

Summary Report

104-Week Dietary Chronic Toxicity and Carcinogenicity Study
with Perfluorooctane Sulfonic Acid Potassium
Salt (PFOS: T-6295) in Rats

T-6295.4

PREPARED FOR:
3M

COVANCE STUDY NUMBER:
6329-183

SUMMARY REPORT - WEEK 53

104 Week Dietary Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Timeline

Covance 6329-183:

In-life start date: April 20, 1998

Week 53 completed: April 25, 1999

Introduction

The purpose of this study is to assess the chronic toxicity and carcinogenicity of the test material, T-6295 (Perfluorooctane sulfonic acid potassium salt, PFOS), when administered in the diet to rats for at least 104 weeks. This summary report includes information through Week 53 and contains current findings; it is not, however, the final report for the study. Covance Laboratories Inc. reserves the right of review of these data before issuing a final report.

Methods

Male and female Crl:CD[®](SD)IGS BR rats were assigned to groups according to the following design:

Group	Number of Animals		Dietary Levels (ppm T-6295) ^c
	Male	Female	
1 (Control) ^{a,b,d}	70	70	0
2 (Low) ^b	60	60	0.5
3 (Mid) ^b	60	60	2.0
4 (Mid-High) ^b	70	70	5.0
5 (High) ^{b,d}	70	70	20.0
6 (Mid-High Recovery)	40	40	20.0

a The control animals received the basal diet only.

b Five animals/sex in Groups 1 through 5 were sacrificed during Weeks 4 and 14 for hepatocellular proliferation rate measurements, biochemical analyses (palmitoyl-CoA oxidation), mitochondrial activity analyses, and histopathology (Week 14 only).

c T-6295 is perfluorooctane sulfonic acid potassium (PFOS); dose levels are expressed as ppm of T-6295

d Ten animals/sex in Groups 1 and 5 were designated as interim sacrifice animals. These animals were sacrificed after at least 52 weeks of treatment..

Observation of Animals

Food was provided *ad libitum*, except when animals were fasted. Water was provided *ad libitum*. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity; findings were recorded as they were observed. At least once prior to treatment and weekly thereafter, each animal was removed from its cage and examined; abnormal findings or an indication of normal was recorded. Body weight data were recorded weekly for each animal for Weeks 1 through 17 and once every 4 weeks thereafter. Food consumption data were collected for each animal for Weeks 1 through 16 and once every 4 weeks thereafter.

Clinical Pathology. Blood and urine samples were collected for hematology, clinical chemistry, urinalysis, and urine chemistry from 10 animals/sex/group in Groups 1 through 5 during Weeks 4, 14, 27, and 53. Animals were fasted overnight, and urine was collected chilled overnight (approximately 16 hours) before blood sampling. Blood was collected from a jugular vein. The anticoagulant was potassium EDTA for hematology tests. The samples for clinical chemistry and serum samples were collected without anticoagulant. When possible, a blood film was made for possible future examination from animals sacrificed at unscheduled intervals. A blood film was also made and held for possible future examination from animals sacrificed during Week 53.

Serum PFOS Analyses. During Weeks 4 and 14, blood samples were collected for serum analyses from five animals/sex/group in Groups 1 through 5. During Week 53, blood samples were collected from five animals/sex/group in Groups 1 and 5. Animals were fasted overnight. Blood (approximately 2 mL) was collected from a jugular vein, allowed to clot at room temperature, and centrifuged. Samples were collected without anticoagulant. Serum was harvested and stored in a freezer, set to maintain -60 to -80°C, until sent to the Sponsor for analyses of PFOS levels.

Termination. During Weeks 4 and 14, five animals/sex/group/interval in Groups 1 through 5 were fasted overnight, bled for serum chemistry, anesthetized with carbon dioxide, weighed, and exsanguinated. The abdominal cavity of each animal was opened, the liver was removed and weighed. Liver samples were collected for palmitoyl-CoA, cell proliferation, and PFOS concentration analyses and for mitochondrial activity (Week 4 sacrifice only) and histopathology (Week 14 sacrifice only). Animals sacrificed during Week 4 were discarded after liver collection. During Week 53, 10 animals/sex/group from

Groups 1 and 5 were fasted overnight, bled for serum samples (five animals/sex/group), anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. The liver was weighed and liver samples were collected and frozen for analysis. Animals sacrificed during Weeks 14 and 53 had macroscopic observations recorded, selected organs weighed, and selected tissues collected and preserved. Adrenals, brain, eyes, kidneys, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries were processed and examined microscopically from animals sacrificed during Week 14 and on all tissues from the animals in Groups 1 and 5 that were necropsied during Week 53. Animals that died or were sacrificed at unscheduled intervals were also necropsied and microscopic examinations were done on selected tissues collected, but organ weights were not recorded. A blood film was taken for each animal sacrificed at unscheduled intervals and at the Week 53 interim sacrifice.

Proliferation Cell Nuclear Antigen (PCNA) Evaluation. During the Week 4 and 14 tissue collections from animals in Groups 1 through 5 (five animals/sex/group), representative samples of the left lateral lobe and any macroscopic lesions of the liver were collected and preserved in zinc formalin. Liver samples were fixed and embedded, and blocks were sent to Pathology Associates International (PAI); PAI will evaluate the samples (left lateral lobe only) for PCNA. In addition, liver sections will be stained with hematoxylin and eosin and examined microscopically.

Palmitoyl-CoA (PCoA) Oxidase Analyses. During the Week 4 and 14 tissue collections from animals in Groups 1 through 5 (five animals/sex/group), a sample (approximately 500 mg) of the right lateral lobe of the liver was collected and flash-frozen in liquid nitrogen. The samples were stored in a freezer set to maintain -60 to -80°C, until analyzed by Covance for PCoA oxidase activity.

PFOS Analysis. During the Week 4 and 14 tissue collections for animals in Groups 1 through 5 (five animals/sex/group) and Week 53 for animals in Groups 1 and 5 (five animals/sex/group), a portion of the remaining liver was flash-frozen in liquid nitrogen and stored in a freezer set to maintain -60 to -80°C, until sent to the Sponsor. The Sponsor will analyze the liver samples for PFOS and metabolites.

Mitochondrial Analyses. During the Week 4 tissue collections for animals in Groups 1 through 5, liver samples (approximately 1.5 g) were collected and analyzed by the Sponsor for mitochondrial activity.

Bromodeoxyuridine Immunohistochemistry. Seven days before the Week 53 interim sacrifice, osmotic pumps (ALZET® Model 2ML1) were surgically implanted from five animals/sex/group from Groups 1 and 5. The osmotic pumps were preloaded with approximately 2 mL of bromodeoxyuridine (BrdU) at a concentration of 20 mg/mL. The animals were anesthetized by administration of acepromazine-ketamine-xylazine, and one pump/animal was aseptically inserted subcutaneously (dorsal surface). The incision was closed with wound clips, and the animals were monitored during clinical observations until the time of sacrifice to ensure that there are no clinical signs of infection. One Group 5 male implanted with osmotic pump was sacrificed before the Week 53 sacrifice. At the Week 53 sacrifice, BrdU immunohistochemistry was performed by PAI on the livers and duodenums from the five animals/sex/group from Groups 1 and 5 that received BrdU. In addition, sections of the livers and duodenums from these animals were stained with hematoxylin and eosin and examined microscopically. Results will be provided for inclusion in the final report.

Results

Clinical Observations and Survival. Adjusted survival data are summarized in Table 1. Clinical observation data are summarized in Table 2. Survival after 53 weeks of treatment was 96.0%, 96.0%, 100%, 94.0%, 96.0%, and 100% for males in Groups 1, 2, 3, 4, 5, and 6, respectively, and 100%, 94.0%, 94.0%, 96.0%, 98.0%, and 98.0% for females in Groups 1, 2, 3, 4, 5, and 6, respectively.

There were no apparent test material-related clinical observations noted through Week 53.

Body Weights. Body weight and body weight change data are summarized in Tables 3 and 4. Males given 20.0 ppm had significantly lower mean body weights compared to those of animals given the control material during Weeks 9 through 53, and females given 20.0 ppm had significantly lower body weights compared to those of animals given the control material during Weeks 3 through 53. Mean body weights for males and females were similar in all the other treated groups compared to those of animals given the control

material. Males and females given 20.0 ppm gained less weight during the overall period from Weeks 1 through 53; the differences were statistically significant for the females. Animals at lower dose levels also had occasional statistically significant decreases in body weight gain; however, these occurrences were inconsistent over time between sexes and were not clearly dose related.

Food Consumption. Food consumption data are summarized in Table 5. Although not always statistically significant, males given 20.0 ppm tended to consume less food during Weeks 1 through 24. Food consumption was similar for males given 20.0 ppm compared to those of animals given the control material during Weeks 28 through 52. Statistically significantly lower food consumption was noted for females given 20.0 ppm during Weeks 2 through 44. Food consumption for males and females were similar in all the other treated groups compared to those of animals given the control material.

Test Material Consumption. Test material consumption data are summarized in Table 6. Animals were fed diets intended to provide 0, 0.5, 2.0, 5.0, 20.0 ppm. The amount of test material consumed by animals on a mg/kg of body weight/day basis was as follows:

Target Dose Levels (ppm)	Achieved Dose Levels - Range (mg/kg body weight/day)	
	Males	Females
0.5	0.017-0.057	0.022-0.052
2.0	0.071-0.226	0.095-0.213
5.0	0.174-0.570	0.237-0.559
20.0	0.714-2.205	1.069-2.149
20.0	0.732-2.336	1.047-2.160

Clinical and Anatomic Pathology. Hematology, clinical chemistry, urinalysis, and urine chemistry data are summarized in Tables 7 through 22. Terminal body weights, absolute organ weights, organ-to-body weight percentages, and organ-to-brain weight ratios are summarized in Tables 23 and 24. Incidences of macroscopic and microscopic observations are summarized in Tables 25 through 29.

The Pathology Report contains a discussion of the data.

Dose Analyses. Results of the homogeneity, stability, and dose preparation analyses are in Tables 30 through 32.

Several homogeneity analyses were conducted on each of several mixes in an attempt to resolve issues related to the inherent variability and lack of sufficient sensitivity in the analytical method for measuring (PFOS; T-6295). Mean values of the homogeneity analyses for the mix done on March 18, 1998, ranged from 119-135%, and 107-118% of the theoretical concentrations for the diets containing 0.5 and 20 ppm (PFOS; T-6295), respectively. Mean values of the homogeneity analyses for the mix done on April 16, 1998, ranged from 96.2-122%, 98.5-107%, 97.6-101%, and 90.0-101% of the theoretical concentrations for the diet containing 0.5, 2, 5, and 20 ppm (PFOS; T-6295), respectively. Mean values of the homogeneity analyses for the mix done on April 22, 1998, ranged from 93.5-103% of the theoretical concentrations for the diet containing 20 ppm (PFOS; T-6295). Mean values of the homogeneity analyses for the mix done on June 18, 1998, ranged from 91.0-175%, 111-130%, 99.6-102%, and 90.5-97.0% of the theoretical concentrations for the diet containing 0.5, 2, 5, and 20 ppm (PFOS; T-6295). These results indicate that the mixing procedure produced a homogeneous distribution of the test material in the dose preparations; although variability generally appeared slightly greater at the lower dietary concentrations.

Stability analyses were conducted prestudy in an attempt to resolve issues related to the inherent variability and lack of sufficient sensitivity at levels in the analytical method for measuring (PFOS; T-6295). Results of stability analyses for the mix conducted on March 18, 1998, of samples stored for 28 days at room temperature indicated that the mean concentrations were 78.8 %, 76.7%, 79.8% and 88.1% of the initial concentrations of 0.5, 1, 2, and 20 ppm, respectively. Results of stability analyses for the mix conducted on April 16, 1998, of samples stored for 33 days at room temperature indicated that the mean concentrations were 112.3%, 119.6%, 113.9% and 126.7% of the initial concentrations of 0.5, 1, 2, and 20 ppm, respectively.

The mean concentrations of the dose preparation analyses for all levels ranged from 44.4%-276% of the theoretical concentrations (including the reassay and retention sample analyses). Inherent variability and lack of sufficient sensitivity at low levels in the analytical method for measuring (PFOS; T-6295) resulted in homogeneity, stability, and routine analysis data that were in many cases outside of the standard limits of +/- 15%.

These results will be reevaluated in conjunction with the analytical results from the blood and liver level determinations when they are provided by the Sponsor.

PATHOLOGY REPORT

Week 14 and 53 Interim Sacrifices

SUMMARY

The purpose of this study is to assess the chronic toxicity and carcinogenicity of the test material, Perfluorooctane Sulfuric Acid Potassium Salt (PFOS) when administered in the diet to rats for at least 104 weeks. The test material is being administered at dose levels of 0.5, 2.0, 5.0, and 20.0 ppm. This interim report discusses findings through the first 53 weeks of study.

Dietary administration of PFOS for approximately 53 weeks was associated with mildly higher urea nitrogen for males and females fed 5.0 or 20.0 ppm; mildly lower glucose for males and females fed 20.0 ppm; mildly to moderately lower cholesterol for males and females fed 20.0 ppm; and mildly higher alanine aminotransferase for males fed 20.0 ppm. None of these effects were considered adverse. There was no effect on hepatic palmitoyl-CoA oxidase activity.

Terminal body weights in males and females at Week 14 were comparable between control and treated groups. At the Week 14 interim sacrifice, absolute and relative liver weights were significantly increased in the males given 20.0 ppm. In females given 20.0 ppm, only the liver-to-body weight percentage was significantly increased. Test material-related histomorphologic changes were limited to the liver in the males given 5.0 or 20.0 ppm and in the females given 20.0 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas in males and females, and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

At the Week 53 interim sacrifice, terminal body weights were significantly decreased in the females given 20 ppm. In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. There were no clear or consistent gross observations at the Week 53 sacrifice that could be attributed to the administration of the test material. At the Week 53 sacrifice, centrilobular hepatocytic hypertrophy and vacuolation was

increased in incidence and severity in the males given 20 ppm. In the females given 20 ppm, generally, only centrilobular hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated with the administration of the test material. Findings in livers in several unscheduled deaths given 20 ppm resembled those seen in animals sacrificed at Week 53.

METHODS

Six groups of Crl:CD¹(SD)IGS BR rats were studied using the following study design.

Group	Number of Animals		Dietary Levels (ppm T-6295)
	Male	Female	
1 (Control)	70	70	0
2 (Low)	60	60	0.5
3 (Mid)	60	60	2.0
4 (Mid-High)	60	60	5.0
5 (High)	70	70	20.0
6 (High Recovery)	40	40	20.0

During Weeks 4, 14, 27, and 53, blood and urine were collected for hematology, clinical chemistry, urinalysis, and urine chemistry tests from 10 animals/sex in Groups 1 through 5.

Five animals/sex in Groups 1 through 5 were sacrificed during Week 4; livers were collected and weighed. A portion of the liver was shipped to the Sponsor for PFOS analysis and mitochondrial activity, a portion was shipped to Pathology Associates International for hepatocellular proliferation rate measurements by proliferation cell nuclear antigen (PCNA), and a third portion was used for determination of palmitoyl-CoA oxidase activity. During Weeks 14 and 53, necropsies were performed on five and 10 animals/sex, respectively, in Groups 1 through 5. At necropsy, macroscopic observations were recorded, organ weights were obtained, and tissues were placed in fixative as specified by the protocol. In addition, liver samples were collected for PFOS analysis (Weeks 14 and 53), hepatocellular proliferation rate measurement [by PCNA at Week 14 and by bromodeoxyuridine (BrdU) immunohistochemistry at Week 53] and palmitoyl-CoA oxidase determination (Week 14). A section of duodenum was also

collected at Week 53 for BrdU immunohistochemistry. At unscheduled necropsies for animals that died or were sacrificed because of poor health, macroscopic observations were recorded, and tissues were placed in fixative, but organ weights were not obtained. Microscopic examinations were done on selected tissues (adrenals, brain, eyes, kidney, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries) from the animals necropsied during Week 14 and on all tissues from the animals in Groups 1, and 5 that were necropsied during Week 53. In addition, microscopic examinations were done on the tissues from animals that died or were sacrificed due to poor health.

Statistically significant differences cited in the Results and Discussion section are based on comparisons between the control and treated groups.

RESULTS AND DISCUSSION

Clinical Pathology

Weeks 4, 14, 27, and 53. There were relatively few statistically significant or otherwise notable differences for clinical pathology results between the control and treated groups. Those differences that were the most consistent over time were considered to be associated with administration of the test material. These included mildly higher urea nitrogen for males and females fed 5.0 or 20.0 ppm; mildly lower glucose for males and females fed 20.0 ppm; mildly to moderately lower cholesterol for males and females fed 20.0 ppm; and mildly higher alanine aminotransferase for males fed 20.0 ppm.

There were no correlative microscopic renal findings for the minor change in urea nitrogen. The findings for alanine aminotransferase, and possibly for glucose and cholesterol, were likely associated with the histopathological findings of hepatocellular hypertrophy and vacuolation. None of the clinical pathology effects were considered adverse.

Of uncertain relationship to the test material were statistically higher urea nitrogen for males fed 2.0 ppm and statistically lower glucose for females fed 2.0 or 5.0 ppm at Week 53. These findings were not as consistent over time as those considered to be effects of the test material, and the magnitudes of these differences were very small.

All other statistically significant differences for clinical pathology results between the control and treated groups were considered incidental. Most of these differences did not affect animals fed the highest dose level, and none of these differences were consistent over time.

