

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF TEF evaluation (PCB 118)

FEMALE RATS

Organ

Adrenal Cortex

Adrenal Medulla

Bone Marrow

Brain

Clitoral Gland

Eye: Retina

Kidney

Liver

Liver: Bile Duct

Liver: Hepatocyte

Liver: Oval Cell

Morphology

Atrophy

Hypertrophy

Necrosis

Vacuolization Cytoplasmic

Hyperplasia

Atrophy

Hyperplasia

Hemorrhage

Inflammation

Atrophy

Calculus Micro Observation Only

Nephropathy

Pigmentation

Basophilic Focus

Cholangiofibrosis

Clear Cell Focus

Eosinophilic Focus

Fatty Change Diffuse

Fatty Change Focal

Hematopoietic Cell Proliferation

Hyperplasia

Inflammation

Mixed Cell Focus

Necrosis

Pigmentation

Toxic Hepatopathy

Cyst

Hyperplasia

Hypertrophy

Multinucleated

Hyperplasia

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF TEF evaluation (PCB 118)

Lung
Lung: Alveolar Epithelium

Mammary Gland
Nose
Nose: Respiratory Epithelium
Pancreas
Pancreas: Acinus
Pancreas: Artery
Spleen
Stomach, Forestomach
Thymus
Thyroid Gland: Follicular Cell
Uterus
Uterus: Endometrium

Metaplasia
Hyperplasia
Metaplasia Bronchiolar
Inflammation Granulomatous
Inflammation
Hyperplasia
Inflammation Chronic
Vacuolization Cytoplasmic
Inflammation Chronic
Pigmentation
Hyperplasia
Atrophy
Hypertrophy
Metaplasia
Hyperplasia Cystic

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex
 Atrophy**

LESION RATES

OVERALL (a)	1/52 (2%)	35/49 (71%)	4/49 (8%)
POLY-3 RATE (b)	1/35.12	35/41.86	4/39.81
POLY-3 PERCENT (g)	2.9%	83.6%	10.1%
TERMINAL (d)	1/21 (5%)	24/25 (96%)	3/25 (12%)
FIRST INCIDENCE	733 (T)	433	713

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.218
POLY 1.5	P<0.001**	P<0.001**	P=0.195
POLY 6	P<0.001**	P<0.001**	P=0.244
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.163
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.124

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Adrenal Cortex
Degeneration Cystic

LESION RATES

OVERALL (a)	9/52 (17%)	8/49 (16%)	12/49 (24%)
POLY-3 RATE (b)	9/36.70	8/40.74	12/40.18
POLY-3 PERCENT (g)	24.5%	19.6%	29.9%
TERMINAL (d)	5/21 (24%)	2/25 (8%)	9/25 (36%)
FIRST INCIDENCE	516	567	671

STATISTICAL TESTS

POLY 3	P=0.583	P=0.404N	P=0.393
POLY 1.5	P=0.505	P=0.476N	P=0.341
POLY 6	P=0.521N	P=0.329N	P=0.443
COCH-ARM / FISHERS	P=0.405	P=0.554N	P=0.260
MAX-ISO-POLY-3	(e)	P=0.313N	P=0.308

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Adrenal Cortex
Hyperplasia

LESION RATES

OVERALL (a)	14/52 (27%)	13/49 (27%)	21/49 (43%)
POLY-3 RATE (b)	14/37.81	13/41.01	21/41.73
POLY-3 PERCENT (g)	37%	31.7%	50.3%
TERMINAL (d)	8/21 (38%)	8/25 (32%)	14/25 (56%)
FIRST INCIDENCE	495	484	545

STATISTICAL TESTS

POLY 3	P=0.409	P=0.396N	P=0.159
POLY 1.5	P=0.315	P=0.481N	P=0.117
POLY 6	P=0.509	P=0.313N	P=0.211
COCH-ARM / FISHERS	P=0.216	P=0.572N	P=0.070
MAX-ISO-POLY-3	(e)	P=0.316N	P=0.124

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Cortex
 Hypertrophy**

LESION RATES

OVERALL (a)	37/52 (71%)	34/49 (69%)	38/49 (78%)
POLY-3 RATE (b)	37/42.07	34/43.84	38/44.18
POLY-3 PERCENT (g)	88%	77.6%	86%
TERMINAL (d)	21/21 (100%)	22/25 (88%)	22/25 (88%)
FIRST INCIDENCE	443	433	545

STATISTICAL TESTS

POLY 3	P=0.241N	P=0.131N	P=0.524N
POLY 1.5	P=0.443N	P=0.294N	P=0.560
POLY 6	P=0.103N	P=0.044N*	P=0.324N
COCH-ARM / FISHERS	P=0.456	P=0.509N	P=0.307
MAX-ISO-POLY-3	(e)	P=0.081N	P=0.378N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Adrenal Cortex
Necrosis

LESION RATES

OVERALL (a)	0/52 (0%)	0/49 (0%)	4/49 (8%)
POLY-3 RATE (b)	0/35.12	0/39.16	4/41.44
POLY-3 PERCENT (g)	0%	0%	9.7%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	567

STATISTICAL TESTS

POLY 3	P=0.207	(e)	P=0.084
POLY 1.5	P=0.186	(e)	P=0.070
POLY 6	P=0.232	(e)	P=0.102
COCH-ARM / FISHERS	P=0.173	(e)	P=0.052
MAX-ISO-POLY-3	(e)	(e)	P=0.041*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Adrenal Cortex
Vacuolization Cytoplasmic

LESION RATES

OVERALL (a)	10/52 (19%)	18/49 (37%)	21/49 (43%)
POLY-3 RATE (b)	10/37.43	18/40.99	21/43.37
POLY-3 PERCENT (g)	26.7%	43.9%	48.4%
TERMINAL (d)	6/21 (29%)	9/25 (36%)	10/25 (40%)
FIRST INCIDENCE	378	567	545

STATISTICAL TESTS

POLY 3	P=0.034*	P=0.083	P=0.034*
POLY 1.5	P=0.017*	P=0.054	P=0.019*
POLY 6	P=0.070	P=0.133	P=0.066
COCH-ARM / FISHERS	P=0.009**	P=0.040*	P=0.009**
MAX-ISO-POLY-3	(e)	P=0.062	P=0.028*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Adrenal Medulla
 Hyperplasia**

LESION RATES

OVERALL (a)	11/52 (21%)	1/49 (2%)	16/49 (33%)
POLY-3 RATE (b)	11/36.89	1/39.37	16/41.60
POLY-3 PERCENT (g)	29.8%	2.5%	38.5%
TERMINAL (d)	6/21 (29%)	0/25 (0%)	9/25 (36%)
FIRST INCIDENCE	561	677	567

STATISTICAL TESTS

POLY 3	P=0.217N	P<0.001N**	P=0.283
POLY 1.5	P=0.277N	P=0.002N**	P=0.219
POLY 6	P=0.169N	P<0.001N**	P=0.357
COCH-ARM / FISHERS	P=0.363N	P=0.003N**	P=0.140
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.224

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Bone Marrow
Atrophy**

LESION RATES

OVERALL (a)	4/52 (8%)	0/52 (0%)	0/50 (0%)
POLY-3 RATE (b)	4/36.16	0/39.93	0/39.74
POLY-3 PERCENT (g)	11.1%	0%	0%
TERMINAL (d)	2/21 (10%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	440	---	---

STATISTICAL TESTS

POLY 3	P=0.007N**	P=0.048N*	P=0.048N*
POLY 1.5	P=0.008N**	P=0.056N	P=0.055N
POLY 6	P=0.006N**	P=0.040N*	P=0.042N*
COCH-ARM / FISHERS	P=0.011N*	P=0.059N	P=0.064N
MAX-ISO-POLY-3 (e)		P=0.018N*	P=0.019N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Bone Marrow
 Hyperplasia**

