001**	P<0.001**
HISTCONT ALL RTES	(e)	P<0.001**	P<0.001**

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 13:59:33
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	0 UG/KG	4600 UG/KG	Females
			4600 UG/KG STOP

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#
OVERALL (a)	48/52 (92%)	45/52 (87%)	44/50 (88%)
POLY-3 RATE (b)	48/49.26	45/46.15	44/46.95
POLY-3 PERCENT (g)	97.4%	97.5%	93.7%
TERMINAL (d)	21/21 (100%)	25/25 (100%)	23/25 (92%)
FIRST INCIDENCE	119	433	302
HC TUMORS SAME RTE	351/371 (95%)		
HC TUMORS ALL RTES	351/371 (95%)		

STATISTICAL TESTS

POLY 3	P=0.449N	P=0.809	P=0.323N
POLY 1.5	P=0.506N	P=0.680	P=0.378N
POLY 6	P=0.374N	P=0.910N	P=0.259N
COCH-ARM / FISHERS	P=0.250N	P=0.263N	P=0.346N
MAX-ISO-POLY-3	(e)	P=0.487	P=0.150N
HISTCONT SAME RTE	(e)	(h)	(h)
HISTCONT ALL RTES	(e)	(h)	(h)

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
TEF evaluation (PCB 118)
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of Statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***