Anatomical Pathology

Week 14, Terminal Body Weight and Organ Weights. Terminal body weights were comparable between control and treated groups. Absolute and relative liver weights were significantly increased in the males given 20.0 ppm. In females given 20.0 ppm, only the liver-to-body weight percentage was significantly increased. The absolute spleen weight was significantly decreased in the females given 20.0 ppm, as was the absolute lung weight in females given 2.0, 5.0, or 20.0 ppm. Spurious, significant increases in left thyroid/parathyroid-to-body weight percentages were seen in females given 5.0 or 20.0 ppm.

Macroscopic Observations. There were no macroscopic observations that could be attributed to the administration of the test material.

Microscopic Observations. Test material-related histomorphologic changes were limited to the liver in the males given 5.0 or 20.0 ppm and in the females given 20.0 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

There were no potentially test material-related lesions in the remaining tissues examined.

Week 53 Interim Sacrifice, Body and Organ Weights. In the females, terminal body weights were significantly decreased in the group given 20 ppm. Terminal body weights in the males were comparable between control and treated groups.

In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. Significantly decreased left thyroid/parathyroid weights were considered to be spurious due to the absence of a contralateral effect.

In view of the significant decreased in body weight in females given 20ppm, significant increases in organ-to-body weight percentages for brain, kidney, liver, and spleen may be of no toxicological importance. Decreased absolute weights in the left adrenal gland and bilateral adrenal-to-brain weight ratios may also represent changes secondary to the body weight loss.

Macroscopic Observations. There were no clear or consistent gross observations at the Week 53 sacrifice that could be attributed to the administration of the test material.

Microscopic Observations. Centrilobular hepatocytic hypertrophy and vacuolation was increased in incidence and severity in the males given 20 ppm. In the females given 20 ppm, generally, only centrilobular hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight Centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated with the administration of the test material.

Unscheduled Deaths Through Week 53

Large, mottled, or diffusely dark livers were noted in 2/3 males and 1/1 females given 20ppm. There were no other gross observations that could be attributed to the administration of the test material. Microscopically, several animals given 20 ppm exhibited liver changes that were similar or related to those seen at the Week 53 Interim Sacrifice.

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Date

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Date

Совалсе 6329-183
3М Т-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

[illegible]

Covance 6329-183
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[illegible]

Covance 6329-183
3M T-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

[illegible]

Table 2

Summary of Clinical Observations

PAGE: 1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371		NUMBER OF ANIMALS AFFECTED					
		SEX:	MALE				
CATEGORY	GROUP:	1	2	3	4	5	6
KEYWORD	DOSE:	0	0.5	2	5	20	20
QUALIFIER	NUMBER:	70	60	60	60	70	40

*** TOP OF LIST ***							
APPEARANCE							
BENT TAIL		0	1	0	0	0	1
CONVULSIONS		0	0	0	0	0	0
HEAD TILT							
LEFT		0	0	0	0	0	0
RIGHT		0	0	0	0	0	0
HUNCHED		0	0	0	1	0	0
LIMITED USE							
LIMB-HIND-LEFT		0	0	0	0	1	0
LIMBS-HIND		0	0	0	0	2	0
MALOCCLUSION		6	6	4	6	8	7
MISSING							
TAIL-DISTAL		0	0	0	0	0	0
TEETH		1	2	0	1	2	1
PARALYSIS							
LIMBS-HIND		0	1	0	0	0	0
SWOLLEN							
LIMB-HIND-LEFT		0	0	0	0	1	0
MOUTH		0	1	0	0	0	0
NOSE		0	0	0	0	0	1
PAW-HIND-LEFT		0	0	0	0	0	0
TAIL-DISTAL		0	0	0	0	0	0
VENTRAL-ABDOMINAL		0	0	0	1	0	0
TESTES		0	0	1	0	0	0
THIN		2	0	0	2	1	0

Table 2

Summary of Clinical Observations

PAGE: 2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371							
CATEGORY KEYWORD QUALIFIER	SEX:	-----MALE-----					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
NUMBER:		70	60	60	60	70	40
BEHAVIOR							
ATAXIC							
<UNSPECIFIED>		1	0	0	0	0	0
CIRCLING							
RIGHT		0	0	0	0	0	0
HYPOACTIVE							
<UNSPECIFIED>		0	0	0	1	0	0
MILD		0	0	0	0	0	0
SENSITIVE TO TOUCH		0	0	0	1	0	0
COLD TO TOUCH							
LIMBS-HIND		0	1	0	0	0	0
ENTIRE BODY		0	0	0	1	0	0
 DISCHARGE							
GENITAL							
RED IN COLOR		4	0	1	1	3	1
CLEAR ORAL							
MILD		0	0	0	1	0	0
NASAL							
RED IN COLOR		1	0	1	0	0	1
UNKNOWN							
RED IN COLOR		0	0	2	0	0	0
 EXCRETION							
FEW FECES		1	1	0	3	2	0

Table 2

Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371	NUMBER OF ANIMALS AFFECTED					
	SEX:	MALE				
CATEGORY	GROUP:	1	2	3	4	5
KEYWORD	DOSE:	0	0.5	2	5	20
QUALIFIER	NUMBER:	70	60	60	60	70
EXCRETION						
NO FECES		0	0	0	0	0
NONFORMED FECES		0	0	0	1	0
EYES						
CLEAR DISCHARGE						
EYE-LEFT		1	1	0	0	0
RED DISCHARGE						
EYE-LEFT		0	0	3	1	0
EYE-RIGHT		0	0	1	2	1
EYES		1	0	0	1	0
SCAB						
EYE-RIGHT		0	2	0	0	0
SQUINTED						
PERI-ORBITAL		0	0	0	0	0
RESPIRATION						
AUDIBLE		1	2	1	1	0
IRREGULAR		1	0	0	0	0
LABORED		0	2	0	1	0
SKIN & PELAGE						
ALOPECIA		0	0	0	0	0
BROWN HAIR COAT						
SCROTUM		1	0	0	0	0

Table 2

Summary of Clinical Observations

PAGE: 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371							
CATEGORY KEYWORD QUALIFIER	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
	NUMBER:	70	60	60	60	70	40
SKIN & PELAGE							
BLACK SKIN							
DORSAL		0	0	0	0	0	0
PALE							
ENTIRE BODY		0	0	0	1	0	0
RED HAIR COAT							
HEAD-ENTIRE		0	1	1	0	0	0
HEAD-CRANIAL		0	0	0	0	0	0
HEAD-MAXILLARY-LEFT		0	0	0	1	0	0
HEAD-MAXILLARY-RIGHT		0	0	0	1	0	0
ROUGH HAIR COAT		2	0	0	1	1	0
SORE/SCAB							
AXILLARY REGION-LEFT		0	0	0	0	0	0
DORSAL		0	0	0	0	0	1
DORSAL-CERVICAL-LEFT		0	0	0	0	1	0
DORSAL-CERVICAL-RIGHT		0	0	0	0	0	0
DORSAL-THORACIC-LEFT		0	0	0	0	1	0
DORSAL-THORACIC-RIGHT		0	0	0	0	0	0
EAR-RIGHT		0	0	0	0	0	1
HEAD-CRANIAL		0	0	0	0	0	0
HEAD-MAXILLARY-LEFT		0	0	0	0	1	0
HEAD-MAXILLARY-RIGHT		0	0	0	0	0	0
LATERAL-CERVICAL-RIGHT		0	0	0	0	0	0
LIMB-FRONT-RIGHT		0	0	0	1	1	0
MOUTH		0	0	0	0	0	1
PAW-HIND-LEFT		0	0	0	0	0	1

Table 2

Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

			NUMBER OF ANIMALS AFFECTED						
			SEX:	-----MALE-----					
CATEGORY	GROUP:		1	2	3	4	5	6	
KEYWORD	DOSE:		0	0.5	2	5	20	20	
QUALIFIER	NUMBER:		70	60	60	60	70	40	

SKIN & PELAGE									
SORE/SCAB									
SHOULDER-RIGHT			1	0	0	0	0	0	
TAIL			0	0	0	0	0	0	
VENTRAL-ABDOMINAL			1	0	1	1	1	0	
VENTRAL-ABDOMINAL-LEFT			0	1	0	1	2	0	
VENTRAL-ABDOMINAL-RIGHT			0	1	0	0	2	0	
VENTRAL-CERVICAL			0	2	0	0	0	0	
VENTRAL-CERVICAL-LEFT			0	0	0	0	0	0	
VENTRAL-CERVICAL-RIGHT			0	0	0	0	0	0	
YELLOW HAIR COAT			1	0	0	0	0	0	
MASS (ES)									
AXILLARY REGION-LEFT									
WEEK 37			0	0	0	0	0	0	
WEEK 38			0	0	0	0	0	0	
WEEK 39			0	1	0	0	0	0	
WEEK 41			0	0	0	0	0	0	
WEEK 44			0	0	0	0	0	0	
WEEK 45			0	0	0	0	0	0	
WEEK 46			0	0	0	0	0	0	
WEEK 48			0	0	0	0	0	0	
WEEK 50			0	0	0	0	0	0	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371		NUMBER OF ANIMALS AFFECTED					
		SEX:	MALE				
CATEGORY	GROUP:	1	2	3	4	5	6
KEYWORD	DOSE:	0	0.5	2	5	20	20
QUALIFIER	NUMBER:	70	60	60	60	70	40

MASS (ES)							
AXILLARY REGION-LEFT							
WEEK 51		0	0	0	0	0	0
AXILLARY REGION-RIGHT							
WEEK 36		0	0	0	0	0	0
WEEK 37		0	1	0	0	0	0
WEEK 45		0	0	0	0	0	0
WEEK 46		0	0	0	0	0	0
WEEK 48		0	0	0	0	0	0
WEEK 53		0	0	0	0	0	0
DORSAL							
WEEK 11		0	0	0	0	0	0
WEEK 29		0	0	0	0	0	0
WEEK 49		0	0	1	0	0	0
WEEK 51		0	0	0	1	0	0
WEEK 53		0	0	0	0	0	1
DORSAL-CERVICAL-LEFT							
WEEK 25		0	0	0	0	1	0
EAR-LEFT							
WEEK 48		0	0	1	0	0	0
EAR-RIGHT							
WEEK 47		0	0	0	0	0	1
HEAD-MAXILLARY-RIGHT							
WEEK 43		0	0	0	0	0	0
INGUINAL REGION-LEFT							
WEEK 43		0	0	0	0	0	0

Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371							
		SEX:	-----MALE-----				
CATEGORY	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
KEYWORD	NUMBER:	70	60	60	60	70	40
QUALIFIER							

MASS (ES)							
INGUINAL REGION-LEFT							
WEEK 46	0	0	0	0	0	0	0
WEEK 48	0	0	0	0	0	0	0
INGUINAL REGION-RIGHT							
WEEK 28	0	1	0	0	0	0	0
WEEK 43	0	0	0	0	0	0	0
WEEK 50	0	0	0	0	0	0	0
LIMB-FRONT-LEFT							
WEEK 45	0	0	0	0	0	0	0
LIMB-FRONT-RIGHT							
WEEK 47	0	0	0	1	0	0	0
WEEK 51	0	0	0	1	0	0	0
LIMB-HIND-RIGHT							
WEEK 47	0	0	0	0	0	0	0
SHOULDER-LEFT							
WEEK 48	0	0	0	0	0	0	0
SHOULDER-RIGHT							
WEEK 50	0	1	0	0	0	0	0
TAIL							
WEEK 49	0	0	1	0	0	0	0
VENTRAL-ABDOMINAL							
WEEK 15	0	0	0	0	0	0	0
WEEK 27	0	0	0	1	0	0	0
WEEK 29	0	0	1	0	0	0	0
WEEK 30	0	0	0	0	0	0	0

Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371		NUMBER OF ANIMALS AFFECTED						
		SEX:	-----MALE-----					
CATEGORY	GROUP:	1	2	3	4	5	6	
	DOSE:	0	0.5	2	5	20	20	
KEYWORD	NUMBER:	70	60	60	60	70	40	
QUALIFIER								

MASS (ES)

VENTRAL-ABDOMINAL

WEEK 36	0	0	0	0	0	0
WEEK 39	0	0	0	0	1	0
WEEK 41	0	0	0	0	0	1
WEEK 43	0	0	0	0	0	0
WEEK 45	0	1	0	0	0	0
WEEK 47	0	0	0	0	0	0
WEEK 53	0	0	0	0	0	0

VENTRAL-ABDOMINAL-LEFT

WEEK 18	0	0	0	0	0	0
WEEK 30	0	1	0	0	0	0
WEEK 33	0	0	0	0	0	0
WEEK 34	0	0	0	0	0	0
WEEK 40	0	0	0	0	1	0
WEEK 42	0	0	0	0	0	0
WEEK 43	0	0	0	0	0	0
WEEK 44	1	0	0	0	0	0
WEEK 45	0	0	0	0	0	1
WEEK 46	0	0	0	1	0	0
WEEK 49	0	0	0	0	0	0
WEEK 50	0	0	0	0	1	0
WEEK 51	0	0	0	0	0	0

VENTRAL-ABDOMINAL-RIGHT

WEEK 25	0	0	0	0	0	0
WEEK 38	0	0	0	0	0	0

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-371								
		SEX:	-----MALE-----					
CATEGORY	GROUP:	1	2	3	4	5	6	
KEYWORD	DOSE:	0	0.5	2	5	20	20	
QUALIFIER	NUMBER:	70	60	60	60	70	40	

MASS (ES)								
VENTRAL-ABDOMINAL-RIGHT								
WEEK 40		0	0	0	0	0	0	
WEEK 44		0	0	0	0	1	0	
WEEK 47		0	0	0	0	0	0	
WEEK 48		0	0	0	0	1	0	
WEEK 50		0	0	0	0	0	0	
WEEK 53		0	0	0	0	1	0	
VENTRAL-CERVICAL								
WEEK 37		0	1	0	0	0	0	
WEEK 45		0	0	0	0	0	0	
WEEK 53		0	0	0	0	0	0	
VENTRAL-CERVICAL-LEFT								
WEEK 3		0	0	0	0	0	0	
WEEK 21		0	0	0	0	0	0	
WEEK 42		0	0	0	0	0	0	
WEEK 47		0	0	0	0	0	0	
VENTRAL-CERVICAL-RIGHT								
WEEK 47		0	0	0	0	0	0	
VENTRAL-THORACIC								
WEEK 45		0	0	0	0	0	0	
VENTRAL-THORACIC-LEFT								
WEEK 25		0	0	0	0	0	0	
WEEK 47		0	0	0	0	0	0	
VENTRAL-THORACIC-RIGHT								
WEEK 10		0	0	0	0	0	0	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
		SEX:	MALE-					
CATEGORY	GROUP:	1	2	3	4	5	6	
KEYWORD	DOSE:	0	0.5	2	5	20	20	
QUALIFIER	NUMBER:	70	60	60	60	70	40	

WART LIKE LESION(S)								
DORSAL-CERVICAL								
WEEK 7		0	0	0	0	0	0	
EAR-RIGHT								
WEEK 41		0	0	0	0	0	1	
HEAD-MAXILLARY-LEFT								
WEEK 19		0	0	1	0	0	0	
WEEK 31		0	1	0	0	0	0	
MOUTH								
WEEK 46		0	0	0	0	0	0	
WEEK 47		0	0	0	0	0	0	
NOSE								
WEEK 46		0	0	0	0	0	0	
VENTRAL-ABDOMINAL								
WEEK 40		0	0	0	1	0	0	
VENTRAL-THORACIC-LEFT								
WEEK 46		0	0	1	0	0	0	
SURGERY								
PERFORMED BY								
JOHN VAN BERKUM		1	0	0	0	2	0	
KATHY EWERS		3	0	0	0	2	0	
PATTIE MURPHY		1	0	0	0	1	0	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371	SEX:	-----MALE-----					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
	NUMBER:	70	60	60	60	70	40
CATEGORY							
KEYWORD							
QUALIFIER							
ANTIBIOTIC							
ADMINISTERED							
0.5 ML		5	0	0	0	5	0
*** END OF LIST ***							

Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-371		SEX:		FEMALE				
CATEGORY		GROUP:	1	2	3	4	5	6
KEYWORD		DOSE:	0	0.5	2	5	20	20
QUALIFIER		NUMBER:	70	60	60	60	70	40

*** TOP OF LIST ***								
APPEARANCE								
BENT TAIL		0	0	0	0	0	0	0
CONVULSIONS		0	0	0	0	1	1	
HEAD TILT								
LEFT		1	0	0	0	0	0	0
RIGHT		0	0	1	0	0	0	0
HUNCHED		0	0	1	0	0	1	
LIMITED USE								
LIMB-HIND-LEFT		1	0	0	0	0	0	0
LIMBS-HIND		0	0	0	0	0	0	
MALOCCLUSION		12	9	6	6	5	7	
MISSING								
TAIL-DISTAL		0	0	1	0	0	0	0
TEETH		1	2	1	1	2	1	
PARALYSIS								
LIMBS-HIND		0	0	0	0	0	0	0
SWOLLEN								
LIMB-HIND-LEFT		0	0	0	0	0	0	0
MOUTH		0	1	0	0	0	0	0
NOSE		0	0	0	1	0	0	0
PAW-HIND-LEFT		1	0	0	0	0	0	0
TAIL-DISTAL		0	0	1	0	0	0	0
VENTRAL-ABDOMINAL		0	0	0	0	0	0	0
TESTES		0	0	0	0	0	0	0
THIN		1	1	1	0	1	1	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
		SEX:	-----FEMALE-----					
CATEGORY	GROUP:	1	2	3	4	5	6	
KEYWORD	DOSE:	0	0.5	2	5	20	20	
QUALIFIER	NUMBER:	70	60	60	60	70	40	