LESION RATES

OVERALL (a)	31/52 (60%)	47/52 (90%)	43/50 (86%)
POLY-3 RATE (b)	31/49.00	47/49.78	43/49.97
POLY-3 PERCENT (g)	63.3%	94.4%	86.1%
TERMINAL (d)	6/21 (29%)	23/25 (92%)	19/25 (76%)
FIRST INCIDENCE	291	65	160

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.007**
POLY 1.5	P<0.001**	P<0.001**	P=0.005**
POLY 6	P<0.001**	P<0.001**	P=0.009**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.003**
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.004**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Brain
 Hemorrhage**

LESION RATES

OVERALL (a)	3/52 (6%)	0/52 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/37.05	0/39.93	1/40.72
POLY-3 PERCENT (g)	8.1%	0%	2.5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	119	---	207

STATISTICAL TESTS

POLY 3	P=0.091N	P=0.105N	P=0.271N
POLY 1.5	P=0.101N	P=0.116N	P=0.291N
POLY 6	P=0.082N	P=0.095N	P=0.253N
COCH-ARM / FISHERS	P=0.109N	P=0.121N	P=0.324N
MAX-ISO-POLY-3	(e)	P=0.037N*	P=0.144N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Brain
 Necrosis**

LESION RATES

OVERALL (a)	2/52 (4%)	0/52 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/35.79	0/39.93	0/39.74
POLY-3 PERCENT (g)	5.6%	0%	0%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	503	---	---

STATISTICAL TESTS

POLY 3	P=0.091N	P=0.213N	P=0.214N
POLY 1.5	P=0.098N	P=0.228N	P=0.227N
POLY 6	P=0.084N	P=0.198N	P=0.201N
COCH-ARM / FISHERS	P=0.107N	P=0.248N	P=0.257N
MAX-ISO-POLY-3	(e)	P=0.075N	P=0.077N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Clitoral Gland
 Inflammation**

LESION RATES

OVERALL (a)	41/52 (79%)	13/49 (27%)	29/48 (60%)
POLY-3 RATE (b)	41/48.75	13/41.75	29/42.53
POLY-3 PERCENT (g)	84.1%	31.1%	68.2%
TERMINAL (d)	16/21 (76%)	7/25 (28%)	19/25 (76%)
FIRST INCIDENCE	291	158	433

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.050N*
POLY 1.5	P<0.001N**	P<0.001N**	P=0.039N*
POLY 6	P<0.001N**	P<0.001N**	P=0.072N
COCH-ARM / FISHERS	P<0.001N**	P<0.001N**	P=0.036N*
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.034N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Clitoral Gland: Duct
Cyst**

LESION RATES

OVERALL (a)	26/52 (50%)	30/49 (61%)	28/48 (58%)
POLY-3 RATE (b)	26/40.62	30/44.26	28/45.96
POLY-3 PERCENT (g)	64%	67.8%	60.9%
TERMINAL (d)	14/21 (67%)	15/25 (60%)	13/25 (52%)
FIRST INCIDENCE	440	158	207

STATISTICAL TESTS

POLY 3	P=0.570	P=0.443	P=0.470N
POLY 1.5	P=0.393	P=0.305	P=0.543
POLY 6	P=0.417N	P=0.590	P=0.312N
COCH-ARM / FISHERS	P=0.165	P=0.175	P=0.263
MAX-ISO-POLY-3	(e)	P=0.357	P=0.387N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Eye: Retina
 Atrophy

LESION RATES

OVERALL (a)	1/52 (2%)	6/52 (12%)	0/50 (0%)
POLY-3 RATE (b)	1/35.12	6/40.54	0/39.74
POLY-3 PERCENT (g)	2.9%	14.8%	0%
TERMINAL (d)	1/21 (5%)	3/25 (12%)	0/25 (0%)
FIRST INCIDENCE	733 (T)	672	---

STATISTICAL TESTS

POLY 3	P=0.302	P=0.081	P=0.475N
POLY 1.5	P=0.274	P=0.065	P=0.489N
POLY 6	P=0.334	P=0.103	P=0.461N
COCH-ARM / FISHERS	P=0.240	P=0.056	P=0.510N
MAX-ISO-POLY-3	(e)	P=0.046*	P=0.160N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Harderian Gland
 Infiltration Cellular Mononuclear Cell**

LESION RATES

OVERALL (a)	7/52 (13%)	13/52 (25%)	11/50 (22%)
POLY-3 RATE (b)	7/37.27	13/40.55	11/41.26
POLY-3 PERCENT (g)	18.8%	32.1%	26.7%
TERMINAL (d)	3/21 (14%)	9/25 (36%)	6/25 (24%)
FIRST INCIDENCE	503	652	545

STATISTICAL TESTS

POLY 3	P=0.164	P=0.137	P=0.287
POLY 1.5	P=0.129	P=0.110	P=0.244
POLY 6	P=0.208	P=0.170	P=0.335
COCH-ARM / FISHERS	P=0.104	P=0.106	P=0.192
MAX-ISO-POLY-3	(e)	P=0.096	P=0.216

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Heart
 Cardiomyopathy**

LESION RATES

OVERALL (a)	13/52 (25%)	16/50 (32%)	19/50 (38%)
POLY-3 RATE (b)	13/37.67	16/42.37	19/41.63
POLY-3 PERCENT (g)	34.5%	37.8%	45.6%
TERMINAL (d)	7/21 (33%)	7/25 (28%)	11/25 (44%)
FIRST INCIDENCE	440	459	589

STATISTICAL TESTS

POLY 3	P=0.296	P=0.472	P=0.212
POLY 1.5	P=0.209	P=0.367	P=0.163
POLY 6	P=0.405	P=0.590	P=0.278
COCH-ARM / FISHERS	P=0.141	P=0.286	P=0.115
MAX-ISO-POLY-3	(e)	P=0.386	P=0.164

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Heart: Endocardium
 Hyperplasia

LESION RATES

OVERALL (a)	0/52 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/35.12	2/39.26	0/39.74
POLY-3 PERCENT (g)	0%	5.1%	0%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	0/25 (0%)
FIRST INCIDENCE	---	733 (T)	---

STATISTICAL TESTS

POLY 3	P=0.433	P=0.262	(e)
POLY 1.5	P=0.416	P=0.244	(e)
POLY 6	P=0.451	P=0.284	(e)
COCH-ARM / FISHERS	P=0.391	P=0.238	(e)
MAX-ISO-POLY-3	(e)	P=0.102	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Intestine Large, Cecum: Artery
Inflammation Chronic

LESION RATES

OVERALL (a)	0/52 (0%)	1/48 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	1/38.30	2/39.79
POLY-3 PERCENT (g)	0%	2.6%	5%
TERMINAL (d)	0/21 (0%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	---	733 (T)	718

STATISTICAL TESTS

POLY 3	P=0.298	P=0.517	P=0.266
POLY 1.5	P=0.276	P=0.501	P=0.249
POLY 6	P=0.322	P=0.535	P=0.284
COCH-ARM / FISHERS	P=0.252	P=0.480	P=0.233
MAX-ISO-POLY-3	(e)	P=0.184	P=0.105

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Intestine Large, Colon: Artery
Inflammation Chronic

LESION RATES

OVERALL (a)	0/52 (0%)	1/48 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	1/38.49	2/39.87
POLY-3 PERCENT (g)	0%	2.6%	5%
TERMINAL (d)	0/21 (0%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	---	733 (T)	696

STATISTICAL TESTS

POLY 3	P=0.299	P=0.518	P=0.266
POLY 1.5	P=0.277	P=0.502	P=0.249
POLY 6	P=0.324	P=0.537	P=0.285
COCH-ARM / FISHERS	P=0.252	P=0.480	P=0.233
MAX-ISO-POLY-3	(e)	P=0.185	P=0.106

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Intestine Large, Rectum
 Parasite Metazoan

LESION RATES

OVERALL (a)	2/52 (4%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	2/35.36	3/39.93	2/39.79
POLY-3 PERCENT (g)	5.7%	7.5%	5%
TERMINAL (d)	1/21 (5%)	3/25 (12%)	1/25 (4%)
FIRST INCIDENCE	669	733 (T)	718