BEHAVIOR								
ATAXIC								
	<UNSPECIFIED>	0	0	1	0	0	0	
CIRCLING								
	RIGHT	1	0	0	0	0	0	
HYPOACTIVE								
	<UNSPECIFIED>	0	0	1	0	0	0	
	MILD	0	0	1	0	0	0	
SENSITIVE TO TOUCH								
	COLD TO TOUCH	1	0	0	0	0	0	
	LIMBS-HIND	0	0	0	0	0	0	
	ENTIRE BODY	0	0	0	0	0	0	
DISCHARGE								
GENITAL								
	RED IN COLOR	0	0	0	0	0	1	
CLEAR ORAL								
	MILD	0	0	0	0	0	0	
NASAL								
	RED IN COLOR	2	1	0	0	0	0	
UNKNOWN								
	RED IN COLOR	0	0	0	0	0	0	
EXCRETION								
	FEW FECES	2	1	1	1	1	0	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-371		SEX:	-----FEMALE-----					
CATEGORY	KEYWORD	GROUP:	1	2	3	4	5	6
QUALIFIER		DOSE:	0	0.5	2	5	20	20
		NUMBER:	70	60	60	60	70	40

EXCRETION								
NO FECES			0	0	1	0	0	1
NONFORMED FECES			2	0	0	0	0	0
EYES								
CLEAR DISCHARGE								
EYE-LEFT			0	0	0	0	0	0
RED DISCHARGE								
EYE-LEFT			0	0	0	0	1	1
EYE-RIGHT			0	1	0	2	0	1
EYES			0	0	0	0	0	1
SCAB								
EYE-RIGHT			0	0	0	0	0	0
SQUINTED								
PERI-ORBITAL			0	0	1	0	0	0
RESPIRATION								
AUDIBLE			0	0	2	0	0	0
IRREGULAR			0	0	0	0	0	0
LABORED			0	0	0	0	0	0
SKIN & PELAGE								
ALOPECIA			2	0	0	0	0	0
BROWN HAIR COAT								
SCROTUM			0	0	0	0	0	0

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

				NUMBER OF ANIMALS AFFECTED						
DAYS 1-371				SEX:	-----FEMALE-----					
CATEGORY				GROUP:	1	2	3	4	5	6
KEYWORD				DOSE:	0	0.5	2	5	20	20
QUALIFIER				NUMBER:	70	60	60	60	70	40

SKIN & PELAGE										
BLACK SKIN										
DORSAL					0	1	0	0	0	0
PALE										
ENTIRE BODY					0	1	1	0	1	0
RED HAIR COAT										
HEAD-ENTIRE					1	0	3	0	0	1
HEAD-CRANIAL					0	1	0	0	0	0
HEAD-MAXILLARY-LEFT					0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT					0	0	0	0	0	0
ROUGH HAIR COAT					2	0	0	0	1	0
SORE/SCAB										
AXILLARY REGION-LEFT					0	1	0	0	0	0
DORSAL					0	1	0	0	0	0
DORSAL-CERVICAL-LEFT					0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT					0	0	1	0	0	0
DORSAL-THORACIC-LEFT					0	0	0	0	0	0
DORSAL-THORACIC-RIGHT					2	0	0	0	0	0
EAR-RIGHT					0	0	0	0	0	0
HEAD-CRANIAL					0	0	1	0	0	0
HEAD-MAXILLARY-LEFT					0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT					0	0	1	0	1	0
LATERAL-CERVICAL-RIGHT					0	1	0	0	0	0
LIMB-FRONT-RIGHT					0	0	0	0	0	0
MOUTH					1	0	0	0	1	1
PAW-HIND-LEFT					1	0	0	0	0	0

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371		NUMBER OF ANIMALS AFFECTED					
		SEX:	-----FEMALE-----				
CATEGORY	GROUP:	1	2	3	4	5	6
KEYWORD	DOSE:	0	0.5	2	5	20	20
QUALIFIER	NUMBER:	70	60	60	60	70	40

SKIN & PELAGE							
SORE/SCAB							
SHOULDER-RIGHT		0	0	0	0	0	0
TAIL		0	0	1	0	0	0
VENTRAL-ABDOMINAL		0	0	0	0	1	0
VENTRAL-ABDOMINAL-LEFT		0	1	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT		0	0	0	0	0	0
VENTRAL-CERVICAL		0	0	0	0	0	0
VENTRAL-CERVICAL-LEFT		0	1	0	0	0	0
VENTRAL-CERVICAL-RIGHT		0	0	0	0	1	0
YELLOW HAIR COAT		1	0	2	0	1	0
MASS (ES)							
AXILLARY REGION-LEFT							
WEEK 37		0	0	1	0	0	0
WEEK 38		0	1	0	0	0	0
WEEK 39		0	0	0	0	0	0
WEEK 41		0	0	0	1	0	0
WEEK 44		0	0	1	0	0	0
WEEK 45		0	1	1	0	0	0
WEEK 46		1	0	0	0	0	0
WEEK 48		3	0	0	0	0	0
WEEK 50		0	2	0	0	0	1

Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED						
DAYS 1-371		SEX:	-----FEMALE-----					
		GROUP:	1	2	3	4	5	6
CATEGORY		DOSE:	0	0.5	2	5	20	20
KEYWORD								
QUALIFIER		NUMBER:	70	60	60	60	70	40

MASS (ES)								
AXILLARY REGION-LEFT								
WEEK 51			0	0	1	0	0	0
AXILLARY REGION-RIGHT								
WEEK 36			0	1	0	0	0	0
WEEK 37			0	0	0	0	0	0
WEEK 45			0	0	1	0	0	0
WEEK 46			1	0	0	0	0	0
WEEK 48			1	0	0	0	0	0
WEEK 53			0	0	2	0	1	0
DORSAL								
WEEK 11			0	1	0	0	0	0
WEEK 29			0	1	0	0	0	0
WEEK 49			0	0	0	0	0	0
WEEK 51			0	0	0	0	0	0
WEEK 53			0	0	0	0	0	0
DORSAL-CERVICAL-LEFT								
WEEK 25			0	0	0	0	0	0
EAR-LEFT								
WEEK 48			0	0	0	0	0	0
EAR-RIGHT								
WEEK 47			0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT								
WEEK 43			1	0	0	0	0	0
INGUINAL REGION-LEFT								
WEEK 43			0	0	1	0	0	0

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371	SEX:	-----FEMALE-----					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
	CATEGORY						
KEYWORD	NUMBER:	70	60	60	60	70	40
QUALIFIER							

MASS (ES)							
INGUINAL REGION-LEFT							
WEEK 46	0	0	1	0	0	0	
WEEK 48	0	0	1	0	0	1	
INGUINAL REGION-RIGHT							
WEEK 28	0	0	0	0	0	0	
WEEK 43	0	0	1	0	0	0	
WEEK 50	1	0	0	0	0	0	
LIMB-FRONT-LEFT							
WEEK 45	0	0	0	1	0	0	
LIMB-FRONT-RIGHT							
WEEK 47	0	0	0	0	0	0	
WEEK 51	0	0	0	0	0	0	
LIMB-HIND-RIGHT							
WEEK 47	0	0	0	1	0	0	
SHOULDER-LEFT							
WEEK 48	0	0	0	0	1	0	
SHOULDER-RIGHT							
WEEK 50	0	0	0	0	0	0	
TAIL							
WEEK 49	0	0	0	0	0	0	
VENTRAL-ABDOMINAL							
WEEK 15	1	0	0	0	0	0	
WEEK 27	0	0	0	0	0	0	
WEEK 29	0	0	0	0	0	0	
WEEK 30	1	0	0	0	0	0	

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371	NUMBER OF ANIMALS AFFECTED					
	SEX:	FEMALE				
CATEGORY	GROUP:	1	2	3	4	5
KEYWORD	DOSE:	0	0.5	2	5	20
QUALIFIER	NUMBER:	70	60	60	60	70
						40
MASS (ES)						
VENTRAL-ABDOMINAL		1	0	0	0	0
WEEK 36		0	0	0	0	0
WEEK 39		2	0	0	0	0
WEEK 41		0	0	1	0	0
WEEK 43		0	0	0	0	0
WEEK 45		1	0	0	0	0
WEEK 47		0	0	1	0	0
WEEK 53						
VENTRAL-ABDOMINAL-LEFT		0	1	0	0	0
WEEK 18		0	0	0	0	0
WEEK 30		0	0	1	0	0
WEEK 33		1	0	0	0	0
WEEK 34		0	0	0	0	0
WEEK 40		0	0	0	1	0
WEEK 42		0	1	0	0	0
WEEK 43		0	0	0	0	0
WEEK 44		0	0	0	0	0
WEEK 45		0	0	0	0	0
WEEK 46		0	0	0	0	1
WEEK 49		0	0	1	0	0
WEEK 50		0	0	1	0	0
WEEK 51						
VENTRAL-ABDOMINAL-RIGHT		1	1	0	0	0
WEEK 25		1	0	0	0	0
WEEK 38						

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Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-371		SEX:		-----FEMALE-----			
CATEGORY	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
KEYWORD	NUMBER:	70	60	60	60	70	40
QUALIFIER							

MASS (ES)

VENTRAL-ABDOMINAL-RIGHT

WEEK 40	0	0	1	0	0	0
WEEK 44	0	0	0	0	0	0
WEEK 47	0	1	0	1	0	0
WEEK 48	1	1	0	0	0	0
WEEK 50	0	1	0	0	0	0
WEEK 53	1	0	0	0	1	0

VENTRAL-CERVICAL

WEEK 37	0	0	0	0	0	0
WEEK 45	0	0	0	0	0	1
WEEK 53	0	0	2	0	1	0

VENTRAL-CERVICAL-LEFT

WEEK 3	0	1	0	0	0	0
WEEK 21	0	1	0	0	0	0
WEEK 42	0	0	0	1	0	0
WEEK 47	1	0	0	0	0	0

VENTRAL-CERVICAL-RIGHT

WEEK 47	0	1	0	0	0	0
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VENTRAL-THORACIC

WEEK 45	1	0	0	0	0	0
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VENTRAL-THORACIC-LEFT

WEEK 25	0	1	0	0	0	0
WEEK 47	0	0	0	0	1	0

VENTRAL-THORACIC-RIGHT

WEEK 10	0	0	0	0	0	1
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Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

DAYS 1-371	SEX:	NUMBER OF ANIMALS AFFECTED					
		MALE			FEMALE		
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
NUMBER:		70	60	60	60	70	40
CATEGORY							
KEYWORD							
QUALIFIER							
WART LIKE LESION(S)							
DORSAL-CERVICAL		0	0	1	0	0	0
WEEK 7							
EAR-RIGHT		0	0	0	0	0	0
WEEK 41							
HEAD-MAXILLARY-LEFT		0	0	0	0	0	0
WEEK 19		0	0	0	0	0	0
WEEK 31							
MOUTH		2	0	0	0	0	0
WEEK 46		0	0	0	0	1	0
WEEK 47							
NOSE		0	1	0	0	0	0
WEEK 46							
VENTRAL-ABDOMINAL		0	0	0	0	0	0
WEEK 40							
VENTRAL-THORACIC-LEFT		0	0	0	0	0	0
WEEK 46							
SURGERY							
PERFORMED BY		2	0	0	0	2	0
JOHN VAN BERKUM		0	0	0	0	1	0
KATHY EWERS		3	0	0	0	2	0
PATTIE MURPHY							

Table 2
Summary of Clinical Observations

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

	NUMBER OF ANIMALS AFFECTED					
	SEX:	1	2	3	4	5
DAYS 1-371	GROUP:	0	0.5	2	5	20
CATEGORY	DOSE:	70	60	60	60	70
KEYWORD	NUMBER:	5	0	0	0	5
QUALIFIER		0				0
ANTIBIOTIC						
ADMINISTERED						
0.5 ML						
*** END OF LIST ***						

Table 3

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

PAGE: 1

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1	N MEAN S.D.	70 179 18.6	60 178 18.7	60 179 19.0	60 179 19.2	70 178 18.7	40 178 19.0
2	N MEAN S.D.	70 237 21.8	60 237 20.2	60 237 21.5	60 236 20.5	70 234 20.2	40 231 22.0
3	N MEAN S.D.	70 287 25.0	60 290 21.4	60 286 23.0	60 290 22.8	70 285 23.2	40 286 25.2
4	N MEAN S.D.	70 334 27.6	60 333 23.9	60 328 25.4	60 333 24.3	70 323 25.0	40 326 28.0
5	N MEAN S.D.	65 367 31.4	55 370 27.1	55 367 28.4	55 367 27.9	65 361 28.1	40 363 31.4
6	N MEAN S.D.	65 399 34.3	55 402 30.8	55 397 30.3	55 399 30.4	65 390 30.2	40 394 34.6
7	N MEAN S.D.	65 419 35.1	55 428 33.3	55 418 31.8	55 425 32.2	65 413 32.7	40 415 36.8

Table 3
Summary of Body Weight Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8	N MEAN S.D.	65 448 37.8	55 450 35.7	55 443 35.9	55 448 35.1	65 432 34.2	40 436 40.8
9	N MEAN S.D.	65 464 41.6	55 463 37.7	55 450 38.2	55 466 36.8	65 446* 36.4	40 446 41.0
10	N MEAN S.D.	65 481 43.1	55 483 39.8	55 473 40.7	55 479 36.9	65 465 37.2	40 466 42.2
11	N MEAN S.D.	65 499 45.2	55 502 42.1	55 479* 42.6	55 494 38.5	65 474* 38.5	40 473* 45.2
12	N MEAN S.D.	65 509 46.8	55 512 43.9	55 494 44.3	55 507 40.4	65 485* 41.5	40 483* 46.4
13	N MEAN S.D.	65 517 48.0	55 518 45.6	55 508 47.5	55 514 42.5	65 493* 43.2	40 491* 49.1
14	N MEAN S.D.	65 528 51.1	55 534 47.3	55 517 49.4	55 527 44.4	65 504* 46.1	40 501* 50.4

Table 3
Summary of Body Weight Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15	N MEAN S.D.	60 535 51.9	50 542 48.2	50 531 49.0	50 535 45.5	60 513* 47.5	40 510* 51.2
16	N MEAN S.D.	60 549 53.5	50 553 49.9	50 542 50.0	50 550 46.5	60 523* 49.3	40 517* 52.3
17	N MEAN S.D.	60 556 55.4	50 559 50.5	50 551 51.0	50 557 47.8	60 526* 49.8	40 521* 52.9
21	N MEAN S.D.	60 580 62.1	49 594 57.5	50 582 57.5	50 581 53.2	60 546* 57.2	40 544* 59.2
25	N MEAN S.D.	59 609 67.8	49 621 63.0	50 611 61.0	50 604 56.7	60 567* 62.9	40 566* 65.8
29	N MEAN S.D.	59 644 76.0	49 654 66.6	50 640 67.4	50 632 62.5	60 595* 69.0	40 595* 69.8
33	N MEAN S.D.	59 669 79.5	49 683 71.0	50 666 70.4	50 653 68.8	60 619* 76.6	40 620* 75.1

Table 3
Summary of Body Weight Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	-MALE-					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
37	N	59	49	50	50	59	40
	MEAN	691	700	687	676	644*	644*
	S.D.	83.5	77.8	73.8	73.6	84.7	81.8
41	N	59	48	50	50	59	40
	MEAN	699	716	702	690	663	657
	S.D.	87.9	81.8	78.2	77.6	92.5	89.6
45	N	59	48	50	50	59	40
	MEAN	715	735	721	709	676	674
	S.D.	95.8	87.8	80.4	82.3	100.7	97.6
49	N	58	48	50	50	58	40
	MEAN	736	759	740	726	699	697
	S.D.	97.2	89.5	83.5	88.9	108.3	104.3
53	N	58	48	50	48	57	40
	MEAN	749	770	753	742	713	712
	S.D.	103.5	91.7	86.2	97.1	115.0	109.2

Table 3

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

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-----SEX: FEMALE-----							
WEEK	GROUP: DOSE: UNITS:	1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1	N	70	60	60	60	70	40
	MEAN	154	154	155	154	153	155
	S.D.	11.1	10.4	10.0	10.1	11.1	11.8
2	N	70	60	60	60	70	40
	MEAN	183	180	176	180	177	178
	S.D.	14.6	15.0	14.2	13.2	13.5	14.8
3	N	70	60	60	60	70	40
	MEAN	207	204	199*	204	199*	198*
	S.D.	18.6	17.4	15.7	15.5	16.2	15.8
4	N	70	60	60	60	70	40
	MEAN	224	222	217	218	215*	214
	S.D.	22.1	21.2	18.9	19.1	17.4	18.8
5	N	65	55	55	55	65	40
	MEAN	237	236	232	232	224*	227
	S.D.	23.6	22.9	20.1	20.0	17.4	19.4
6	N	65	55	55	55	65	40
	MEAN	248	250	245	244	233*	235*
	S.D.	25.3	25.0	21.6	21.1	19.6	19.8
7	N	65	55	55	55	65	40
	MEAN	254	257	251	250	236*	240*
	S.D.	27.7	27.1	20.0	21.7	20.1	18.8

Table 3

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

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SEX:		-----FEMALE-----					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
UNITS:		PPM	PPM	PPM	PPM	PPM	PPM

WEEK							
8	N	65	55	55	55	65	40
	MEAN	266	269	262	263	247*	250*
	S.D.	30.0	28.1	23.0	24.4	20.2	21.0
9	N	65	55	55	55	65	40
	MEAN	268	273	263	264	245*	247*
	S.D.	31.4	30.2	21.7	25.3	22.0	22.1
10	N	65	55	54	55	65	40
	MEAN	279	283	271	275	253*	254*
	S.D.	33.5	31.7	23.7	27.2	22.4	22.0
11	N	65	55	54	55	65	40
	MEAN	281	291	277	277	258*	255*
	S.D.	33.8	33.1	23.8	25.8	22.6	22.6
12	N	65	55	54	55	65	40
	MEAN	290	292	278	279	257*	259*
	S.D.	37.0	34.5	23.6	27.5	21.1	23.0
13	N	65	55	54	55	65	40
	MEAN	295	296	284	285	261*	262*
	S.D.	38.9	35.3	24.4	29.1	22.7	23.2
14	N	65	55	54	55	65	40
	MEAN	300	303	292	292	265*	266*
	S.D.	40.1	37.6	24.5	31.7	23.3	23.6

Table 3
Summary of Body Weight Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15	N MEAN S.D.	60 302 42.2	50 304 36.7	49 294 26.4	50 298 33.3	60 266* 22.0	40 269* 23.7
16	N MEAN S.D.	60 307 43.9	50 310 39.1	49 298 28.2	50 303 33.8	60 268* 23.1	40 271* 24.3
17	N MEAN S.D.	60 307 43.9	50 311 38.3	49 303 26.5	50 305 34.9	60 272* 23.6	40 273* 25.0
21	N MEAN S.D.	60 316 44.8	50 322 40.2	49 314 29.9	50 313 38.2	60 280* 24.1	40 280* 26.5
25	N MEAN S.D.	60 331 50.9	50 335 45.6	49 324 30.7	50 328 42.2	60 290* 27.8	40 291* 29.6
29	N MEAN S.D.	60 342 52.8	50 347 50.0	49 338 36.1	50 342 47.2	60 298* 30.2	40 301* 32.5
33	N MEAN S.D.	60 358 58.0	50 362 55.0	49 356 40.7	49 353 46.8	60 310* 32.8	40 312* 36.8

Table 3
Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

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WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
37	N	60	49	49	49	60	40
	MEAN	373	375	371	365	319*	321*
	S.D.	64.8	56.7	43.4	47.3	36.6	39.8
41	N	60	49	49	49	59	40
	MEAN	389	393	385	378	328*	329*
	S.D.	69.4	62.4	50.0	49.8	38.3	46.5
45	N	60	48	49	49	59	39
	MEAN	409	413	396	394	339*	346*
	S.D.	73.3	63.6	59.8	51.1	41.0	48.0
49	N	60	48	47	49	59	39
	MEAN	422	424	415	407	351*	356*
	S.D.	74.5	66.3	55.7	55.1	45.5	50.0
53	N	60	47	47	48	59	39
	MEAN	427	435	428	422	358*	366*
	S.D.	78.8	71.8	61.2	56.5	48.3	52.6

Table 4
Summary of Body Weight Change Data (g)

PAGE: 1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1-2	N MEAN S.D.	70 58 5.8	60 59 5.6	60 58 5.2	60 57 4.4	70 57 5.9	40 53* 6.4
2-3	N MEAN S.D.	70 50 6.5	60 53* 6.2	60 48 6.2	60 55* 7.5	70 50 6.2	40 56* 7.2
3-4	N MEAN S.D.	70 47 6.8	60 42* 8.0	60 43* 7.6	60 43* 6.8	70 38* 6.6	40 40* 7.3
4-5	N MEAN S.D.	65 34 7.6	55 38* 6.3	55 38* 6.8	55 34 8.2	65 37 5.6	40 37 5.8
5-6	N MEAN S.D.	65 32 6.2	55 32 7.0	55 30 5.7	55 32 5.3	65 29 5.1	40 30 6.0
6-7	N MEAN S.D.	65 20 6.5	55 26* 5.9	55 21 6.3	55 26* 5.8	65 23 7.5	40 21 5.3
7-8	N MEAN S.D.	65 29 5.8	55 22* 6.7	55 25* 7.2	55 23* 6.7	65 20* 5.5	40 21* 10.4

Table 4

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

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-----MALE-----							
WEEK	SEX: GROUP: DOSE: UNITS:	1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8-9	N MEAN S.D.	65 17 11.0	55 13 6.1	55 7* 5.8	55 18 4.7	65 13 7.9	40 9* 9.0
9-10	N MEAN S.D.	65 16 5.7	55 20* 4.7	55 23* 6.5	55 13* 4.0	65 20* 5.3	40 20* 5.0
10-11	N MEAN S.D.	65 18 5.3	55 19 5.1	55 6* 6.9	55 15* 6.8	65 9* 6.5	40 8* 5.8
11-12	N MEAN S.D.	65 10 8.2	55 10 4.2	55 15* 9.3	55 13* 6.0	65 10 5.6	40 10 4.3
12-13	N MEAN S.D.	65 9 5.8	55 6* 5.5	55 14* 6.8	55 7 5.1	65 8 4.7	40 8 5.4
13-14	N MEAN S.D.	65 11 5.4	55 16* 4.7	55 9 4.4	55 13 4.3	65 11 7.1	40 10 5.8
14-15	N MEAN S.D.	60 7 5.8	50 6 6.5	50 9 4.7	50 11* 5.7	60 8 4.5	40 9 5.1

Table 4

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

PAGE: 3

SEX:		MALE-----					
WEEK	GROUP: DOSE: UNITS:	1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM

15-16	N	60	50	50	50	60	40
	MEAN	14	11*	11*	14	10*	8*
	S.D.	4.7	5.6	4.7	3.9	4.6	4.6
16-17	N	60	50	50	50	60	40
	MEAN	7	7	9	8	3*	4*
	S.D.	5.3	4.6	4.6	4.2	5.5	4.7
17-21	N	60	49	50	50	60	40
	MEAN	25	34*	30*	23	20	22
	S.D.	12.0	10.5	11.3	11.6	11.4	10.4
21-25	N	59	49	50	50	60	40
	MEAN	28	27	30	23	21*	22*
	S.D.	9.9	12.9	10.5	9.9	9.9	12.1
25-29	N	59	49	50	50	60	40
	MEAN	35	34	29*	28*	28*	30
	S.D.	13.0	13.5	10.3	9.6	11.7	7.7
29-33	N	59	49	50	50	60	40
	MEAN	26	29	25	20*	24	25
	S.D.	10.2	10.7	8.9	12.1	12.4	9.7
33-37	N	59	49	50	50	59	40
	MEAN	21	17	21	23	26	24
	S.D.	10.3	23.1	13.0	9.8	11.9	11.8

Table 4

Summary of Body Weight Change Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
37-41	N	59	48	50	50	59	40
	MEAN	8	13	15*	15*	19*	13
	S.D.	12.5	11.9	10.6	14.2	11.7	11.4
41-45	N	59	48	50	50	59	40
	MEAN	16	19	19	19	13	16
	S.D.	19.8	10.2	8.6	12.4	14.1	10.9
45-49	N	58	48	50	50	58	40
	MEAN	20	24	19	17	21	24
	S.D.	15.6	8.9	9.7	12.9	13.8	9.6
49-53	N	58	48	50	48	57	40
	MEAN	13	11	13	12	14	15
	S.D.	15.9	15.0	8.9	28.3	13.2	10.3
1-53	N	58	48	50	48	57	40
	MEAN	570	593	573	562	535	534
	S.D.	100.0	91.6	83.0	96.0	112.8	104.9

Table 4

Summary of Body Weight Change Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1-2	N	70	60	60	60	70	40
	MEAN	29	26*	21*	26*	25*	23*
	S.D.	6.7	7.5	6.9	6.3	7.2	6.1
2-3	N	70	60	60	60	70	40
	MEAN	24	24	23	24	22	20*
	S.D.	7.0	6.6	6.3	6.5	7.0	7.4
3-4	N	70	60	60	60	70	40
	MEAN	17	18	18	14	16	16
	S.D.	7.8	7.0	6.9	7.3	7.6	8.2
4-5	N	65	55	55	55	65	40
	MEAN	14	14	15	15	9*	13
	S.D.	7.2	7.9	8.2	7.8	7.4	7.2
5-6	N	65	55	55	55	65	40
	MEAN	11	14	13	12	9	8*
	S.D.	6.5	6.3	5.4	6.9	5.7	5.8
6-7	N	65	55	55	55	65	40
	MEAN	6	6	6	6	3*	5
	S.D.	5.8	7.4	5.9	7.3	5.0	6.0
7-8	N	65	55	55	55	65	40
	MEAN	13	12	11	13	11	10
	S.D.	6.8	5.0	7.4	6.0	4.9	5.1

Table 4

Summary of Body Weight Change Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8-9	N	65	55	55	55	65	40
	MEAN	2	4	2	1	-2*	-3*
	S.D.	6.0	6.2	4.9	6.2	4.6	4.6
9-10	N	65	55	54	55	65	40
	MEAN	11	10	8*	11	8*	7*
	S.D.	6.3	6.8	5.8	6.8	6.6	5.5
10-11	N	65	55	54	55	65	40
	MEAN	2	8*	6*	2	5*	0
	S.D.	5.1	5.7	5.8	5.7	5.6	4.9
11-12	N	65	55	54	55	65	40
	MEAN	9	1*	1*	2*	-1*	4*
	S.D.	6.3	6.6	5.7	6.0	5.8	4.6
12-13	N	65	55	54	55	65	40
	MEAN	5	4	7	6	3	3
	S.D.	7.0	5.3	5.9	4.8	5.3	5.0
13-14	N	65	55	54	55	65	40
	MEAN	5	7	8*	7	4	5
	S.D.	7.0	5.3	5.1	5.5	5.1	4.3
14-15	N	60	50	49	50	60	40
	MEAN	4	3	2	4	1	2
	S.D.	5.8	6.5	6.0	6.4	5.4	3.8

Table 4
Summary of Body Weight Change Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15-16	N	60	50	49	50	60	40
	MEAN	4	6	4	5	3	3
	S.D.	4.4	5.3	5.7	5.6	5.3	4.1
16-17	N	60	50	49	50	60	40
	MEAN	0	1	4*	3	4*	2
	S.D.	6.5	4.8	7.0	6.2	4.5	5.1
17-21	N	60	50	49	50	60	40
	MEAN	9	11	11	7	8	7
	S.D.	8.1	6.7	10.6	8.9	6.6	6.9
21-25	N	60	50	49	50	60	40
	MEAN	15	13	10*	16	9*	11
	S.D.	9.2	9.9	11.3	9.3	9.0	5.5
25-29	N	60	50	49	50	60	40
	MEAN	12	12	15	14	9	9
	S.D.	7.8	9.8	11.9	9.9	8.0	7.6
29-33	N	60	50	49	49	60	40
	MEAN	16	15	18	13	12	12
	S.D.	10.8	13.1	13.8	10.0	9.7	9.6
33-37	N	60	49	49	49	60	40
	MEAN	15	15	14	12	9*	9
	S.D.	12.9	12.2	9.9	9.9	8.2	10.5

Table 4
Summary of Body Weight Change Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
37-41	N	60	49	49	49	59	40
	MEAN	16	18	14	13	10*	8*
	S.D.	10.5	13.7	18.0	8.9	9.3	16.7
41-45	N	60	48	49	49	59	39
	MEAN	19	18	11	17	11*	14*
	S.D.	9.8	13.0	33.2	12.4	7.5	10.1
45-49	N	60	48	47	49	59	39
	MEAN	13	11	13	13	12	10
	S.D.	16.3	9.0	8.8	11.6	9.3	8.9
49-53	N	60	47	47	48	59	39
	MEAN	5	11*	13*	14*	7	10
	S.D.	20.8	10.6	11.1	10.4	10.5	7.3
1-53	N	60	47	47	48	59	39
	MEAN	273	282	274	268	206*	211*
	S.D.	73.5	66.7	57.9	51.4	46.0	48.6

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	-MALE-					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1	N MEAN S.D.	69 167 13.3	56 165 11.5	60 165 14.1	59 164 13.2	69 158* 11.6	39 166 14.2
2	N MEAN S.D.	62 177 13.9	54 173 12.9	58 173 13.9	54 172 13.4	69 167* 13.8	37 172 17.2
3	N MEAN S.D.	68 184 12.9	52 183 13.0	56 181 14.1	57 182 13.4	70 178 15.2	38 181 16.0
4	N MEAN S.D.	60 191 16.5	47 188 13.7	49 184 19.3	48 177* 15.0	62 176* 14.7	38 184 17.4
5	N MEAN S.D.	62 191 16.1	50 193 16.1	50 186 16.7	49 185 16.3	64 183* 15.6	40 187 18.7
6	N MEAN S.D.	56 192 15.1	43 191 17.3	46 187 15.9	49 186 16.4	65 181* 15.9	38 185 17.6
7	N MEAN S.D.	59 193 15.6	42 195 18.3	47 183* 18.8	45 187 17.2	60 183* 15.4	37 184 19.9

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8	N	54	45	47	43	60	34
	MEAN	189	193	188	185	178*	181
	S.D.	19.2	17.9	17.7	15.3	18.0	19.7
9	N	59	47	51	46	60	32
	MEAN	190	190	183	190	175*	182
	S.D.	18.0	16.9	17.4	15.5	17.0	17.8
10	N	59	48	46	48	59	38
	MEAN	188	189	188	183	177*	185
	S.D.	18.0	17.6	17.2	15.6	15.1	19.1
11	N	60	46	48	45	59	38
	MEAN	188	189	183	185	179*	182
	S.D.	16.8	18.3	17.7	15.7	17.8	18.9
12	N	57	51	52	49	61	39
	MEAN	189	189	184	185	180	178*
	S.D.	20.1	18.5	20.5	16.7	21.1	18.6
13	N	60	52	54	52	63	37
	MEAN	185	187	187	185	180	178
	S.D.	19.2	17.4	16.8	18.8	19.6	21.0
14	N	59	49	48	45	57	38
	MEAN	184	186	188	182	178	184
	S.D.	17.4	19.0	18.9	17.0	16.0	20.8

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15	N MEAN S.D.	58 190 16.7	47 188 18.8	47 191 16.0	45 187 14.7	56 182 17.1	40 185 18.7
16	N MEAN S.D.	57 190 16.5	49 191 17.3	48 192 14.0	49 191 19.5	59 183 17.6	38 183 18.6
20	N MEAN S.D.	58 192 19.7	46 195 17.9	49 194 16.1	47 188 20.9	57 184 18.3	38 184 21.3
24	N MEAN S.D.	58 184 20.1	48 188 20.1	49 192 18.6	50 184 20.2	60 178 20.3	39 178 21.5
28	N MEAN S.D.	56 183 20.4	46 185 15.6	48 185 17.5	46 181 16.3	59 180 18.7	36 180 17.8
32	N MEAN S.D.	58 177 16.8	45 184 14.4	48 184 15.3	47 182 17.4	59 182 19.3	35 179 18.7
36	N MEAN S.D.	59 183 17.9	48 181 28.3	50 181 16.6	50 183 19.9	58 183 21.1	39 181 23.0

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	-MALE-					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
40	N	58	46	48	48	58	39
	MEAN	184	184	186	187	187	182
	S.D.	19.1	19.1	16.2	20.3	22.5	22.7
44	N	58	48	49	47	55	39
	MEAN	182	188	185	186	184	188
	S.D.	24.9	21.0	14.7	20.0	20.7	23.9
48	N	57	48	48	47	55	37
	MEAN	184	191	186	185	184	185
	S.D.	20.2	18.5	18.8	18.3	20.8	18.3
52	N	54	46	48	44	54	37
	MEAN	176	185	186	181	178	179
	S.D.	27.6	17.8	17.3	27.5	22.4	20.9

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1	N MEAN S.D.	55 129 11.9	55 120* 12.0	48 123 14.3	55 130 13.5	62 124 11.2	35 125 12.4
2	N MEAN S.D.	62 140 16.9	48 133 16.5	51 131* 17.8	47 136 19.6	62 130* 13.8	34 126* 12.7
3	N MEAN S.D.	54 144 16.8	49 142 17.0	51 140 17.6	55 141 14.9	57 131* 14.7	33 129* 13.3
4	N MEAN S.D.	47 140 15.9	44 137 17.5	41 142 20.1	45 138 18.3	58 126* 12.5	33 128* 14.0
5	N MEAN S.D.	50 146 18.5	48 146 17.6	43 144 14.2	45 144 19.3	55 135* 14.0	33 130* 11.4
6	N MEAN S.D.	45 138 18.6	40 142 23.3	35 137 20.3	42 134 17.3	55 124* 11.4	31 124* 13.1
7	N MEAN S.D.	54 138 17.0	49 142 17.1	45 133 12.2	46 136 16.3	53 126* 10.7	36 123* 12.0

Table 5
Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8	N MEAN S.D.	46 138 18.5	38 138 15.9	43 136 11.3	42 135 15.5	54 123* 14.7	31 121* 12.6
9	N MEAN S.D.	55 140 18.8	48 135 15.2	41 132 17.0	46 134 17.3	56 122* 12.6	36 125* 17.5
10	N MEAN S.D.	53 141 18.2	45 135 16.0	39 134 11.0	45 135 13.8	53 124* 10.0	34 125* 14.4
11	N MEAN S.D.	56 138 21.7	52 134 15.5	46 133 13.4	48 134 16.0	55 122* 10.2	38 125* 14.8
12	N MEAN S.D.	52 138 20.1	43 133 15.7	39 137 17.6	48 136 21.5	58 127* 18.8	35 123* 11.7
13	N MEAN S.D.	56 133 17.7	46 135 17.7	47 131 13.1	49 131 20.1	59 122* 18.4	35 125 16.8
14	N MEAN S.D.	53 131 20.4	40 129 18.0	37 133 13.4	40 125 11.3	54 119* 11.3	32 122* 8.5