STATISTICAL TESTS

POLY 3	P=0.612	P=0.555	P=0.651N
POLY 1.5	P=0.578	P=0.521	P=0.676N
POLY 6	P=0.645	P=0.591	P=0.626N
COCH-ARM / FISHERS	P=0.529	P=0.481	P=0.668
MAX-ISO-POLY-3	(e)	P=0.381	P=0.454N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Intestine Large, Rectum: Artery
 Inflammation Chronic**

LESION RATES

OVERALL (a)	1/52 (2%)	1/50 (2%)	5/49 (10%)
POLY-3 RATE (b)	1/35.12	1/39.93	5/40.50
POLY-3 PERCENT (g)	2.9%	2.5%	12.4%
TERMINAL (d)	1/21 (5%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	733 (T)	733 (T)	567

STATISTICAL TESTS

POLY 3	P=0.296	P=0.732N	P=0.136
POLY 1.5	P=0.262	P=0.750N	P=0.116
POLY 6	P=0.333	P=0.711N	P=0.162
COCH-ARM / FISHERS	P=0.229	P=0.743	P=0.089
MAX-ISO-POLY-3	(e)	P=0.465N	P=0.079

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Kidney
Accumulation, Hyaline Droplet

LESION RATES

OVERALL (a)	1/52 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/35.12	0/39.93	2/40.09
POLY-3 PERCENT (g)	2.9%	0%	5%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	733 (T)	---	657

STATISTICAL TESTS

POLY 3	P=0.697N	P=0.474N	P=0.546
POLY 1.5	P=0.718N	P=0.490N	P=0.520
POLY 6	P=0.673N	P=0.458N	P=0.574
COCH-ARM / FISHERS	P=0.717	P=0.510N	P=0.478
MAX-ISO-POLY-3	(e)	P=0.160N	P=0.332

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
 Calculus Micro Observation Only**

LESION RATES

OVERALL (a)	3/52 (6%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	3/35.76	0/39.93	0/39.73
POLY-3 PERCENT (g)	8.4%	0%	0%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	624	---	---

STATISTICAL TESTS

POLY 3	P=0.025N*	P=0.099N	P=0.100N
POLY 1.5	P=0.029N*	P=0.111N	P=0.110N
POLY 6	P=0.023N*	P=0.089N	P=0.092N
COCH-ARM / FISHERS	P=0.036N*	P=0.129N	P=0.133N
MAX-ISO-POLY-3	(e)	P=0.038N*	P=0.039N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
 Mineralization**

LESION RATES

OVERALL (a)	25/52 (48%)	25/50 (50%)	28/49 (57%)
POLY-3 RATE (b)	25/43.21	25/44.40	28/45.70
POLY-3 PERCENT (g)	57.9%	56.3%	61.3%
TERMINAL (d)	10/21 (48%)	15/25 (60%)	14/25 (56%)
FIRST INCIDENCE	320	158	207

STATISTICAL TESTS

POLY 3	P=0.530	P=0.528N	P=0.454
POLY 1.5	P=0.446	P=0.581	P=0.373
POLY 6	P=0.553N	P=0.487N	P=0.537
COCH-ARM / FISHERS	P=0.320	P=0.502	P=0.238
MAX-ISO-POLY-3	(e)	P=0.440N	P=0.372

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Kidney
Nephropathy

LESION RATES

OVERALL (a)	42/52 (81%)	46/50 (92%)	48/49 (98%)
POLY-3 RATE (b)	42/46.10	46/46.96	48/48.07
POLY-3 PERCENT (g)	91.1%	98%	99.9%
TERMINAL (d)	20/21 (95%)	25/25 (100%)	25/25 (100%)
FIRST INCIDENCE	378	158	207

STATISTICAL TESTS

POLY 3	P=0.010**	P=0.108	P=0.025*
POLY 1.5	P=0.004**	P=0.066	P=0.011*
POLY 6	P=0.034*	P=0.182	P=0.079
COCH-ARM / FISHERS	P=0.007**	P=0.086	P=0.005**
MAX-ISO-POLY-3	(e)	P=0.038*	P=0.006**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney
 Pigmentation**

LESION RATES

OVERALL (a)	2/52 (4%)	42/50 (84%)	6/49 (12%)
POLY-3 RATE (b)	2/35.50	42/44.04	6/40.41
POLY-3 PERCENT (g)	5.6%	95.4%	14.9%
TERMINAL (d)	1/21 (5%)	24/25 (96%)	4/25 (16%)
FIRST INCIDENCE	624	567	617

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.176
POLY 1.5	P<0.001**	P<0.001**	P=0.150
POLY 6	P<0.001**	P<0.001**	P=0.207
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.116
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.112

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Pelvis
 Dilatation**

LESION RATES

OVERALL (a)	0/52 (0%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/35.12	0/39.93	3/40.06
POLY-3 PERCENT (g)	0%	0%	7.5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	642

STATISTICAL TESTS

POLY 3	P=0.298	(e)	P=0.143
POLY 1.5	P=0.275	(e)	P=0.129
POLY 6	P=0.322	(e)	P=0.161
COCH-ARM / FISHERS	P=0.256	(e)	P=0.111
MAX-ISO-POLY-3	(e)	(e)	P=0.062

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Pelvis
 Inflammation**

LESION RATES

OVERALL (a)	0/52 (0%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	2/40.09	2/40.01
POLY-3 PERCENT (g)	0%	5%	5%
TERMINAL (d)	0/21 (0%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	---	692	657

STATISTICAL TESTS

POLY 3	P=0.221	P=0.268	P=0.267
POLY 1.5	P=0.201	P=0.248	P=0.250
POLY 6	P=0.245	P=0.290	P=0.287
COCH-ARM / FISHERS	P=0.175	P=0.238	P=0.233
MAX-ISO-POLY-3	(e)	P=0.106	P=0.107

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Kidney: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/52 (0%)	3/50 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	3/40.09	0/39.73
POLY-3 PERCENT (g)	0%	7.5%	0%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	0/25 (0%)
FIRST INCIDENCE	---	692	---

STATISTICAL TESTS

POLY 3	P=0.304	P=0.144	(e)
POLY 1.5	P=0.285	P=0.128	(e)
POLY 6	P=0.324	P=0.163	(e)
COCH-ARM / FISHERS	P=0.256	P=0.114	(e)
MAX-ISO-POLY-3	(e)	P=0.061	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Angiectasis

LESION RATES

OVERALL (a)	0/52 (0%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/35.12	2/39.26	1/39.73
POLY-3 PERCENT (g)	0%	5.1%	2.5%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	1/25 (4%)
FIRST INCIDENCE	---	733 (T)	733 (T)

STATISTICAL TESTS

POLY 3	P=0.303	P=0.263	P=0.525
POLY 1.5	P=0.282	P=0.243	P=0.511
POLY 6	P=0.325	P=0.285	P=0.539
COCH-ARM / FISHERS	P=0.254	P=0.233	P=0.485
MAX-ISO-POLY-3	(e)	P=0.103	P=0.191

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	15/52 (29%)	1/49 (2%)	9/49 (18%)
POLY-3 RATE (b)	15/38.72	1/39.26	9/39.88
POLY-3 PERCENT (g)	38.7%	2.6%	22.6%
TERMINAL (d)	7/21 (33%)	1/25 (4%)	8/25 (32%)
FIRST INCIDENCE	503	733 (T)	694

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.089N
POLY 1.5	P<0.001N**	P<0.001N**	P=0.108N
POLY 6	P<0.001N**	P<0.001N**	P=0.080N
COCH-ARM / FISHERS	P=0.004N**	P<0.001N**	P=0.158N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.060N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Cholangiofibrosis

LESION RATES

OVERALL (a)	0/52 (0%)	22/49 (45%)	10/49 (20%)
POLY-3 RATE (b)	0/35.12	22/42.19	10/42.23
POLY-3 PERCENT (g)	0%	52.1%	23.7%
TERMINAL (d)	0/21 (0%)	11/25 (44%)	5/25 (20%)
FIRST INCIDENCE	---	433	433