Table 5

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

PAGE: 7

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15	N MEAN S.D.	53 133 17.1	49 134 15.9	43 135 14.9	45 133 16.2	57 124* 13.6	39 125 17.7
16	N MEAN S.D.	54 133 19.4	44 135 18.1	41 136 15.3	45 133 15.6	56 124* 12.2	34 124 15.0
20	N MEAN S.D.	50 139 19.0	46 134 16.0	42 136 16.2	44 138 18.8	49 128* 12.8	28 131 14.2
24	N MEAN S.D.	53 134 18.9	44 132 18.7	44 136 17.6	47 132 20.0	54 123* 14.0	32 122* 13.3
28	N MEAN S.D.	56 132 15.7	48 133 24.7	45 141 20.5	48 132 18.7	56 122* 20.4	40 121* 18.9
32	N MEAN S.D.	58 136 18.4	47 134 26.5	45 139 15.5	45 134 17.9	58 124* 17.4	40 127 17.7
36	N MEAN S.D.	55 135 17.9	49 135 20.9	46 137 15.3	47 133 17.8	58 124* 16.1	39 123* 14.9

Table 5

Summary of Food Consumption Data (g)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

WEEK	SEX: GROUP: DOSE: UNITS:	FEMALE					
		1 0 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
40	N	56	44	48	47	56	38
	MEAN	139	139	142	138	135*	130
	S.D.	20.3	15.6	20.6	17.6	20.7	14.7
44	N	56	45	45	47	53	38
	MEAN	137	134	137	134	126*	128
	S.D.	17.8	19.3	18.6	20.7	17.1	15.9
48	N	58	48	47	47	57	38
	MEAN	134	133	142	141	133	130
	S.D.	23.6	19.5	16.6	17.8	20.0	13.3
52	N	57	45	46	45	57	38
	MEAN	133	134	141	139	133	133
	S.D.	24.0	20.5	19.8	22.2	21.9	14.0

Table 6

Summary of Test Material Consumption Data (mg/kg/day)

PAGE: 1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
1	N	56	60	59	69	39	55	48	55	62	35
	MEAN	0.057	0.226	0.570	2.205	2.336	0.052	0.213	0.559	2.149	2.160
	S.D.	0.004	0.015	0.041	0.156	0.170	0.004	0.020	0.046	0.141	0.178
2	N	54	58	54	69	37	48	51	47	62	34
	MEAN	0.047	0.189	0.471	1.846	1.907	0.050	0.200	0.506	1.965	1.929
	S.D.	0.003	0.012	0.031	0.115	0.118	0.005	0.019	0.055	0.162	0.164
3	N	52	56	57	70	38	49	51	55	57	33
	MEAN	0.042	0.169	0.420	1.675	1.701	0.048	0.194	0.481	1.805	1.792
	S.D.	0.002	0.010	0.026	0.097	0.097	0.003	0.026	0.038	0.157	0.126
4	N	47	49	48	62	38	44	41	45	58	33
	MEAN	0.038	0.151	0.364	1.477	1.531	0.043	0.180	0.440	1.646	1.656
	S.D.	0.002	0.011	0.020	0.081	0.086	0.003	0.018	0.049	0.121	0.142
5	N	50	50	49	64	40	48	43	45	55	33
	MEAN	0.036	0.139	0.346	1.394	1.408	0.043	0.170	0.431	1.669	1.613
	S.D.	0.002	0.007	0.019	0.072	0.073	0.003	0.011	0.036	0.137	0.113
6	N	43	46	49	65	38	40	35	42	55	31
	MEAN	0.033	0.132	0.325	1.287	1.307	0.040	0.157	0.390	1.502	1.488
	S.D.	0.002	0.007	0.017	0.065	0.068	0.005	0.019	0.034	0.106	0.107
7	N	42	47	45	60	37	49	45	46	53	36
	MEAN	0.032	0.122	0.311	1.241	1.233	0.038	0.148	0.382	1.501	1.446
	S.D.	0.002	0.010	0.016	0.061	0.078	0.003	0.010	0.028	0.112	0.089

Table 6

Summary of Test Material Consumption Data (mg/kg/day)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
8	N MEAN S.D.	45 0.030 0.002	47 0.121 0.007	43 0.293 0.012	60 1.161 0.093	34 1.178 0.106	38 0.036 0.002	43 0.148 0.011	42 0.368 0.030	54 1.438 0.133	31 1.392 0.099
9	N MEAN S.D.	47 0.029 0.001	51 0.113 0.006	46 0.288 0.016	60 1.108 0.076	32 1.135 0.063	48 0.035 0.002	41 0.143 0.023	46 0.355 0.027	56 1.407 0.120	36 1.422 0.202
10	N MEAN S.D.	48 0.028 0.002	46 0.113 0.006	48 0.270 0.017	59 1.074 0.060	38 1.130 0.080	45 0.033 0.002	39 0.138 0.010	45 0.355 0.033	53 1.393 0.101	34 1.407 0.111
11	N MEAN S.D.	46 0.027 0.002	48 0.108 0.007	45 0.266 0.014	59 1.056 0.060	38 1.086 0.071	52 0.033 0.003	46 0.136 0.011	48 0.346 0.029	55 1.361 0.101	38 1.393 0.120
12	N MEAN S.D.	51 0.026 0.002	52 0.106 0.009	49 0.262 0.016	61 1.055 0.101	39 1.050 0.075	43 0.032 0.003	39 0.137 0.015	48 0.344 0.040	58 1.406 0.193	35 1.363 0.126
13	N MEAN S.D.	52 0.025 0.002	54 0.105 0.006	52 0.256 0.017	63 1.029 0.093	37 1.024 0.080	46 0.032 0.003	47 0.129 0.011	49 0.324 0.026	59 1.330 0.194	35 1.355 0.130
14	N MEAN S.D.	49 0.025 0.002	48 0.102 0.007	45 0.248 0.018	57 1.007 0.073	38 1.043 0.104	40 0.030 0.004	37 0.130 0.012	40 0.310 0.031	54 1.289 0.118	32 1.313 0.101

Table 6

Summary of Test Material Consumption Data (mg/kg/day)

PAGE: 3

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
15	N MEAN S.D.	47 0.025 0.002	47 0.102 0.006	45 0.250 0.013	56 1.010 0.074	40 1.032 0.069	49 0.031 0.004	43 0.129 0.011	45 0.318 0.023	57 1.330 0.121	39 1.333 0.160
16	N MEAN S.D.	49 0.025 0.002	48 0.100 0.006	49 0.247 0.017	59 1.006 0.084	38 1.010 0.067	44 0.031 0.004	41 0.129 0.016	45 0.315 0.027	56 1.315 0.113	34 1.302 0.132
20	N MEAN S.D.	46 0.024 0.001	49 0.096 0.007	47 0.234 0.020	57 0.969 0.065	38 0.970 0.073	46 0.030 0.003	42 0.124 0.012	44 0.316 0.029	49 1.305 0.104	28 1.345 0.105
24	N MEAN S.D.	48 0.022 0.002	49 0.090 0.007	50 0.219 0.018	60 0.904 0.070	39 0.904 0.084	44 0.028 0.004	44 0.120 0.015	47 0.288 0.024	54 1.218 0.110	32 1.200 0.098
28	N MEAN S.D.	46 0.021 0.002	48 0.083 0.006	46 0.206 0.016	59 0.875 0.082	36 0.872 0.069	48 0.028 0.005	45 0.121 0.022	48 0.279 0.025	56 1.181 0.164	40 1.157 0.174
32	N MEAN S.D.	45 0.019 0.001	48 0.080 0.006	47 0.199 0.012	59 0.850 0.083	35 0.837 0.059	47 0.027 0.006	45 0.112 0.013	45 0.273 0.028	58 1.152 0.111	40 1.170 0.155
36	N MEAN S.D.	48 0.019 0.003	50 0.076 0.008	50 0.195 0.021	58 0.817 0.084	39 0.805 0.046	49 0.026 0.003	46 0.106 0.012	47 0.261 0.023	58 1.111 0.099	39 1.103 0.080

Table 6

Summary of Test Material Consumption Data (mg/kg/day)

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

WEEK	SEX: GROUP: DOSE: UNITS:	MALE					FEMALE				
		2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM	2 0.5 PPM	3 2 PPM	4 5 PPM	5 20 PPM	6 20 PPM
40	N	46	48	48	58	39	44	48	47	56	38
	MEAN	0.018	0.076	0.196	0.812	0.794	0.025	0.106	0.263	1.179	1.122
	S.D.	0.002	0.005	0.020	0.090	0.052	0.003	0.014	0.025	0.132	0.092
44	N	48	49	47	55	39	45	45	47	53	38
	MEAN	0.018	0.074	0.188	0.786	0.801	0.024	0.098	0.244	1.069	1.065
	S.D.	0.002	0.006	0.017	0.069	0.055	0.003	0.012	0.027	0.112	0.128
48	N	48	48	47	55	37	48	47	47	57	38
	MEAN	0.018	0.072	0.184	0.765	0.780	0.023	0.099	0.247	1.100	1.054
	S.D.	0.002	0.007	0.017	0.080	0.049	0.003	0.013	0.020	0.137	0.119
52	N	46	48	44	54	37	45	46	45	57	38
	MEAN	0.017	0.071	0.174	0.714	0.732	0.022	0.095	0.237	1.070	1.047
	S.D.	0.002	0.006	0.025	0.082	0.053	0.003	0.012	0.028	0.125	0.097
1-52	MEAN	0.028	0.115	0.284	1.147	1.146	0.034	0.139	0.348	1.402	1.375

Table 7
Summary of Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	7.47	15.2	44.8	60.0	20.3	33.9	1048
	S.D.	.459	.81	2.35	1.56	.73	.59	107.7
	N	10	10	10	10	10	10	10
0.5	MEAN	7.22	14.7	43.4	60.2	20.4	33.9	1082
	S.D.	.414	.77	2.43	1.69	.67	.36	111.4
	N	10	10	10	10	10	10	10
2.0	MEAN	7.54	15.3	45.1	59.9	20.4	34.0	1028
	S.D.	.599	1.09	3.39	1.65	.85	.61	68.7
	N	10	10	10	10	10	10	10
5.0	MEAN	7.43	15.4	45.0	60.7	20.7	34.1	1013
	S.D.	.622	1.04	3.32	1.97	.68	.41	118.6
	N	10	10	10	10	10	10	10
20.0	MEAN	7.30	15.0	44.2	60.6	20.6	33.9	1051
	S.D.	.234	.44	1.56	1.40	.45	.37	118.1
	N	10	10	10	10	10	10	10

3M T-6295

Males Week 4

SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

[illegible]

Table 7
Summary of Clinical Hematology Data
Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	7.28	15.2	45.1	62.0	20.8	33.7	1103
	S.D.	.276	.45	1.20	1.80	.63	.41	109.6
	N	10	10	10	10	10	10	10
0.5	MEAN	7.40	15.3	45.7	61.8	20.7	33.5	1126
	S.D.	.367	.62	1.46	1.36	.58	.57	181.3
	N	10	10	10	10	10	10	10
2.0	MEAN	7.49	15.1	45.2	60.4	20.2	33.5	1069
	S.D.	.367	.70	1.64	1.62	.64	.55	128.2
	N	10	10	10	10	10	10	10
5.0	MEAN	7.40	15.4	45.8	62.0	20.8	33.6	1104
	S.D.	.396	.42	1.00	2.25	.79	.52	116.6
	N	10	10	10	10	10	10	10
20.0	MEAN	7.38	15.3	45.6	61.9	20.8	33.6	1108
	S.D.	.238	.27	1.07	1.21	.64	.53	88.4
	N	10	10	10	10	10	10	10

Table 7
Summary of Clinical Hematology Data
Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SULFONIC ACID												
DOSE ppm T-6295	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%	
0	MEAN S.D. N	7.4 2.27 10	.7 .23 10	6.3 2.12 10	.3 .20 10	.1 .06 10	.0 .00 10	9 3.5 10	84 4.0 10	5 2.2 10	2 1.4 10	0 .0 10
0.5	MEAN S.D. N	6.5 1.01 10	.7 .78 10	5.5 1.01 10	.3 .13 10	.0 .05 10	.0 .00 10	10 10.8 10	84 10.4 10	4 1.7 10	1 .6 10	0 .0 10
2.0	MEAN S.D. N	5.0 1.80 10	.4 .15 10	4.3 1.83 10	.2 .11 10	.0 .05 10	.0 .00 10	9 5.1 10	84 7.9 10	5 3.5 10	1 .6 10	0 .0 10
5.0	MEAN S.D. N	6.9 2.88 10	.5 .23 10	6.0 2.62 10	.2 .11 10	.1 .04 10	.0 .00 10	8 2.1 10	87 3.7 10	4 1.7 10	1 .6 10	0 .0 10
20.0	MEAN S.D. N	6.2 1.80 10	.5 .17 10	5.4 1.72 10	.2 .14 10	.1 .04 10	.0 .00 10	8 2.7 10	86 4.6 10	4 2.1 10	1 .7 10	0 .0 10

Table 8

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	8.55	15.6	45.9	53.7	18.3	34.1	1142
	S.D.	.446	.69	1.83	1.52	.56	.55	164.6
	N	10	10	10	10	10	10	10
0.5	MEAN	8.77	15.8	46.7	53.3	18.0	33.9	1092
	S.D.	.441	.56	1.45	1.68	.48	.53	104.7
	N	10	10	10	10	10	10	10
2.0	MEAN	8.68	15.7	46.5	53.6	18.1	33.7	1168
	S.D.	.456	.60	1.65	2.19	.60	.47	189.6
	N	10	10	10	10	10	10	10
5.0	MEAN	8.57	15.2	45.2	52.8	17.8	33.7	1078
	S.D.	.478	.63	1.61	1.64	.48	.49	155.6
	N	10	10	10	10	10	10	10
20.0	MEAN	8.23	15.1	44.6	54.2	18.4	33.9	1139
	S.D.	.216	.51	1.30	1.42	.51	.38	124.3
	N	10	10	10	10	10	10	10

Table 8

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

[illegible]

Table 8
Summary of Clinical Hematology Data
Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN 8.00 S.D. .535 N 10	15.3 .87 10	45.2 2.58 10	56.6 1.18 10	19.1 .25 10	33.8 .57 10	1061 68.5 10
0.5	MEAN 8.22 S.D. .377 N 10	15.5 .59 10	46.0 1.80 10	56.0 1.93 10	18.9 .74 10	33.7 .91 10	1143 67.8 10
2.0	MEAN 8.06 S.D. .253 N 10	15.2 .58 10	45.2 1.76 10	56.1 2.37 10	18.8 .72 10	33.6 .57 10	1070 93.4 10
5.0	MEAN 7.97 S.D. .453 N 10	15.2 .70 10	45.0 2.17 10	56.5 1.32 10	19.0 .41 10	33.7 .65 10	1082 64.7 10
20.0	MEAN 7.87 S.D. .247 N 10	15.1 .67 10	44.2 1.82 10	56.2 1.64 10	19.2 .59 10	34.1 1.08 10	1144 122.9 10

Table 8

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

[illegible]

Table 9
Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN	8.78	15.7	46.1	52.6	17.9	34.0	1235
	S.D.	.471	.58	1.96	1.60	.56	.34	171.4
	N	10	10	10	10	10	10	10
0.5	MEAN	8.84	15.5	46.0	52.1	17.6	33.7	1270
	S.D.	.629	.84	2.34	1.63	.60	.31	138.4
	N	10	10	10	10	10	10	10
2.0	MEAN	8.82	15.5	45.6	51.8	17.5	33.9	1237
	S.D.	.301	.54	1.62	1.01	.45	.38	127.7
	N	10	10	10	10	10	10	10
5.0	MEAN	9.04	15.8	46.6	51.6	17.4	33.8	1217
	S.D.	.439	.60	1.84	1.40	.58	.36	116.4
	N	10	10	10	10	10	10	10
20.0	MEAN	8.67	15.1	44.7	51.6	17.4	33.8	1287
	S.D.	.252	.62	1.22	2.06	.83	.57	162.9
	N	10	10	10	10	10	10	10

Table 9

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE	WBC	N-SEG	LYMPH	MONO	EOSIN	BASO	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%	
ppm T-6295	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL						
-----							-----	-----	-----	-----	-----	
0	MEAN	7.5	1.3	5.0	1.0	.2	.0	18	67	13	2	1
	S.D.	1.43	.29	1.14	.23	.08	.05	4.1	3.9	2.1	1.0	.5
	N	10	10	10	10	10	10	10	10	10	10	10
0.5	MEAN	8.2	1.5	5.6	.9	.2	.0	19	67	11	2	1
	S.D.	1.42	.31	1.40	.19	.03	.05	5.6	6.2	2.3	.7	.5
	N	10	10	10	10	10	10	10	10	10	10	10
2.0	MEAN	8.7	1.7	5.7	1.0	.2	.0	19	66	12	2	0
	S.D.	1.53	.52	1.28	.26	.07	.04	6.1	7.8	2.2	.6	.5
	N	10	10	10	10	10	10	10	10	10	10	10
5.0	MEAN	8.6	1.6	5.7	1.2	.2	.0	19	65	14	2	1
	S.D.	1.88	.31	1.74	.32	.05	.05	4.5	6.7	3.0	.4	.5
	N	10	10	10	10	10	10	10	10	10	10	10
20.0	MEAN	8.7	1.6	5.9	1.0	.1	.0	18	68	12	2	0
	S.D.	1.88	.42	1.41	.28	.05	.04	3.2	4.9	2.6	.7	.5
	N	10	10	10	10	10	10	10	10	10	10	10

Table 9
Summary of Clinical Hematology Data
Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN 7.56 S.D. .563 N 10	14.6 .97 10	43.5 3.16 10	57.6 1.06 10	19.2 .33 10	33.4 .63 10	1051 121.7 10
0.5	MEAN 7.93 S.D. .639 N 10	14.9 .52 10	44.8 1.92 10	56.8 2.94 10	18.9 1.18 10	33.3 .35 10	1057 127.0 10
2.0	MEAN 8.00 S.D. .312 N 10	15.1 .66 10	45.2 1.94 10	56.5 1.44 10	18.9 .53 10	33.4 .32 10	1074 75.0 10
5.0	MEAN 8.12 S.D. .353 N 10	15.3 * .61 10	46.1 * 1.61 10	56.8 1.20 10	18.9 .57 10	33.3 .44 10	1095 131.4 10
20.0	MEAN 7.73 S.D. .398 N 10	14.5 .53 10	43.3 1.70 10	56.1 1.87 10	18.8 .66 10	33.5 .39 10	1062 153.7 10