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.002**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.002**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	15/52 (29%)	0/49 (0%)	13/49 (27%)
POLY-3 RATE (b)	15/38.48	0/39.26	13/41.25
POLY-3 PERCENT (g)	39%	0%	31.5%
TERMINAL (d)	9/21 (43%)	0/25 (0%)	9/25 (36%)
FIRST INCIDENCE	495	---	433

STATISTICAL TESTS

POLY 3	P=0.005N**	P<0.001N**	P=0.319N
POLY 1.5	P=0.007N**	P<0.001N**	P=0.375N
POLY 6	P=0.003N**	P<0.001N**	P=0.273N
COCH-ARM / FISHERS	P=0.017N*	P<0.001N**	P=0.485N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.249N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Degeneration Cystic

LESION RATES

OVERALL (a)	1/52 (2%)	2/49 (4%)	4/49 (8%)
POLY-3 RATE (b)	1/35.63	2/39.82	4/40.32
POLY-3 PERCENT (g)	2.8%	5%	9.9%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	3/25 (12%)
FIRST INCIDENCE	575	617	545

STATISTICAL TESTS

POLY 3	P=0.295	P=0.539	P=0.217
POLY 1.5	P=0.263	P=0.510	P=0.195
POLY 6	P=0.331	P=0.570	P=0.241
COCH-ARM / FISHERS	P=0.225	P=0.478	P=0.163
MAX-ISO-POLY-3	(e)	P=0.324	P=0.124

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	5/52 (10%)	41/49 (84%)	20/49 (41%)
POLY-3 RATE (b)	5/36.65	41/45.25	20/44.95
POLY-3 PERCENT (g)	13.6%	90.6%	44.5%
TERMINAL (d)	1/21 (5%)	23/25 (92%)	9/25 (36%)
FIRST INCIDENCE	495	433	207

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.002**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.002**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Fatty Change Diffuse

LESION RATES

OVERALL (a)	1/52 (2%)	48/49 (98%)	8/49 (16%)
POLY-3 RATE (b)	1/35.28	48/48.86	8/42.66
POLY-3 PERCENT (g)	2.8%	98.2%	18.8%
TERMINAL (d)	0/21 (0%)	25/25 (100%)	4/25 (16%)
FIRST INCIDENCE	692	54	207

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.032*
POLY 1.5	P<0.001**	P<0.001**	P=0.023*
POLY 6	P<0.001**	P<0.001**	P=0.043*
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.012*
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.023*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Fatty Change Focal

LESION RATES

OVERALL (a)	2/52 (4%)	0/49 (0%)	9/49 (18%)
POLY-3 RATE (b)	2/35.50	0/39.26	9/41.17
POLY-3 PERCENT (g)	5.6%	0%	21.9%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	6/25 (24%)
FIRST INCIDENCE	624	---	567

STATISTICAL TESTS

POLY 3	P=0.259	P=0.215N	P=0.043*
POLY 1.5	P=0.220	P=0.231N	P=0.032*
POLY 6	P=0.302	P=0.199N	P=0.059
COCH-ARM / FISHERS	P=0.194	P=0.263N	P=0.020*
MAX-ISO-POLY-3	(e)	P=0.078N	P=0.029*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	19/52 (37%)	21/49 (43%)	31/49 (63%)
POLY-3 RATE (b)	19/43.02	21/41.61	31/44.73
POLY-3 PERCENT (g)	44.2%	50.5%	69.3%
TERMINAL (d)	3/21 (14%)	15/25 (60%)	18/25 (72%)
FIRST INCIDENCE	378	433	433

STATISTICAL TESTS

POLY 3	P=0.051	P=0.355	P=0.011*
POLY 1.5	P=0.043*	P=0.335	P=0.009**
POLY 6	P=0.050*	P=0.345	P=0.013*
COCH-ARM / FISHERS	P=0.039*	P=0.328	P=0.006**
MAX-ISO-POLY-3	(e)	P=0.278	P=0.008**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
Hyperplasia

LESION RATES

OVERALL (a)	0/52 (0%)	43/49 (88%)	4/49 (8%)
POLY-3 RATE (b)	0/35.12	43/44.40	4/40.15
POLY-3 PERCENT (g)	0%	96.8%	10%
TERMINAL (d)	0/21 (0%)	25/25 (100%)	2/25 (8%)
FIRST INCIDENCE	---	433	657

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.078
POLY 1.5	P<0.001**	P<0.001**	P=0.068
POLY 6	P<0.001**	P<0.001**	P=0.092
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.052
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.036*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Liver
 Inflammation**

LESION RATES

OVERALL (a)	21/52 (40%)	44/49 (90%)	47/49 (96%)
POLY-3 RATE (b)	21/39.27	44/48.47	47/48.41
POLY-3 PERCENT (g)	53.5%	90.8%	97.1%
TERMINAL (d)	14/21 (67%)	22/25 (88%)	24/25 (96%)
FIRST INCIDENCE	320	54	207

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Mixed Cell Focus

LESION RATES

OVERALL (a)	21/52 (40%)	7/49 (14%)	36/49 (73%)
POLY-3 RATE (b)	21/36.44	7/39.32	36/43.95
POLY-3 PERCENT (g)	57.6%	17.8%	81.9%
TERMINAL (d)	17/21 (81%)	6/25 (24%)	24/25 (96%)
FIRST INCIDENCE	575	718	433

STATISTICAL TESTS

POLY 3	P=0.394N	P<0.001N**	P=0.007**
POLY 1.5	P=0.575N	P<0.001N**	P=0.002**
POLY 6	P=0.215N	P<0.001N**	P=0.030*
COCH-ARM / FISHERS	P=0.406	P=0.003N**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.007**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Necrosis

LESION RATES

OVERALL (a)	1/52 (2%)	22/49 (45%)	14/49 (29%)
POLY-3 RATE (b)	1/35.59	22/44.52	14/43.52
POLY-3 PERCENT (g)	2.8%	49.4%	32.2%
TERMINAL (d)	0/21 (0%)	11/25 (44%)	4/25 (16%)
FIRST INCIDENCE	593	54	302

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=0.002**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Pigmentation

LESION RATES

OVERALL (a)	1/52 (2%)	48/49 (98%)	43/49 (88%)
POLY-3 RATE (b)	1/35.63	48/48.00	43/46.66
POLY-3 PERCENT (g)	2.8%	100%	92.2%
TERMINAL (d)	0/21 (0%)	25/25 (100%)	23/25 (92%)
FIRST INCIDENCE	575	54	302

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver
 Toxic Hepatopathy

LESION RATES

OVERALL (a)	0/52 (0%)	46/49 (94%)	36/49 (73%)
POLY-3 RATE (b)	0/35.12	46/47.00	36/46.03
POLY-3 PERCENT (g)	0%	97.9%	78.2%
TERMINAL (d)	0/21 (0%)	24/25 (96%)	18/25 (72%)
FIRST INCIDENCE	---	158	302

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Bile Duct
 Cyst

LESION RATES

OVERALL (a)	2/52 (4%)	21/49 (43%)	14/49 (29%)
POLY-3 RATE (b)	2/35.12	21/40.86	14/40.15
POLY-3 PERCENT (g)	5.7%	51.4%	34.9%
TERMINAL (d)	2/21 (10%)	16/25 (64%)	12/25 (48%)
FIRST INCIDENCE	733 (T)	433	657

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.002**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Bile Duct
 Fibrosis

LESION RATES

OVERALL (a)	2/52 (4%)	0/49 (0%)	7/49 (14%)
POLY-3 RATE (b)	2/35.12	0/39.26	7/39.81
POLY-3 PERCENT (g)	5.7%	0%	17.6%
TERMINAL (d)	2/21 (10%)	0/25 (0%)	6/25 (24%)
FIRST INCIDENCE	733 (T)	---	713

STATISTICAL TESTS

POLY 3	P=0.416	P=0.213N	P=0.109
POLY 1.5	P=0.370	P=0.230N	P=0.090
POLY 6	P=0.467	P=0.195N	P=0.132
COCH-ARM / FISHERS	P=0.327	P=0.263N	P=0.067
MAX-ISO-POLY-3	(e)	P=0.078N	P=0.069

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Liver: Bile Duct
Hyperplasia

LESION RATES

OVERALL (a)	5/52 (10%)	40/49 (82%)	25/49 (51%)
POLY-3 RATE (b)	5/35.36	40/43.82	25/42.15
POLY-3 PERCENT (g)	14.1%	91.3%	59.3%
TERMINAL (d)	4/21 (19%)	24/25 (96%)	16/25 (64%)
FIRST INCIDENCE	669	459	545

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Liver: Centrilobular
Degeneration

LESION RATES

OVERALL (a)	1/52 (2%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/35.59	1/39.48	2/39.96
POLY-3 PERCENT (g)	2.8%	2.5%	5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	1/25 (4%)
FIRST INCIDENCE	593	673	671

STATISTICAL TESTS

POLY 3	P=0.608	P=0.737N	P=0.540
POLY 1.5	P=0.582	P=0.755N	P=0.517
POLY 6	P=0.636	P=0.717N	P=0.564
COCH-ARM / FISHERS	P=0.548	P=0.737	P=0.478
MAX-ISO-POLY-3	(e)	P=0.471N	P=0.326

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Hepatocyte
 Hypertrophy

LESION RATES

OVERALL (a)	0/52 (0%)	48/49 (98%)	30/49 (61%)
POLY-3 RATE (b)	0/35.12	48/48.00	30/45.58
POLY-3 PERCENT (g)	0%	100%	65.8%
TERMINAL (d)	0/21 (0%)	25/25 (100%)	14/25 (56%)
FIRST INCIDENCE	---	54	207

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Hepatocyte
 Multinucleated

LESION RATES

OVERALL (a)	0/52 (0%)	43/49 (88%)	32/49 (65%)
POLY-3 RATE (b)	0/35.12	43/47.35	32/45.74
POLY-3 PERCENT (g)	0%	90.8%	70%
TERMINAL (d)	0/21 (0%)	23/25 (92%)	18/25 (72%)
FIRST INCIDENCE	---	54	302

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Liver: Oval Cell
 Hyperplasia

LESION RATES

OVERALL (a)	0/52 (0%)	46/49 (94%)	29/49 (59%)
POLY-3 RATE (b)	0/35.12	46/46.01	29/43.02
POLY-3 PERCENT (g)	0%	100%	67.4%
TERMINAL (d)	0/21 (0%)	25/25 (100%)	17/25 (68%)
FIRST INCIDENCE	---	433	545

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung
 Inflammation**

LESION RATES

OVERALL (a)	5/51 (10%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	5/35.33	2/39.35	2/39.94
POLY-3 PERCENT (g)	14.2%	5.1%	5%
TERMINAL (d)	4/21 (19%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	658	711	680

STATISTICAL TESTS

POLY 3	P=0.102N	P=0.172N	P=0.167N
POLY 1.5	P=0.121N	P=0.201N	P=0.191N
POLY 6	P=0.084N	P=0.143N	P=0.143N
COCH-ARM / FISHERS	P=0.144N	P=0.226N	P=0.226N
MAX-ISO-POLY-3	(e)	P=0.101N	P=0.099N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung
 Metaplasia**

LESION RATES

OVERALL (a)	1/51 (2%)	13/50 (26%)	0/50 (0%)
POLY-3 RATE (b)	1/35.05	13/40.02	0/39.74
POLY-3 PERCENT (g)	2.9%	32.5%	0%
TERMINAL (d)	1/21 (5%)	8/25 (32%)	0/25 (0%)
FIRST INCIDENCE	733 (T)	672	---

STATISTICAL TESTS

POLY 3	P=0.034*	P<0.001**	P=0.475N
POLY 1.5	P=0.026*	P<0.001**	P=0.488N
POLY 6	P=0.044*	P=0.002**	P=0.461N
COCH-ARM / FISHERS	P=0.028*	P<0.001**	P=0.505N
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.159N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	4/51 (8%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	4/35.21	0/39.26	3/39.74
POLY-3 PERCENT (g)	11.4%	0%	7.6%
TERMINAL (d)	3/21 (14%)	0/25 (0%)	3/25 (12%)
FIRST INCIDENCE	692	---	733 (T)

STATISTICAL TESTS

POLY 3	P=0.133N	P=0.047N*	P=0.434N
POLY 1.5	P=0.155N	P=0.055N	P=0.467N
POLY 6	P=0.113N	P=0.038N*	P=0.398N
COCH-ARM / FISHERS	P=0.176N	P=0.061N	P=0.511N
MAX-ISO-POLY-3	(e)	P=0.019N*	P=0.298N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lung: Alveolar Epithelium
 Metaplasia Bronchiolar**

LESION RATES

OVERALL (a)	6/51 (12%)	40/50 (80%)	32/50 (64%)
POLY-3 RATE (b)	6/35.05	40/44.86	32/44.51
POLY-3 PERCENT (g)	17.1%	89.2%	71.9%
TERMINAL (d)	6/21 (29%)	23/25 (92%)	17/25 (68%)
FIRST INCIDENCE	733 (T)	459	545

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**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Lung: Alveolus
Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	36/51 (71%)	40/50 (80%)	40/50 (80%)
POLY-3 RATE (b)	36/44.55	40/44.32	40/45.42
POLY-3 PERCENT (g)	80.8%	90.3%	88.1%
TERMINAL (d)	16/21 (76%)	22/25 (88%)	22/25 (88%)
FIRST INCIDENCE	320	484	545

.....
STATISTICAL TESTS

POLY 3	P=0.128	P=0.148	P=0.237
POLY 1.5	P=0.082	P=0.099	P=0.185
POLY 6	P=0.219	P=0.243	P=0.325
COCH-ARM / FISHERS	P=0.137	P=0.194	P=0.194
MAX-ISO-POLY-3	(e)	P=0.085	P=0.154

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Lymph Node, Mandibular
 Hyperplasia**

LESION RATES

OVERALL (a)	24/51 (47%)	19/51 (37%)	22/50 (44%)
POLY-3 RATE (b)	24/39.84	19/40.86	22/40.91
POLY-3 PERCENT (g)	60.2%	46.5%	53.8%
TERMINAL (d)	13/21 (62%)	14/25 (56%)	17/25 (68%)
FIRST INCIDENCE	495	652	630

STATISTICAL TESTS

POLY 3	P=0.189N	P=0.145N	P=0.352N
POLY 1.5	P=0.236N	P=0.188N	P=0.395N
POLY 6	P=0.156N	P=0.114N	P=0.325N
COCH-ARM / FISHERS	P=0.279N	P=0.211N	P=0.457N
MAX-ISO-POLY-3	(e)	P=0.100N	P=0.273N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Lymph Node, Mesenteric
Hemorrhage

LESION RATES

OVERALL (a)	0/52 (0%)	0/47 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	0/37.63	2/40.29
POLY-3 PERCENT (g)	0%	0%	5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	642

STATISTICAL TESTS

POLY 3	P=0.422	(e)	P=0.269
POLY 1.5	P=0.400	(e)	P=0.251
POLY 6	P=0.447	(e)	P=0.290
COCH-ARM / FISHERS	P=0.381	(e)	P=0.233
MAX-ISO-POLY-3	(e)	(e)	P=0.108

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mammary Gland
 Cyst**

LESION RATES

OVERALL (a)	1/52 (2%)	0/50 (0%)	5/50 (10%)
POLY-3 RATE (b)	1/35.12	0/39.93	5/40.05
POLY-3 PERCENT (g)	2.9%	0%	12.5%
TERMINAL (d)	1/21 (5%)	0/25 (0%)	3/25 (12%)
FIRST INCIDENCE	733 (T)	---	672