Table 9
Summary of Clinical Hematology Data
Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%	
-----							-----	-----	-----	-----	-----	
0	MEAN	5.5	.9	4.0	.6	.1	.0	16	72	10	2	0
	S.D.	.77	.54	.63	.26	.10	.03	9.1	9.9	3.3	1.3	.4
	N	10	10	10	10	10	10	10	10	10	10	10
0.5	MEAN	6.7	1.1	5.0	.5	.1	.0	14	77	7	2	0
	S.D.	4.82	1.22	3.24	.33	.05	.03	5.3	5.6	3.2	.6	.3
	N	10	10	10	10	10	10	10	10	10	10	10
2.0	MEAN	4.8	.7	3.6	.4	.1	.0	15	74	8	2	0
	S.D.	1.17	.21	.97	.18	.03	.00	3.1	6.0	3.4	1.1	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0	MEAN	6.1	.8	4.7	.5	.1	.0	14	76	8	2	0
	S.D.	1.95	.23	1.74	.24	.05	.00	4.8	6.5	3.9	.6	.4
	N	10	10	10	10	10	10	10	10	10	10	10
20.0	MEAN	5.9	.9	4.4	.4	.1	.0	16	75	7	2	0
	S.D.	1.61	.55	1.41	.18	.04	.00	8.4	10.7	3.2	1.0	.5
	N	10	10	10	10	10	10	10	10	10	10	10

Table 10
Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL
0	MEAN 8.33 S.D. .286 N 10	15.5 .70 10	43.5 2.02 10	52.3 1.70 10	18.6 .59 10	35.6 .38 10	1112 155.9 10
0.5	MEAN 8.33 S.D. .266 N 10	15.2 .21 10	43.4 .77 10	52.1 1.23 10	18.3 .57 10	35.1 .49 10	1059 172.9 10
2.0	MEAN 8.11 S.D. .288 N 10	14.9 .64 10	42.5 1.63 10	52.4 1.79 10	18.4 .75 10	35.1 .36 10	931 * 108.6 10
5.0	MEAN 8.43 S.D. .536 N 10	15.2 .45 10	43.7 1.56 10	52.0 2.41 10	18.0 .94 10	34.7 * .58 10	1011 111.9 10
20.0	MEAN 8.28 S.D. .360 N 9	14.9 .71 9	41.7 1.74 9	50.4 1.58 9	17.9 .47 9	35.6 .49 9	1241 124.3 9

Table 10
Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE	WBC	N-SEG	LYMPH	MONO	EOSIN	BASO	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%	
ppm T-6295	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL	X10 ³ /μL						
-----							-----	-----	-----	-----	-----	
0	MEAN	7.1	2.4	3.6	.9	.1	.0	34	51	13	2	0
	S.D.	1.33	.96	.96	.26	.05	.00	11.9	10.6	3.2	.6	.4
	N	10	10	10	10	10	10	10	10	10	10	10
0.5	MEAN	7.8	1.7	4.9 *	1.1	.1	.0	22 *	63 *	14	2	0
	S.D.	1.59	.31	1.10	.32	.06	.03	3.0	4.0	2.5	.7	.4
	N	10	10	10	10	10	10	10	10	10	10	10
2.0	MEAN	8.6	2.1	5.4 *	1.0	.1	.0	22 *	64 *	11	1	0
	S.D.	2.97	1.64	1.20	.65	.04	.03	7.6	10.2	4.5	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0	MEAN	8.5	2.0	5.4 *	.9	.1	.0	24	63 *	11	2	0
	S.D.	1.63	.74	1.28	.33	.04	.00	6.2	7.9	2.6	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
20.0	MEAN	7.3	2.3	4.0	.8	.1	.0	30	56	12	2	0
	S.D.	1.78	1.58	1.29	.42	.03	.03	12.3	15.1	5.0	.5	.3
	N	9	9	9	9	9	9	9	9	9	9	9

Table 10
Summary of Clinical Hematology Data
Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC X10 ⁶ /μL	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT X10 ³ /μL

0	MEAN	7.39	14.5	40.5	54.9	19.6	35.7	1009
	S.D.	.485	.76	1.84	1.64	.60	.31	80.9
	N	10	10	10	10	10	10	10
0.5	MEAN	7.26	14.2	41.0	56.6	19.7	34.7 *	908
	S.D.	.695	1.04	3.11	2.40	.94	.42	99.0
	N	10	10	10	10	10	10	10
2.0	MEAN	7.31	14.3	41.1	56.3	19.7	34.9 *	851 *
	S.D.	.566	.61	1.91	2.32	.89	.45	101.9
	N	10	10	10	10	10	10	10
5.0	MEAN	7.32	14.2	41.1	56.2	19.5	34.7 *	837 *
	S.D.	.479	.56	1.73	1.96	.83	.40	85.9
	N	10	10	10	10	10	10	10
20.0	MEAN	7.05	13.5	38.1	54.0	19.2	35.5	1023
	S.D.	.881	1.66	4.56	1.25	.46	.29	113.7
	N	10	10	10	10	10	10	10

Table 10

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	WBC X10 ³ /μL	N-SEG X10 ³ /μL	LYMPH X10 ³ /μL	MONO X10 ³ /μL	EOSIN X10 ³ /μL	BASO X10 ³ /μL	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0	MEAN S.D. N	4.2 1.72 10	1.6 1.16 10	1.9 .57 10	.5 .16 10	.1 .00 10	.0 10.5 10	49 8.8 10	12 3.2 10	2 .8 10	0 .0 10
0.5	MEAN S.D. N	4.7 1.53 10	1.0 .28 10	3.1 * 1.27 10	.5 .20 10	.1 .03 10	.0 4.7 10	64 * 7.2 10	12 4.6 10	2 .8 10	0 .3 10
2.0	MEAN S.D. N	5.2 1.28 10	1.5 .54 10	3.1 * .94 10	.5 .16 10	.1 .05 10	.0 7.4 10	59 8.6 10	10 2.5 10	3 .7 10	0 .0 10
5.0	MEAN S.D. N	4.2 1.27 10	1.2 .58 10	2.5 .70 10	.5 .19 10	.1 .04 10	.0 8.2 10	60 8.2 10	11 3.9 10	2 .8 10	0 .3 10
20.0	MEAN S.D. N	5.4 2.33 10	2.1 1.94 10	2.6 .90 10	.5 .27 10	.1 .04 10	.0 17.1 10	53 17.6 10	10 2.5 10	2 1.0 10	0 .4 10

Table 11
Summary of Clinical Chemistry Data
Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	97	12	.6	6.2	4.4	1.8	.1	49
	S.D.	11.4	1.2	.18	.43	.26	.32	.09	6.6
	N	10	10	10	10	10	10	10	10
0.5	MEAN	97	12	.6	6.4	4.6	1.8	.1	49
	S.D.	5.2	1.8	.06	.33	.29	.31	.09	6.5
	N	10	10	10	10	10	10	10	10
2.0	MEAN	91	12	.6	6.0	4.5	1.6	.1	44
	S.D.	10.8	1.3	.14	.33	.29	.16	.08	8.6
	N	10	10	10	10	10	10	10	10
5.0	MEAN	94	12	.6	6.3	4.6	1.7	.0	48
	S.D.	8.9	2.1	.10	.29	.19	.15	.05	15.3
	N	10	10	10	10	10	10	10	10
20.0	MEAN	84 *	13	.6	6.3	4.6	1.7	.1	45
	S.D.	5.0	1.5	.12	.23	.18	.13	.09	13.7
	N	10	10	10	10	10	10	10	10

Table 11
Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	
-----		-----	-----	-----	-----	-----	-----	-----	
0	MEAN S.D. N	122 26.4 10	31 3.4 10	1 1.3 10	10.7 .41 10	10.0 .54 10	148 1.6 10	6.3 .69 10	104 1.5 10
0.5	MEAN S.D. N	146 28.9 10	32 4.2 10	0 .7 10	10.7 .31 10	9.5 .62 10	147 1.3 10	6.3 .42 10	104 1.1 10
2.0	MEAN S.D. N	104 22.6 10	28 5.2 10	1 1.6 10	10.6 .41 10	10.1 .39 10	148 1.4 10	6.2 .71 10	105 1.1 10
5.0	MEAN S.D. N	114 17.2 10	30 3.8 10	0 .7 10	10.9 .28 10	9.8 .62 10	147 1.4 10	6.2 .62 10	103 2.2 10
20.0	MEAN S.D. N	131 19.9 10	33 3.0 10	1 1.3 10	10.6 .31 10	9.8 .59 10	148 1.4 10	6.1 .58 10	103 .9 10

Table 11
Summary of Clinical Chemistry Data
Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN 114	14	.7	6.9	5.1	1.8	.1	72
	S.D. 7.1	1.7	.10	.14	.11	.16	.10	11.5
	N 10	10	10	10	10	10	10	10
0.5	MEAN 111	13	.8	6.8	5.0	1.8	.0	70
	S.D. 7.0	1.8	.09	.16	.18	.23	.07	25.8
	N 10	10	10	10	10	10	10	10
2.0	MEAN 113	14	.8	6.8	5.1	1.7	.0	61
	S.D. 17.9	1.8	.13	.39	.32	.19	.07	17.7
	N 10	10	10	10	10	10	10	10
5.0	MEAN 109	13	.7	7.1	5.3	1.8	.0	58
	S.D. 11.0	1.2	.08	.35	.31	.17	.04	14.8
	N 10	10	10	10	10	10	10	10
20.0	MEAN 107	14	.7	6.8	5.2	1.6	.0	54
	S.D. 7.7	1.8	.10	.35	.19	.18	.10	10.7
	N 10	10	10	10	10	10	10	10

Table 11
Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	
0	MEAN S.D. N	123 28.2 10	32 4.8 10	0 .7 10	10.8 .34 10	8.5 .90 10	145 1.0 10	5.9 .43 10	104 1.3 10
0.5	MEAN S.D. N	120 37.2 10	31 5.6 10	1 1.4 10	10.6 .31 10	8.4 1.03 10	145 .8 10	6.1 .45 10	104 .9 10
2.0	MEAN S.D. N	101 12.2 10	29 5.6 10	2 2.0 10	10.7 .37 10	8.5 1.08 10	147 1.3 10	6.2 .51 10	106 1.2 10
5.0	MEAN S.D. N	112 23.9 10	32 5.1 10	2 1.3 10	10.7 .35 10	7.9 .83 10	147 2.2 10	6.1 .41 10	105 1.5 10
20.0	MEAN S.D. N	92 * 16.0 10	32 7.1 10	1 1.1 10	10.6 .24 10	8.2 1.47 10	146 1.8 10	6.0 .56 10	105 1.1 10

Table 11

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE		PCOAO
ppm T-6295		IU/G
-----		-----
0		
	MEAN	9
	S.D.	2.2
	N	5
0.5		
	MEAN	9
	S.D.	2.3
	N	5
2.0		
	MEAN	7
	S.D.	4.0
	N	5
5.0		
	MEAN	8
	S.D.	.8
	N	5
20.0		
	MEAN	6
	S.D.	1.4
	N	5

Table 11
Summary of Clinical Chemistry Data
Females Week 4
104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	PCOAO IU/G
-----	-----
0	
MEAN	5
S.D.	1.5
N	5
0.5	
MEAN	6
S.D.	1.1
N	5
2.0	
MEAN	3
S.D.	1.7
N	5
5.0	
MEAN	2 *
S.D.	1.1
N	5
20.0	
MEAN	4
S.D.	1.1
N	5

Table 12
Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	102	13	.4	6.9	4.9	2.0	.2	63
	S.D.	6.5	1.8	.14	.41	.26	.30	.18	13.4
	N	10	10	10	10	10	10	10	10
0.5	MEAN	106	14	.6	7.0	5.0	2.0	.2	53
	S.D.	11.2	1.6	.14	.34	.20	.26	.15	16.6
	N	10	10	10	10	10	10	10	10
2.0	MEAN	91	13	.5	6.7	4.7	2.0	.1	51
	S.D.	13.7	2.0	.10	.34	.16	.25	.12	14.5
	N	10	10	10	10	10	10	10	10
5.0	MEAN	99	14	.6	7.0	4.9	2.1	.2	57
	S.D.	8.9	1.4	.12	.46	.29	.20	.15	6.9
	N	10	10	10	10	10	10	10	10
20.0	MEAN	95	16 *	.6	6.9	4.9	2.0	.1	37 *
	S.D.	10.3	1.6	.16	.34	.24	.18	.13	12.9
	N	10	10	10	10	10	10	10	10

Table 12
Summary of Clinical Chemistry Data
Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

[illegible]

Table 12
Summary of Clinical Chemistry Data
Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL	
-----	-----	-----	-----	-----	-----	-----	-----	-----	
0	MEAN S.D. N	106 12.0 10	15 1.7 10	.6 .12 10	7.6 .34 10	5.6 .25 10	2.1 .22 10	.1 .19 10	75 14.9 10
0.5	MEAN S.D. N	106 9.1 10	15 3.2 10	.6 .13 10	8.2 * .42 10	6.2 * .44 10	2.0 .19 10	.2 .14 10	88 27.1 10
2.0	MEAN S.D. N	108 5.9 10	15 2.3 10	.8 * .12 10	7.9 .30 10	5.9 .24 10	2.0 .22 10	.1 .08 10	87 23.9 10
5.0	MEAN S.D. N	95 * 8.3 10	15 2.0 10	.6 .14 10	8.0 .44 10	5.9 .43 10	2.1 .31 10	.2 .14 10	70 13.4 10
20.0	MEAN S.D. N	99 6.7 10	18 * 2.5 10	.6 .05 10	8.0 .45 10	6.1 * .33 10	1.9 .19 10	.2 .14 10	66 14.0 10

Table 12
Summary of Clinical Chemistry Data
Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0	MEAN	103	34	1	10.7	6.3	148	6.0	107
	S.D.	16.3	2.4	1.2	.45	.95	2.0	.43	.9
	N	10	10	10	10	10	10	10	10
0.5	MEAN	107	36	1	11.1	6.4	148	6.4	106
	S.D.	17.8	9.1	1.7	.49	1.30	2.1	.76	1.6
	N	10	10	10	10	10	10	10	10
2.0	MEAN	103	37	1	10.9	6.5	148	6.2	105
	S.D.	26.9	17.9	1.4	.43	.87	3.0	.71	1.4
	N	10	10	10	10	10	10	10	10
5.0	MEAN	103	34	2	10.7	6.6	148	5.8	107
	S.D.	16.5	4.7	1.9	.51	1.14	2.8	.72	1.9
	N	10	10	10	10	10	10	10	10
20.0	MEAN	90	39	1	10.8	6.5	148	6.2	106
	S.D.	20.7	18.2	1.5	.30	.77	2.6	.57	3.0
	N	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		PCOAO IU/G
-----		-----
0	MEAN	5
	S.D.	1.3
	N	5
0.5	MEAN	5
	S.D.	3.3
	N	5
2.0	MEAN	5
	S.D.	3.0
	N	5
5.0	MEAN	2
	S.D.	1.8
	N	5
20.0	MEAN	5
	S.D.	1.9
	N	5

Table 12

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	PCOAO IU/G
-----	-----
0	
MEAN	2
S.D.	1.6
N	5
0.5	
MEAN	3
S.D.	2.4
N	5
2.0	
MEAN	1
S.D.	.7
N	5
5.0	
MEAN	2
S.D.	2.6
N	5
20.0	
MEAN	5
S.D.	2.9
N	5

Table 13
Summary of Clinical Chemistry Data
Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	115	12	.7	7.3	4.9	2.4	.2	89
	S.D.	8.1	2.3	.10	.43	.28	.34	.12	24.7
	N	10	10	10	10	10	10	10	10
0.5	MEAN	117	13	.8	7.1	4.7	2.4	.3	84
	S.D.	14.7	1.7	.16	.48	.30	.33	.06	31.8
	N	10	10	10	10	10	10	10	10
2.0	MEAN	114	13	.8	7.2	4.8	2.4	.4	74
	S.D.	13.2	2.3	.08	.29	.23	.26	.16	15.5
	N	10	10	10	10	10	10	10	10
5.0	MEAN	113	14	.7	7.4	4.9	2.5	.3	72
	S.D.	11.7	2.5	.16	.45	.28	.24	.12	28.2
	N	10	10	10	10	10	10	10	10
20.0	MEAN	111	17 *	.8	7.5	5.1	2.4	.2	46 *
	S.D.	12.8	2.1	.15	.34	.25	.19	.10	11.6
	N	10	10	10	10	10	10	10	10

Table 13
Summary of Clinical Chemistry Data
Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0	MEAN	84	37	1	11.1	6.7	146	6.7	104
	S.D.	17.8	6.2	1.3	.36	.36	1.1	.23	2.0
	N	10	10	10	10	10	10	10	10
0.5	MEAN	81	36	2	11.1	6.9	147	7.0	104
	S.D.	13.0	6.1	1.8	.43	.59	1.8	.53	1.4
	N	10	10	10	10	10	10	10	10
2.0	MEAN	92	47	1	11.1	6.8	147	6.7	104
	S.D.	22.0	10.5	.6	.28	.30	1.9	.54	1.5
	N	10	10	10	10	10	10	10	10
5.0	MEAN	80	38	1	11.3	7.1	148	6.9	104
	S.D.	9.7	6.3	1.4	.57	.62	1.9	.46	1.4
	N	10	10	10	10	10	10	10	10
20.0	MEAN	103	65	1	11.2	7.3	147	6.9	104
	S.D.	53.6	48.7	1.9	.34	.92	2.5	.65	1.4
	N	10	10	10	10	10	10	10	10