STATISTICAL TESTS

POLY 3	P=0.383	P=0.474N	P=0.133
POLY 1.5	P=0.347	P=0.490N	P=0.115
POLY 6	P=0.420	P=0.458N	P=0.156
COCH-ARM / FISHERS	P=0.314	P=0.510N	P=0.094
MAX-ISO-POLY-3	(e)	P=0.160N	P=0.075

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Mammary Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	4/52 (8%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	4/35.52	1/39.93	4/39.74
POLY-3 PERCENT (g)	11.3%	2.5%	10.1%
TERMINAL (d)	2/21 (10%)	1/25 (4%)	4/25 (16%)
FIRST INCIDENCE	658	733 (T)	733 (T)

STATISTICAL TESTS

POLY 3	P=0.297N	P=0.144N	P=0.581N
POLY 1.5	P=0.333N	P=0.165N	P=0.616N
POLY 6	P=0.264N	P=0.125N	P=0.547N
COCH-ARM / FISHERS	P=0.380N	P=0.194N	P=0.620
MAX-ISO-POLY-3	(e)	P=0.075N	P=0.436N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Mammary Gland
Inflammation Granulomatous

LESION RATES

OVERALL (a)	0/52 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/35.12	0/39.93	4/39.83
POLY-3 PERCENT (g)	0%	0%	10%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	718

STATISTICAL TESTS

POLY 3	P=0.216	(e)	P=0.077
POLY 1.5	P=0.194	(e)	P=0.067
POLY 6	P=0.240	(e)	P=0.089
COCH-ARM / FISHERS	P=0.177	(e)	P=0.054
MAX-ISO-POLY-3	(e)	(e)	P=0.034*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Mesentery: Artery
 Inflammation Chronic

LESION RATES

OVERALL (a)	1/2 (50%)	8/9 (89%)	5/9 (56%)
POLY-3 RATE (b)	1/1.00	8/8.25	5/8.21
POLY-3 PERCENT (g)	99.6%	97%	60.9%
TERMINAL (d)	1/1 (100%)	4/4 (100%)	3/3 (100%)
FIRST INCIDENCE	733 (T)	672	718

STATISTICAL TESTS

POLY 3	P=0.760N	P=1.000N	P=0.606N
POLY 1.5	P=0.743N	P=0.989	P=0.604N
POLY 6	P=0.833N	P=1.000N	P=0.654N
COCH-ARM / FISHERS	P=0.565	P=0.345	P=0.727
MAX-ISO-POLY-3	(e)	P=0.437N	P=0.330N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Nose
 Inflammation**

LESION RATES

OVERALL (a)	1/52 (2%)	23/52 (44%)	8/50 (16%)
POLY-3 RATE (b)	1/35.77	23/41.99	8/41.49
POLY-3 PERCENT (g)	2.8%	54.8%	19.3%
TERMINAL (d)	0/21 (0%)	14/25 (56%)	3/25 (12%)
FIRST INCIDENCE	516	484	433

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.027*
POLY 1.5	P<0.001**	P<0.001**	P=0.020*
POLY 6	P<0.001**	P<0.001**	P=0.037*
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.013*
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.017*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Nose: Respiratory Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	5/52 (10%)	27/52 (52%)	9/50 (18%)
POLY-3 RATE (b)	5/38.42	27/43.18	9/40.54
POLY-3 PERCENT (g)	13%	62.5%	22.2%
TERMINAL (d)	1/21 (5%)	19/25 (76%)	6/25 (24%)
FIRST INCIDENCE	119	75	567

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.218
POLY 1.5	P<0.001**	P<0.001**	P=0.192
POLY 6	P<0.001**	P<0.001**	P=0.251
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P=0.173
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.149

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Ovary
Cyst

LESION RATES

OVERALL (a)	8/52 (15%)	7/48 (15%)	10/49 (20%)
POLY-3 RATE (b)	8/37.29	7/38.60	10/40.84
POLY-3 PERCENT (g)	21.5%	18.1%	24.5%
TERMINAL (d)	4/21 (19%)	5/25 (20%)	5/25 (20%)
FIRST INCIDENCE	446	677	582

STATISTICAL TESTS

POLY 3	P=0.593	P=0.470N	P=0.480
POLY 1.5	P=0.534	P=0.520N	P=0.427
POLY 6	P=0.534N	P=0.417N	P=0.538
COCH-ARM / FISHERS	P=0.459	P=0.568N	P=0.345
MAX-ISO-POLY-3	(e)	P=0.362N	P=0.380

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Ovary
 Inflammation**

LESION RATES

OVERALL (a)	0/52 (0%)	2/48 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/35.12	2/38.30	1/39.73
POLY-3 PERCENT (g)	0%	5.2%	2.5%
TERMINAL (d)	0/21 (0%)	2/25 (8%)	1/25 (4%)
FIRST INCIDENCE	---	733 (T)	733 (T)

STATISTICAL TESTS

POLY 3	P=0.300	P=0.257	P=0.525
POLY 1.5	P=0.280	P=0.238	P=0.511
POLY 6	P=0.322	P=0.278	P=0.539
COCH-ARM / FISHERS	P=0.252	P=0.228	P=0.485
MAX-ISO-POLY-3	(e)	P=0.098	P=0.191

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas
 Inflammation Chronic**

LESION RATES

OVERALL (a)	0/52 (0%)	2/47 (4%)	4/49 (8%)
POLY-3 RATE (b)	0/35.12	2/38.61	4/40.54
POLY-3 PERCENT (g)	0%	5.2%	9.9%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	---	459	589

STATISTICAL TESTS

POLY 3	P=0.118	P=0.259	P=0.080
POLY 1.5	P=0.099	P=0.237	P=0.068
POLY 6	P=0.143	P=0.285	P=0.095
COCH-ARM / FISHERS	P=0.080	P=0.223	P=0.052
MAX-ISO-POLY-3	(e)	P=0.101	P=0.038*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Pancreas: Acinus
 Atrophy Focal

LESION RATES

OVERALL (a)	4/52 (8%)	1/47 (2%)	4/49 (8%)
POLY-3 RATE (b)	4/35.79	1/38.03	4/40.54
POLY-3 PERCENT (g)	11.2%	2.6%	9.9%
TERMINAL (d)	3/21 (14%)	0/25 (0%)	2/25 (8%)
FIRST INCIDENCE	503	617	589

STATISTICAL TESTS

POLY 3	P=0.312N	P=0.159N	P=0.574N
POLY 1.5	P=0.352N	P=0.183N	P=0.614N
POLY 6	P=0.270N	P=0.134N	P=0.529N
COCH-ARM / FISHERS	P=0.404N	P=0.214N	P=0.608
MAX-ISO-POLY-3	(e)	P=0.082N	P=0.430N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Acinus
 Vacuolization Cytoplasmic**

LESION RATES

OVERALL (a)	0/52 (0%)	42/47 (89%)	10/49 (20%)
POLY-3 RATE (b)	0/35.12	42/43.26	10/41.44
POLY-3 PERCENT (g)	0%	97.1%	24.1%
TERMINAL (d)	0/21 (0%)	24/25 (96%)	5/25 (20%)
FIRST INCIDENCE	---	433	433

STATISTICAL TESTS

POLY 3	P<0.001**	P<0.001**	P=0.002**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	(e)	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Pancreas: Artery
 Inflammation Chronic

LESION RATES

OVERALL (a)	1/52 (2%)	12/47 (26%)	5/49 (10%)
POLY-3 RATE (b)	1/35.12	12/38.70	5/40.16
POLY-3 PERCENT (g)	2.9%	31%	12.5%
TERMINAL (d)	1/21 (5%)	9/25 (36%)	2/25 (8%)
FIRST INCIDENCE	733 (T)	567	672

STATISTICAL TESTS

POLY 3	P=0.012*	P<0.001**	P=0.134
POLY 1.5	P=0.008**	P<0.001**	P=0.114
POLY 6	P=0.019*	P=0.003**	P=0.158
COCH-ARM / FISHERS	P=0.006**	P<0.001**	P=0.089
MAX-ISO-POLY-3 (e)		P<0.001**	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Duct
 Dilatation**