Table 13
Summary of Clinical Chemistry Data
Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	104	14	.9	8.9	6.4	2.5	.4	115
	S.D.	7.3	1.3	.17	.37	.41	.20	.14	26.0
	N	10	10	10	10	10	10	10	10
0.5	MEAN	98	15	.9	8.4	6.2	2.3	.3	95
	S.D.	6.3	2.1	.21	.66	.59	.29	.10	29.0
	N	10	10	10	10	10	10	10	10
2.0	MEAN	99	15	1.0	8.4	6.0	2.4	.3	78 *
	S.D.	8.2	1.9	.16	.71	.65	.26	.13	16.3
	N	10	10	10	10	10	10	10	10
5.0	MEAN	98	15	.9	8.3	5.9	2.3	.3	79 *
	S.D.	10.0	3.2	.14	.39	.28	.29	.15	10.9
	N	10	10	10	10	10	10	10	10
20.0	MEAN	94	20 *	.9	8.7	6.4	2.3	.4	80 *
	S.D.	6.8	2.8	.13	.55	.37	.31	.14	24.4
	N	10	10	10	10	10	10	10	10

Table 13
Summary of Clinical Chemistry Data
Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0	MEAN	119	64	2	11.7	6.7	148	5.8	106
	S.D.	71.9	49.4	2.0	.34	.77	2.1	.71	2.3
	N	10	10	10	10	10	10	10	10
0.5	MEAN	102	34	2	11.7	6.5	147	5.9	106
	S.D.	18.6	8.4	1.5	.67	.74	2.2	.69	1.9
	N	10	10	10	10	10	10	10	10
2.0	MEAN	143	77	2	11.2 *	6.4	148	5.8	107
	S.D.	116.7	130.6	2.0	.38	.96	2.4	.57	1.8
	N	10	10	10	10	10	10	10	10
5.0	MEAN	117	47	4	11.2	6.7	148	6.0	108
	S.D.	39.6	25.8	1.7	.37	.75	1.9	.63	2.0
	N	10	10	10	10	10	10	10	10
20.0	MEAN	117	64	2	11.5	7.3	148	6.0	106
	S.D.	62.6	55.5	2.6	.44	1.20	2.9	.67	2.0
	N	10	10	10	10	10	10	10	10

Table 14
Summary of Clinical Chemistry Data
Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L	
0	MEAN S.D. N	106 27.0 10	54 65.8 10	0 .0 10	10.5 .39 10	6.3 .42 10	147 1.6 10	5.9 .44 10	106 1.8 10
0.5	MEAN S.D. N	118 38.8 10	62 * 51.8 10	0 .5 10	11.4 * .41 10	7.1 * .34 10	148 2.5 10	6.5 .55 10	106 1.9 10
2.0	MEAN S.D. N	111 16.6 10	40 7.5 10	0 .8 10	11.0 * .43 10	7.2 * .59 10	149 2.4 10	6.6 .56 10	107 1.7 10
5.0	MEAN S.D. N	130 21.9 10	44 8.3 10	0 1.3 10	11.1 * .55 10	7.7 * .64 10	149 3.5 10	6.8 * .63 10	107 2.4 10
20.0	MEAN S.D. N	129 70.0 9	83 * 84.4 9	1 1.3 9	10.5 .41 9	7.0 * .61 9	148 3.5 9	6.2 .89 9	110 * 2.1 9

Table 14
Summary of Clinical Chemistry Data
Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0	MEAN	119	50	0	10.6	5.8	146	5.1	106
	S.D.	61.0	30.2	.3	.54	.90	2.4	.47	2.6
	N	10	10	10	10	10	10	10	10
0.5	MEAN	115	43	0	11.1 *	5.8	147	5.8	106
	S.D.	15.3	7.1	.5	.48	.83	3.6	1.04	3.7
	N	10	10	10	10	10	10	10	10
2.0	MEAN	121	54	1	10.8	5.6	147	5.1	107
	S.D.	21.4	14.5	1.3	.24	.58	2.1	.45	2.5
	N	10	10	10	10	10	10	10	10
5.0	MEAN	108	46	1	11.0	5.5	147	5.4	108
	S.D.	25.1	19.5	1.7	.29	.74	1.8	.65	3.2
	N	10	10	10	10	10	10	10	10
20.0	MEAN	93	46	0	10.6	5.9	147	5.3	110
	S.D.	17.5	17.3	.3	.47	.65	3.1	1.00	2.7
	N	10	10	10	10	10	10	10	10

Table 14
Summary of Clinical Chemistry Data
Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	129	10	.6	7.0	4.4	2.6	.0	120
	S.D.	13.2	1.4	.17	.46	.35	.33	.07	44.6
	N	10	10	10	10	10	10	10	10
0.5	MEAN	125	12	.7	7.4	4.8	2.6	.2	129
	S.D.	12.5	1.2	.09	.26	.26	.28	.16	53.1
	N	10	10	10	10	10	10	10	10
2.0	MEAN	121	12 *	.7	7.3	4.7	2.6	.1	89
	S.D.	13.8	1.5	.15	.38	.20	.32	.09	17.7
	N	10	10	10	10	10	10	10	10
5.0	MEAN	121	14 *	.7	7.6 *	4.8	2.7	.1	92
	S.D.	8.0	1.3	.16	.46	.28	.32	.12	15.2
	N	10	10	10	10	10	10	10	10
20.0	MEAN	110 *	13 *	.7	7.0	4.6	2.4	.0	50 *
	S.D.	10.2	2.3	.09	.61	.55	.23	.03	17.8
	N	9	9	9	9	9	9	9	9

Table 14
Summary of Clinical Chemistry Data
Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN 111	11	.7	7.7	5.5	2.2	.0	116
	S.D. 10.1	2.5	.10	1.04	.81	.38	.07	19.8
	N 10	10	10	10	10	10	10	10
0.5	MEAN 102	13	.7	8.1	5.8	2.3	.2	108
	S.D. 8.4	2.3	.25	.44	.34	.19	.14	26.1
	N 10	10	10	10	10	10	10	10
2.0	MEAN 96 *	13	.8	8.0	5.5	2.5	.1	101
	S.D. 12.9	2.2	.15	.45	.44	.46	.11	17.2
	N 10	10	10	10	10	10	10	10
5.0	MEAN 97 *	14 *	.8	8.2	5.8	2.4	.1	110
	S.D. 6.3	2.9	.19	.31	.32	.30	.13	49.6
	N 10	10	10	10	10	10	10	10
20.0	MEAN 98 *	16 *	.8	7.9	5.7	2.2	.0	79
	S.D. 9.8	2.8	.14	.76	.81	.39	.10	25.5
	N 10	10	10	10	10	10	10	10

Table 15
Summary of Clinical Urinalysis Data
Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0	MEAN	21.4	1.010	7.0
	S.D.	11.72	.0036	.16
	N	10	10	10
0.5	MEAN	22.6	1.014	7.0
	S.D.	14.76	.0080	.24
	N	10	10	10
2.0	MEAN	25.3	1.010	7.0
	S.D.	16.35	.0073	.33
	N	10	10	10
5.0	MEAN	31.8	1.009	7.2
	S.D.	14.52	.0055	.24
	N	10	10	10
20.0	MEAN	22.6	1.012	7.0
	S.D.	9.78	.0069	.00
	N	10	10	10

Table 15
Summary of Clinical Urinalysis Data
Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	10.9	1.019	6.8
S.D.	13.48	.0103	.26
N	10	10	10
0.5			
MEAN	15.2	1.015	6.8
S.D.	16.13	.0106	.24
N	10	10	10
2.0			
MEAN	14.2	1.015	6.8
S.D.	17.68	.0087	.26
N	10	10	10
5.0			
MEAN	13.2	1.014	6.8
S.D.	7.12	.0060	.24
N	10	10	10
20.0			
MEAN	17.5	1.013	6.8
S.D.	16.39	.0083	.26
N	10	10	10

Table 16
Summary of Clinical Urinalysis Data
Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH

0	MEAN	28.8	1.014	7.2
	S.D.	16.45	.0099	.34
	N	10	10	10
0.5	MEAN	23.5	1.018	7.1
	S.D.	16.23	.0140	.39
	N	10	10	10
2.0	MEAN	20.8	1.018	7.0
	S.D.	17.37	.0099	.37
	N	10	10	10
5.0	MEAN	25.4	1.014	7.0
	S.D.	14.27	.0067	.33
	N	10	10	10
20.0	MEAN	18.5	1.019	7.0
	S.D.	14.64	.0073	.28
	N	10	10	10

Table 16

Summary of Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	17.5	1.020	6.8
S.D.	21.04	.0166	.26
N	10	10	10
0.5			
MEAN	16.8	1.016	7.0
S.D.	17.86	.0090	.50
N	10	10	10
2.0			
MEAN	7.8	1.021	6.8
S.D.	6.43	.0082	.35
N	10	10	10
5.0			
MEAN	25.7	1.009	6.8
S.D.	14.20	.0050	.35
N	10	10	10
20.0			
MEAN	19.5	1.015	6.9
S.D.	17.83	.0119	.32
N	10	10	10

Table 17
Summary of Clinical Urinalysis Data
Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	15.2	1.022	6.9
S.D.	7.12	.0105	.32
N	10	10	10
0.5			
MEAN	16.2	1.017	7.1
S.D.	8.42	.0056	.21
N	10	10	10
2.0			
MEAN	16.2	1.019	7.0
S.D.	6.79	.0053	.37
N	10	10	10
5.0			
MEAN	20.4	1.019	7.0
S.D.	15.70	.0107	.24
N	10	10	10
20.0			
MEAN	17.9	1.029	6.8
S.D.	16.42	.0231	.26
N	10	10	10

Table 17
Summary of Clinical Urinalysis Data
Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH

0	MEAN	17.6	1.016	6.6
	S.D.	17.05	.0142	.21
	N	10	10	10
0.5	MEAN	15.9	1.016	6.6
	S.D.	12.34	.0089	.34
	N	10	10	10
2.0	MEAN	15.6	1.016	6.8
	S.D.	12.72	.0092	.24
	N	10	10	10
5.0	MEAN	21.6	1.014	6.9
	S.D.	14.18	.0104	.32
	N	10	10	10
20.0	MEAN	13.7	1.022	6.6
	S.D.	11.58	.0170	.37
	N	10	10	10

Table 18
Summary of Clinical Urinalysis Data
Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	12.5	1.025	6.6
S.D.	7.75	.0110	.32
N	10	10	10
0.5			
MEAN	18.0	1.026	6.7
S.D.	13.20	.0123	.26
N	10	10	10
2.0			
MEAN	16.2	1.021	7.1 *
S.D.	7.90	.0063	.42
N	10	10	9
5.0			
MEAN	11.6	1.032	6.9
S.D.	7.53	.0182	.39
N	10	10	10
20.0			
MEAN	11.0	1.028	6.9
S.D.	4.55	.0074	.49
N	9	9	9

Table 18
Summary of Clinical Urinalysis Data
Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH

0	MEAN 9.1 S.D. 2.00 N 10	1.022 .0039 10	6.5 .33 10
0.5	MEAN 7.7 S.D. 4.07 N 10	1.025 .0070 10	6.6 .52 10
2.0	MEAN 9.0 S.D. 5.46 N 10	1.025 .0114 10	6.5 .33 10
5.0	MEAN 8.3 S.D. 12.54 N 10	1.030 .0105 10	6.6 .41 10
20.0	MEAN 10.1 S.D. 13.35 N 10	1.028 .0117 10	6.2 .26 10

Table 18
Summary of Clinical Urinalysis Data
Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH

0	MEAN	12.5	1.025	6.6
	S.D.	7.75	.0110	.32
	N	10	10	10
0.5	MEAN	18.0	1.026	6.7
	S.D.	13.20	.0123	.26
	N	10	10	10
2.0	MEAN	16.2	1.021	7.1 *
	S.D.	7.90	.0063	.42
	N	10	10	9
5.0	MEAN	11.6	1.032	6.9
	S.D.	7.53	.0182	.39
	N	10	10	10
20.0	MEAN	11.0	1.028	6.9
	S.D.	4.55	.0074	.49
	N	9	9	9

Table 18

Summary of Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U VOL ML	SP GR	U PH
-----	-----	-----	-----
0			
MEAN	9.1	1.022	6.5
S.D.	2.00	.0039	.33
N	10	10	10
0.5			
MEAN	7.7	1.025	6.6
S.D.	4.07	.0070	.52
N	10	10	10
2.0			
MEAN	9.0	1.025	6.5
S.D.	5.46	.0114	.33
N	10	10	10
5.0			
MEAN	8.3	1.030	6.6
S.D.	12.54	.0105	.41
N	10	10	10
20.0			
MEAN	10.1	1.028	6.2
S.D.	13.35	.0117	.26
N	10	10	10

Table 19

Summary of Urine Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
-----		-----	-----	-----	-----
0					
	MEAN	12	65	.22	1.18
	S.D.	3.5	20.2	.092	.258
	N	10	10	9	9
0.5					
	MEAN	19	86	.29	1.35
	S.D.	13.9	53.4	.096	.191
	N	10	10	9	9
2.0					
	MEAN	13	65	.24	1.18
	S.D.	9.5	42.5	.114	.211
	N	10	10	7	7
5.0					
	MEAN	14	54	.40	1.47
	S.D.	7.9	32.0	.186	.289
	N	10	10	7	7
20.0					
	MEAN	17	68	.28	1.23
	S.D.	16.4	39.1	.086	.175
	N	10	10	10	10

Table 19

Summary of Urine Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0	MEAN	22	103	.13	.56
	S.D.	10.6	59.9	.049	.198
	N	10	10	9	9
0.5	MEAN	23	86	.15	.59
	S.D.	18.0	74.1	.071	.152
	N	10	10	8	8
2.0	MEAN	28	80	.20	.57
	S.D.	16.7	43.9	.069	.198
	N	10	10	8	8
5.0	MEAN	22	70	.24 *	.75
	S.D.	12.2	34.1	.076	.222
	N	10	10	10	10
20.0	MEAN	20	67	.18	.66
	S.D.	12.3	40.2	.048	.130
	N	10	10	8	8

Table 20

Summary of Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0	MEAN	32	77	.22	.54
	S.D.	23.2	53.0	.058	.172
	N	9	9	6	6
0.5	MEAN	27	70	.20	.56
	S.D.	17.6	43.6	.065	.212
	N	10	10	8	8
2.0	MEAN	43	106	.26	.63
	S.D.	21.2	44.1	.146	.234
	N	10	10	10	10
5.0	MEAN	16	42	.31	.88
	S.D.	9.1	25.2	.085	.281
	N	10	10	8	8
20.0	MEAN	37	69	.35	.65
	S.D.	40.5	68.9	.197	.259
	N	10	10	8	8

Table 20

Summary of Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0	MEAN	20	60	.43	1.17
	S.D.	17.1	50.1	.255	.294
	N	10	10	7	7
0.5	MEAN	25	87	.38	1.13
	S.D.	16.5	80.7	.165	.314
	N	10	10	8	8
2.0	MEAN	23	82	.33	1.01
	S.D.	12.5	56.0	.180	.372
	N	10	10	8	8
5.0	MEAN	22	65	.44	1.33
	S.D.	11.7	34.8	.104	.226
	N	10	10	8	8
20.0	MEAN	26	89	.37	1.24
	S.D.	13.2	37.8	.182	.438
	N	10	10	10	10

Table 21

Summary of Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL

0	MEAN	18	71	.14	.58
	S.D.	18.0	68.2	.070	.241
	N	10	10	8	8
0.5	MEAN	14	74	.16	.79
	S.D.	9.9	50.2	.055	.212
	N	10	10	9	9
2.0	MEAN	21	70	.19	.66
	S.D.	18.1	49.9	.083	.158
	N	10	10	10	10
5.0	MEAN	18	67	.22	.84
	S.D.	17.2	56.7	.139	.280
	N	10	10	9	9
20.0	MEAN	32	96	.21	.73
	S.D.	37.4	85.7	.119	.270
	N	10	10	10	10

Table 21

Summary of Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
-----		-----	-----	-----	-----
0	MEAN	22	116	.29	1.43
	S.D.	14.5	67.1	.153	.422
	N	10	10	10	10
0.5	MEAN	16	77	.22	1.10
	S.D.	10.0	28.1	.098	.234
	N	10	10	10	10
2.0	MEAN	24	93	.35	1.27
	S.D.	9.9	25.3	.192	.333
	N	9	9	9	9
5.0	MEAN	21	89	.30	1.22
	S.D.	15.5	65.7	.122	.394
	N	10	10	8	8
20.0	MEAN	46	139	.41	1.31
	S.D.	42.4	114.5	.226	.532
	N	10	10	8	8

Table 22

Summary of Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL

0	MEAN	32	133	.34	1.30
	S.D.	15.5	65.6	.141	.390
	N	10	10	10	10
0.5	MEAN	23	144	.27	1.65
	S.D.	18.2	103.4	.158	.354
	N	10	10	9	9
2.0	MEAN	21	96	.31	1.40
	S.D.	11.4	30.6	.168	.401
	N	10	10	10	10
5.0	MEAN	32	168	.27	1.41
	S.D.	21.5	105.3	.115	.228
	N	10	10	10	10
20.0	MEAN	46	145	.49	1.51
	S.D.	20.0	36.4	.215	.473
	N	9	9	9	9