LESION RATES

OVERALL (a)	0/52 (0%)	3/47 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	3/38.92	0/39.73
POLY-3 PERCENT (g)	0%	7.7%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	459	---

STATISTICAL TESTS

POLY 3	P=0.296	P=0.138	(e)
POLY 1.5	P=0.277	P=0.119	(e)
POLY 6	P=0.316	P=0.162	(e)
COCH-ARM / FISHERS	P=0.249	P=0.103	(e)
MAX-ISO-POLY-3	(e)	P=0.058	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pancreas: Duct
 Inflammation**

LESION RATES

OVERALL (a)	0/52 (0%)	2/47 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	2/38.16	0/39.73
POLY-3 PERCENT (g)	0%	5.2%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	617	---

STATISTICAL TESTS

POLY 3	P=0.428	P=0.256	(e)
POLY 1.5	P=0.410	P=0.235	(e)
POLY 6	P=0.446	P=0.282	(e)
COCH-ARM / FISHERS	P=0.381	P=0.223	(e)
MAX-ISO-POLY-3	(e)	P=0.099	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS**

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

**Pituitary Gland: Pars Distalis
Hyperplasia**

LESION RATES

OVERALL (a)	10/52 (19%)	10/52 (19%)	10/50 (20%)
POLY-3 RATE (b)	10/36.06	10/40.49	10/40.59
POLY-3 PERCENT (g)	27.7%	24.7%	24.6%
TERMINAL (d)	8/21 (38%)	6/25 (24%)	7/25 (28%)
FIRST INCIDENCE	516	623	617

.....
STATISTICAL TESTS

POLY 3	P=0.452N	P=0.484N	P=0.481N
POLY 1.5	P=0.531N	P=0.558N	P=0.548N
POLY 6	P=0.368N	P=0.401N	P=0.407N
COCH-ARM / FISHERS	P=0.563	P=0.598N	P=0.560
MAX-ISO-POLY-3	(e)	P=0.385N	P=0.384N

.....

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	42/52 (81%)	34/47 (72%)	43/49 (88%)
POLY-3 RATE (b)	42/48.24	34/41.98	43/47.43
POLY-3 PERCENT (g)	87.1%	81%	90.7%
TERMINAL (d)	17/21 (81%)	21/25 (84%)	23/25 (92%)
FIRST INCIDENCE	291	433	302

STATISTICAL TESTS

POLY 3	P=0.556N	P=0.297N	P=0.403
POLY 1.5	P=0.591N	P=0.307N	P=0.337
POLY 6	P=0.534N	P=0.306N	P=0.472
COCH-ARM / FISHERS	P=0.554N	P=0.226N	P=0.246
MAX-ISO-POLY-3	(e)	P=0.210N	P=0.279

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Spleen
 Pigmentation**

LESION RATES

OVERALL (a)	39/52 (75%)	28/47 (60%)	31/49 (63%)
POLY-3 RATE (b)	39/46.36	28/45.26	31/44.56
POLY-3 PERCENT (g)	84.1%	61.9%	69.6%
TERMINAL (d)	18/21 (86%)	12/25 (48%)	19/25 (76%)
FIRST INCIDENCE	320	54	207

STATISTICAL TESTS

POLY 3	P=0.014N*	P=0.010N**	P=0.064N
POLY 1.5	P=0.024N*	P=0.021N*	P=0.080N
POLY 6	P=0.008N**	P=0.004N**	P=0.053N
COCH-ARM / FISHERS	P=0.069N	P=0.077N	P=0.144N
MAX-ISO-POLY-3	(e)	P=0.006N**	P=0.037N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Spleen: Lymphoid Follicle
 Atrophy

LESION RATES

OVERALL (a)	3/52 (6%)	3/47 (6%)	1/49 (2%)
POLY-3 RATE (b)	3/36.51	3/38.54	1/40.09
POLY-3 PERCENT (g)	8.2%	7.8%	2.5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	512	620	630

STATISTICAL TESTS

POLY 3	P=0.410N	P=0.638N	P=0.272N
POLY 1.5	P=0.439N	P=0.653	P=0.291N
POLY 6	P=0.382N	P=0.598N	P=0.254N
COCH-ARM / FISHERS	P=0.487N	P=0.612	P=0.332N
MAX-ISO-POLY-3	(e)	P=0.473N	P=0.145N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Spleen: Red Pulp
 Atrophy

LESION RATES

OVERALL (a)	0/52 (0%)	3/47 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/35.12	3/38.54	0/39.73
POLY-3 PERCENT (g)	0%	7.8%	0%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	620	---

STATISTICAL TESTS

POLY 3	P=0.296	P=0.136	(e)
POLY 1.5	P=0.277	P=0.118	(e)
POLY 6	P=0.316	P=0.160	(e)
COCH-ARM / FISHERS	P=0.249	P=0.103	(e)
MAX-ISO-POLY-3	(e)	P=0.056	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach
 Hyperplasia**

LESION RATES

OVERALL (a)	0/52 (0%)	3/51 (6%)	5/49 (10%)
POLY-3 RATE (b)	0/35.12	3/40.68	5/40.89
POLY-3 PERCENT (g)	0%	7.4%	12.2%
TERMINAL (d)	0/21 (0%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	---	567	575

STATISTICAL TESTS

POLY 3	P=0.068	P=0.147	P=0.045*
POLY 1.5	P=0.054	P=0.129	P=0.036*
POLY 6	P=0.086	P=0.168	P=0.057
COCH-ARM / FISHERS	P=0.043*	P=0.118	P=0.024*
MAX-ISO-POLY-3	(e)	P=0.063	P=0.023*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Stomach, Forestomach
 Inflammation**

LESION RATES

OVERALL (a)	2/52 (4%)	1/51 (2%)	4/49 (8%)
POLY-3 RATE (b)	2/35.62	1/39.93	4/40.65
POLY-3 PERCENT (g)	5.6%	2.5%	9.8%
TERMINAL (d)	0/21 (0%)	1/25 (4%)	1/25 (4%)
FIRST INCIDENCE	662	733 (T)	575

STATISTICAL TESTS

POLY 3	P=0.605	P=0.460N	P=0.399
POLY 1.5	P=0.570	P=0.485N	P=0.364
POLY 6	P=0.638	P=0.436N	P=0.436
COCH-ARM / FISHERS	P=0.534	P=0.507N	P=0.311
MAX-ISO-POLY-3	(e)	P=0.259N	P=0.265

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	2/52 (4%)	0/51 (0%)	3/49 (6%)
POLY-3 RATE (b)	2/35.62	0/39.93	3/40.14
POLY-3 PERCENT (g)	5.6%	0%	7.5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	1/25 (4%)
FIRST INCIDENCE	662	---	642

STATISTICAL TESTS

POLY 3	P=0.522N	P=0.212N	P=0.554
POLY 1.5	P=0.551N	P=0.227N	P=0.524
POLY 6	P=0.493N	P=0.198N	P=0.584
COCH-ARM / FISHERS	P=0.580N	P=0.252N	P=0.472
MAX-ISO-POLY-3	(e)	P=0.076N	P=0.380

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Stomach, Glandular
Erosion

LESION RATES

OVERALL (a)	0/52 (0%)	0/51 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	0/39.93	2/40.89
POLY-3 PERCENT (g)	0%	0%	4.9%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	302

STATISTICAL TESTS

POLY 3	P=0.423	(e)	P=0.273
POLY 1.5	P=0.402	(e)	P=0.254
POLY 6	P=0.445	(e)	P=0.293
COCH-ARM / FISHERS	P=0.391	(e)	P=0.233
MAX-ISO-POLY-3	(e)	(e)	P=0.112

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Thymus
Atrophy

LESION RATES

OVERALL (a)	41/51 (80%)	44/49 (90%)	46/50 (92%)
POLY-3 RATE (b)	41/47.18	44/44.79	46/48.03
POLY-3 PERCENT (g)	86.9%	98.2%	95.8%
TERMINAL (d)	17/21 (81%)	24/24 (100%)	23/25 (92%)
FIRST INCIDENCE	320	433	302

STATISTICAL TESTS

POLY 3	P=0.019*	P=0.033*	P=0.105
POLY 1.5	P=0.010**	P=0.024*	P=0.070
POLY 6	P=0.041*	P=0.051	P=0.172
COCH-ARM / FISHERS	P=0.058	P=0.150	P=0.080
MAX-ISO-POLY-3	(e)	P=0.013*	P=0.052

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thymus
 Hemorrhage**

LESION RATES

OVERALL (a)	0/51 (0%)	3/49 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/35.05	3/41.26	0/39.74
POLY-3 PERCENT (g)	0%	7.3%	0%
TERMINAL (d)	0/21 (0%)	0/24 (0%)	0/25 (0%)
FIRST INCIDENCE	---	54	---

STATISTICAL TESTS

POLY 3	P=0.297	P=0.150	(e)
POLY 1.5	P=0.280	P=0.134	(e)
POLY 6	P=0.317	P=0.171	(e)
COCH-ARM / FISHERS	P=0.261	P=0.114	(e)
MAX-ISO-POLY-3	(e)	P=0.067	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Thymus: Artery
Inflammation Chronic

LESION RATES

OVERALL (a)	0/51 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/35.05	2/38.79	0/39.74
POLY-3 PERCENT (g)	0%	5.2%	0%
TERMINAL (d)	0/21 (0%)	1/24 (4%)	0/25 (0%)
FIRST INCIDENCE	---	567	---

STATISTICAL TESTS

POLY 3	P=0.430	P=0.260	(e)
POLY 1.5	P=0.414	P=0.241	(e)
POLY 6	P=0.448	P=0.283	(e)
COCH-ARM / FISHERS	P=0.393	P=0.238	(e)
MAX-ISO-POLY-3	(e)	P=0.099	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thyroid Gland: C-Cell
 Hyperplasia**

LESION RATES

OVERALL (a)	10/51 (20%)	11/49 (22%)	9/50 (18%)
POLY-3 RATE (b)	10/36.01	11/40.25	9/41.40
POLY-3 PERCENT (g)	27.8%	27.3%	21.7%
TERMINAL (d)	8/21 (38%)	9/25 (36%)	4/25 (16%)
FIRST INCIDENCE	503	433	433

STATISTICAL TESTS

POLY 3	P=0.443N	P=0.585N	P=0.362N
POLY 1.5	P=0.524N	P=0.539	P=0.430N
POLY 6	P=0.356N	P=0.500N	P=0.291N
COCH-ARM / FISHERS	P=0.551	P=0.459	P=0.519N
MAX-ISO-POLY-3	(e)	P=0.483N	P=0.282N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Thyroid Gland: Follicular Cell
 Hypertrophy**

LESION RATES

OVERALL (a)	6/51 (12%)	23/49 (47%)	12/50 (24%)
POLY-3 RATE (b)	6/37.84	23/43.61	12/44.06
POLY-3 PERCENT (g)	15.9%	52.7%	27.2%
TERMINAL (d)	1/21 (5%)	13/25 (52%)	3/25 (12%)
FIRST INCIDENCE	446	54	302

STATISTICAL TESTS

POLY 3	P=0.006**	P<0.001**	P=0.165
POLY 1.5	P=0.003**	P<0.001**	P=0.129
POLY 6	P=0.012*	P<0.001**	P=0.210
COCH-ARM / FISHERS	P=0.002**	P<0.001**	P=0.089
MAX-ISO-POLY-3	(e)	P<0.001**	P=0.124

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Tooth: Peridental Tissue
Inflammation

LESION RATES

OVERALL (a)	7/10 (70%)	6/7 (86%)	7/7 (100%)
POLY-3 RATE (b)	7/7.98	6/7.00	7/7.00
POLY-3 PERCENT (g)	87.7%	85.7%	100%
TERMINAL (d)	4/4 (100%)	4/5 (80%)	6/6 (100%)
FIRST INCIDENCE	516	718	545

STATISTICAL TESTS

POLY 3	P=0.642	P=0.744N	P=0.538
POLY 1.5	P=0.515	P=0.732	P=0.404
POLY 6	P=0.737	P=0.700N	P=0.667
COCH-ARM / FISHERS	P=0.177	P=0.441	P=0.176
MAX-ISO-POLY-3	(e)	P=0.455N	P=0.144

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 105 WEEKS

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

Ureter
Cyst

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	2/2.00
POLY-3 PERCENT (g)	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	642

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Uterus
 Hemorrhage

LESION RATES

OVERALL (a)	0/52 (0%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/35.12	1/39.16	2/40.33
POLY-3 PERCENT (g)	0%	2.6%	5%
TERMINAL (d)	0/21 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	---	711	630

STATISTICAL TESTS

POLY 3	P=0.301	P=0.522	P=0.269
POLY 1.5	P=0.279	P=0.506	P=0.251
POLY 6	P=0.326	P=0.539	P=0.290
COCH-ARM / FISHERS	P=0.254	P=0.485	P=0.233
MAX-ISO-POLY-3	(e)	P=0.188	P=0.109

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

**Uterus
 Inflammation**

LESION RATES

OVERALL (a)	4/52 (8%)	4/49 (8%)	10/49 (20%)
POLY-3 RATE (b)	4/36.67	4/39.16	10/41.68
POLY-3 PERCENT (g)	10.9%	10.2%	24%
TERMINAL (d)	1/21 (5%)	3/25 (12%)	4/25 (16%)
FIRST INCIDENCE	446	711	582

STATISTICAL TESTS

POLY 3	P=0.261	P=0.608N	P=0.111
POLY 1.5	P=0.220	P=0.642N	P=0.086
POLY 6	P=0.308	P=0.573N	P=0.145
COCH-ARM / FISHERS	P=0.179	P=0.608	P=0.059
MAX-ISO-POLY-3	(e)	P=0.462N	P=0.079

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Uterus
 Metaplasia

LESION RATES

OVERALL (a)	29/52 (56%)	5/49 (10%)	23/49 (47%)
POLY-3 RATE (b)	29/45.63	5/39.87	23/42.81
POLY-3 PERCENT (g)	63.6%	12.5%	53.7%
TERMINAL (d)	11/21 (52%)	3/25 (12%)	14/25 (56%)
FIRST INCIDENCE	291	484	433

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.228N
POLY 1.5	P<0.001N**	P<0.001N**	P=0.226N
POLY 6	P<0.001N**	P<0.001N**	P=0.242N
COCH-ARM / FISHERS	P<0.001N**	P<0.001N**	P=0.246N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.170N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
 Time Report Requested: 11:10:08
 First Dose M/F: NA / 03/26/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 105 WEEKS**

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

Uterus: Endometrium
 Hyperplasia Cystic

LESION RATES

OVERALL (a)	28/52 (54%)	9/49 (18%)	21/49 (43%)
POLY-3 RATE (b)	28/41.37	9/40.28	21/43.09
POLY-3 PERCENT (g)	67.7%	22.4%	48.7%
TERMINAL (d)	15/21 (71%)	4/25 (16%)	14/25 (56%)
FIRST INCIDENCE	320	484	433

STATISTICAL TESTS

POLY 3	P<0.001N**	P<0.001N**	P=0.051N
POLY 1.5	P<0.001N**	P<0.001N**	P=0.087N
POLY 6	P<0.001N**	P<0.001N**	P=0.029N*
COCH-ARM / FISHERS	P=0.005N**	P<0.001N**	P=0.183N
MAX-ISO-POLY-3	(e)	P<0.001N**	P=0.036N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

TEF evaluation (PCB 118)
CAS Number: 31508-00-6

Date Report Requested: 07/14/2008
Time Report Requested: 11:10:08
First Dose M/F: NA / 03/26/04
Lab: BAT

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.
 - (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. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (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
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***