Table 22

Summary of Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
-----	-----	-----	-----	-----
0				
MEAN	40	135	.36	1.19
S.D.	14.8	42.4	.122	.337
N	10	10	10	10
0.5				
MEAN	28	132	.22	.87 *
S.D.	13.6	51.3	.163	.278
N	10	10	10	10
2.0				
MEAN	23 *	140	.18	.99
S.D.	8.8	69.9	.081	.307
N	10	10	10	10
5.0				
MEAN	37	172	.21	.76 *
S.D.	14.5	80.9	.147	.239
N	10	10	10	10
20.0				
MEAN	42	164	.26	.93
S.D.	22.7	85.4	.186	.226
N	10	10	9	9

TABLE 23
Summary of Organ Weight Data
Week 14 Sacrifice

Covance 6329-183
3M T-6295

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0331	0.0068	0.0151
STANDARD DEV:		55.9	0.0016	0.0010	0.0011
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0296	0.0061	0.0133
STANDARD DEV:		51.3	0.0071	0.0011	0.0032
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0305	0.0071	0.0133
STANDARD DEV:		31.4	0.0082	0.0023	0.0032

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0443	0.0159	0.0217
STANDARD DEV:		39.2	0.0073	0.0038	0.0042
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0346	0.0115	0.0166
STANDARD DEV:		40.8	0.0062	0.0009	0.0034
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0383	0.0146	0.0189
STANDARD DEV:		16.3	0.0060	0.0034	0.0028

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Summary of Organ Weight Data
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
		5	5	5	5
	NUMBER IN GROUP:	524.2	0.0330	0.0063	0.0146
	MEAN:	44.5	0.0063	0.0008	0.0034
	STANDARD DEV:				
M	5				
		5	5	5	5
	NUMBER IN GROUP:	470.3	0.0250	0.0053	0.0114
	MEAN:	40.1	0.0032	0.0004	0.0005
	STANDARD DEV:				

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
		5	5	5	5
	NUMBER IN GROUP:	246.7	0.0355	0.0144	0.0172
	MEAN:	17.5	0.0072	0.0026	0.0037
	STANDARD DEV:				
F	5				
		5	5	5	5
	NUMBER IN GROUP:	249.1	0.0345	0.0140	0.0172
	MEAN:	26.1	0.0043	0.0024	0.0035
	STANDARD DEV:				

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Summary of Organ Weight Data
Week 14 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0302	0.0062	0.0137
STANDARD DEV:		55.9	0.0051	0.0013	0.0021
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0247	0.0051	0.0112
STANDARD DEV:		51.3	0.0094	0.0016	0.0043
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0286	0.0066	0.0126
STANDARD DEV:		31.4	0.0079	0.0019	0.0034

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0417	0.0150	0.0204
STANDARD DEV:		39.2	0.0093	0.0043	0.0050
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0322	0.0108	0.0154
STANDARD DEV:		40.8	0.0056	0.0013	0.0028
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0373	0.0141	0.0184
STANDARD DEV:		16.3	0.0052	0.0025	0.0022

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	524.2	0.0318	0.0060	0.0140		MEAN:	246.7	0.0329	0.0133	0.0159
	STANDARD DEV:	44.5	0.0072	0.0010	0.0032		STANDARD DEV:	17.5	0.0042	0.0013	0.0018
M	5					F	5				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	470.3	0.0253	0.0054	0.0115		MEAN:	249.1	0.0323	0.0131	0.0161
	STANDARD DEV:	40.1	0.0044	0.0009	0.0012		STANDARD DEV:	26.1	0.0052	0.0028	0.0041

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

BRAIN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	2.2027	0.4499	1.0000
STANDARD DEV:		55.9	0.0998	0.0620	0.0000
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	2.2216	0.4652	1.0000
STANDARD DEV:		51.3	0.1022	0.0408	0.0000
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	2.2768	0.5280	1.0000
STANDARD DEV:		31.4	0.0980	0.0621	0.0000

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	2.0506	0.7302	1.0000
STANDARD DEV:		39.2	0.0895	0.0796	0.0000
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	2.0992	0.7123	1.0000
STANDARD DEV:		40.8	0.1878	0.1139	0.0000
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	2.0240	0.7647	1.0000
STANDARD DEV:		16.3	0.0532	0.0623	0.0000

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

BRAIN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	2.2740	0.4366	1.0000	MEAN:		246.7	2.0631	0.8388	1.0000
STANDARD DEV:		44.5	0.1332	0.0471	0.0000	STANDARD DEV:		17.5	0.0817	0.0509	0.0000
M	5					F	5				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	2.1876	0.4655	1.0000	MEAN:		249.1	2.0375	0.8187	1.0000
STANDARD DEV:		40.1	0.2136	0.0318	0.0000	STANDARD DEV:		26.1	0.2129	0.0414	0.0000

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	1.9158	0.3867	0.8733
STANDARD DEV:		55.9	0.2630	0.0350	0.1428
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	1.8856	0.3920	0.8470
STANDARD DEV:		51.3	0.2315	0.0241	0.0779
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	1.8856	0.4356	0.8295
STANDARD DEV:		31.4	0.1583	0.0413	0.0808

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	1.1576	0.4123	0.5650
STANDARD DEV:		39.2	0.1245	0.0616	0.0618
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	1.1245	0.3787	0.5385
STANDARD DEV:		40.8	0.1201	0.0384	0.0695
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	1.1610	0.4377	0.5741
STANDARD DEV:		16.3	0.0565	0.0231	0.0345

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	2.0510	0.3919	0.9034
STANDARD DEV:		44.5	0.2638	0.0448	0.1208
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	1.9496	0.4174	0.9001
STANDARD DEV:		40.1	0.1517	0.0525	0.1341

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	1.1187	0.4531	0.5420
STANDARD DEV:		17.5	0.1230	0.0345	0.0551
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	1.1562	0.4675	0.5708
STANDARD DEV:		26.1	0.0619	0.0456	0.0446

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Summary of Organ Weight Data
Week 14 Sacrifice

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.8989	0.3849	0.8647		MEAN:	284.0	1.1863	0.4224	0.5792
	STANDARD DEV:	55.9	0.1660	0.0314	0.0988		STANDARD DEV:	39.2	0.1066	0.0567	0.0548
M	2					F	2				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.8373	0.3834	0.8262		MEAN:	298.9	1.1307	0.3796	0.5417
	STANDARD DEV:	51.3	0.1452	0.0238	0.0350		STANDARD DEV:	40.8	0.1396	0.0294	0.0788
M	3					F	3				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.9428	0.4487	0.8551		MEAN:	265.7	1.1545	0.4347	0.5713
	STANDARD DEV:	31.4	0.1201	0.0321	0.0730		STANDARD DEV:	16.3	0.0706	0.0131	0.0472

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
		5	5	5	5			5	5	5	5
	NUMBER IN GROUP:	524.2	2.0560	0.3930	0.9070		NUMBER IN GROUP:	246.7	1.1446	0.4626	0.5543
	MEAN:	44.5	0.2362	0.0415	0.1245		MEAN:	17.5	0.1468	0.0307	0.0637
	STANDARD DEV:						STANDARD DEV:				
M	5					F	5				
		5	5	5	5			5	5	5	5
	NUMBER IN GROUP:	470.3	1.9357	0.4152	0.8945		NUMBER IN GROUP:	249.1	1.1993	0.4844	0.5914
	MEAN:	40.1	0.1823	0.0634	0.1506		MEAN:	26.1	0.0960	0.0497	0.0490
	STANDARD DEV:						STANDARD DEV:				

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LIVER

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	15.8246	3.2105	7.2089
	STANDARD DEV:	55.9	1.1470	0.2501	0.7794
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	15.5356	3.2119	6.9828
	STANDARD DEV:	51.3	2.6697	0.2424	1.1308
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	14.0264	3.2296	6.1829
	STANDARD DEV:	31.4	1.3506	0.1645	0.7912

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	9.2939	3.2663	4.5286
	STANDARD DEV:	39.2	1.5941	0.2219	0.6977
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	9.1934	3.0785	4.3942
	STANDARD DEV:	40.8	1.2506	0.1365	0.5841
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	8.4060	3.1686	4.1509
	STANDARD DEV:	16.3	0.6870	0.2526	0.2786

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LIVER

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	18.8254	3.5758	8.3121
STANDARD DEV:		44.5	3.0304	0.3075	1.5632
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	20.3339*	4.3329*	9.3597*
STANDARD DEV:		40.1	2.2244	0.4281	1.3157

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	8.7074	3.5252	4.2249
STANDARD DEV:		17.5	1.0293	0.2630	0.5225
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	10.5929	4.2760*	5.2213
STANDARD DEV:		26.1	0.6685	0.3527	0.3041

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LUNG

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.9239	0.3910	0.8773		MEAN:	284.0	1.4837	0.5274	0.7235
	STANDARD DEV:	55.9	0.1514	0.0406	0.1103		STANDARD DEV:	39.2	0.1221	0.0581	0.0500
M	2					F	2				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.7946	0.3760	0.8099		MEAN:	298.9	1.4581	0.4954	0.6992
	STANDARD DEV:	51.3	0.1266	0.0428	0.0776		STANDARD DEV:	40.8	0.0258	0.0702	0.0644
M	3					F	3				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.8522	0.4291	0.8137		MEAN:	265.7	1.2902*	0.4859	0.6369
	STANDARD DEV:	31.4	0.2526	0.0704	0.1089		STANDARD DEV:	16.3	0.1419	0.0476	0.0603

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LUNG

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	2.6655	0.5072	1.1500
STANDARD DEV:		44.5	1.5011	0.2769	0.5633
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	1.7721	0.3767	0.8107
STANDARD DEV:		40.1	0.1713	0.0158	0.0351

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	1.3227*	0.5390	0.6420
STANDARD DEV:		17.5	0.1112	0.0628	0.0599
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	1.2912*	0.5210	0.6394
STANDARD DEV:		26.1	0.1316	0.0596	0.0970

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	5					NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5					MEAN:	284.0	0.0807	0.0292	0.0394
	STANDARD DEV:	55.9					STANDARD DEV:	39.2	0.0147	0.0081	0.0069
M	2					F	2				
	NUMBER IN GROUP:	5					NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0					MEAN:	298.9	0.0707	0.0235	0.0339
	STANDARD DEV:	51.3					STANDARD DEV:	40.8	0.0169	0.0027	0.0080
M	3					F	3				
	NUMBER IN GROUP:	5					NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1					MEAN:	265.7	0.0674	0.0254	0.0333
	STANDARD DEV:	31.4					STANDARD DEV:	16.3	0.0094	0.0035	0.0049

Table 23
Summary of Organ Weight Data
Week 14 Sacrifice

Covance 6329-183
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		5
		MEAN:	524.2					MEAN:	246.7	0.0768	0.0371
		STANDARD DEV:	44.5					STANDARD DEV:	17.5	0.0129	0.0058
M	5					F	5				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		5
		MEAN:	470.3					MEAN:	249.1	0.0737	0.0362
		STANDARD DEV:	40.1					STANDARD DEV:	26.1	0.0164	0.0068

Table 23
Summary of Organ Weight Data
Week 14 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	495.5					MEAN:	284.0	0.0731	0.0261
		STANDARD DEV:	55.9					STANDARD DEV:	39.2	0.0060	0.0043
M	2					F	2				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	481.0					MEAN:	298.9	0.0700	0.0233
		STANDARD DEV:	51.3					STANDARD DEV:	40.8	0.0180	0.0038
M	3					F	3				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	434.1					MEAN:	265.7	0.0707	0.0266
		STANDARD DEV:	31.4					STANDARD DEV:	16.3	0.0154	0.0053

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Summary of Organ Weight Data
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
NUMBER IN GROUP:		5				NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2				MEAN:		246.7	0.0769	0.0310	0.0373
STANDARD DEV:		44.5				STANDARD DEV:		17.5	0.0191	0.0066	0.0094
M	5					F	5				
NUMBER IN GROUP:		5				NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3				MEAN:		249.1	0.0699	0.0280	0.0343
STANDARD DEV:		40.1				STANDARD DEV:		26.1	0.0086	0.0012	0.0018

Table 23
Summary of Organ Weight Data
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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

SPLEEN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	0.7759	0.1575	0.3526		MEAN:	284.0	0.5129	0.1822	0.2501
	STANDARD DEV:	55.9	0.0794	0.0174	0.0364		STANDARD DEV:	39.2	0.0444	0.0196	0.0174
M	2					F	2				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	0.7825	0.1612	0.3510		MEAN:	298.9	0.5494	0.1845	0.2617
	STANDARD DEV:	51.3	0.1814	0.0229	0.0728		STANDARD DEV:	40.8	0.1033	0.0302	0.0415
M	3					F	3				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	0.7287	0.1686	0.3201		MEAN:	265.7	0.5110	0.1926	0.2529
	STANDARD DEV:	31.4	0.0928	0.0250	0.0404		STANDARD DEV:	16.3	0.0445	0.0160	0.0275

Table 23
Summary of Organ Weight Data
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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

SPLEEN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	0.7046	0.1341	0.3120
STANDARD DEV:		44.5	0.1067	0.0120	0.0619
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	0.7754	0.1650	0.3543
STANDARD DEV:		40.1	0.0826	0.0135	0.0103

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	0.4750	0.1930	0.2303
STANDARD DEV:		17.5	0.0247	0.0099	0.0107
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	0.4326*	0.1749	0.2141
STANDARD DEV:		26.1	0.0310	0.0182	0.0255

Table 23
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5			
MEAN:		495.5	1.7498	0.3560	0.7964	MEAN:		284.0			
STANDARD DEV:		55.9	0.2466	0.0582	0.1237	STANDARD DEV:		39.2			
M	2					F	2				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5			
MEAN:		481.0	1.7146	0.3581	0.7711	MEAN:		298.9			
STANDARD DEV:		51.3	0.1818	0.0344	0.0617	STANDARD DEV:		40.8			
M	3					F	3				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5			
MEAN:		434.1	1.6809	0.3887	0.7394	MEAN:		265.7			
STANDARD DEV:		31.4	0.0700	0.0308	0.0461	STANDARD DEV:		16.3			

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Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
		NUMBER IN GROUP:	5	5	5			NUMBER IN GROUP:	5		
		MEAN:	524.2	1.6548	0.3177			MEAN:	246.7		
		STANDARD DEV:	44.5	0.1429	0.0390			STANDARD DEV:	17.5		
M	5					F	5				
		NUMBER IN GROUP:	5	5	5			NUMBER IN GROUP:	5		
		MEAN:	470.3	1.6454	0.3504			MEAN:	249.1		
		STANDARD DEV:	40.1	0.1290	0.0163			STANDARD DEV:	26.1		

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Summary of Organ Weight Data
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.7446	0.3544	0.7945
	STANDARD DEV:	55.9	0.2362	0.0524	0.1246
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.6989	0.3548	0.7642
	STANDARD DEV:	51.3	0.1610	0.0310	0.0531
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.6716	0.3863	0.7356
	STANDARD DEV:	31.4	0.0876	0.0289	0.0557

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
	NUMBER IN GROUP:	5			
	MEAN:	284.0			
	STANDARD DEV:	39.2			
F	2				
	NUMBER IN GROUP:	5			
	MEAN:	298.9			
	STANDARD DEV:	40.8			
F	3				
	NUMBER IN GROUP:	5			
	MEAN:	265.7			
	STANDARD DEV:	16.3			

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
		5	5	5	5			5			
	NUMBER IN GROUP:	524.2	1.6615	0.3190	0.7299		NUMBER IN GROUP:	246.7			
	MEAN:	44.5	0.1437	0.0402	0.0263		MEAN:	17.5			
	STANDARD DEV:						STANDARD DEV:				
M	5					F	5				
		5	5	5	5			5			
	NUMBER IN GROUP:	470.3	1.6738	0.3567	0.7686		NUMBER IN GROUP:	249.1			
	MEAN:	40.1	0.0932	0.0134	0.0513		MEAN:	26.1			
	STANDARD DEV:						STANDARD DEV:				

Table 23
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0162	0.0032	0.0074
STANDARD DEV:		55.9	0.0098	0.0015	0.0046
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0121	0.0025	0.0054
STANDARD DEV:		51.3	0.0025	0.0004	0.0009
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0140	0.0033	0.0060
STANDARD DEV:		31.4	0.0091	0.0025	0.0036

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0069	0.0024	0.0033
STANDARD DEV:		39.2	0.0015	0.0004	0.0006
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0098	0.0033	0.0047
STANDARD DEV:		40.8	0.0025	0.0006	0.0011
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0080	0.0030	0.0040
STANDARD DEV:		16.3	0.0028	0.0011	0.0014

Table 23
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

LF THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	0.0143	0.0028	0.0063
STANDARD DEV:		44.5	0.0045	0.0011	0.0020
M	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	0.0114	0.0025	0.0053
STANDARD DEV:		40.1	0.0016	0.0005	0.0013

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	0.0091	0.0037*	0.0044
STANDARD DEV:		17.5	0.0008	0.0005	0.0004
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	0.0077	0.0031*	0.0038
STANDARD DEV:		26.1	0.0012	0.0003	0.0005

Table 23
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	0.0171	0.0034	0.0078		MEAN:	284.0	0.0097	0.0035	0.0047
	STANDARD DEV:	55.9	0.0080	0.0012	0.0038		STANDARD DEV:	39.2	0.0033	0.0015	0.0015
M	2					F	2				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	0.0132	0.0027	0.0059		MEAN:	298.9	0.0110	0.0037	0.0052
	STANDARD DEV:	51.3	0.0038	0.0006	0.0016		STANDARD DEV:	40.8	0.0024	0.0008	0.0008
M	3					F	3				
	NUMBER IN GROUP:	5	5	5	5		NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	0.0126	0.0029	0.0055		MEAN:	265.7	0.0116	0.0044	0.0057
	STANDARD DEV:	31.4	0.0017	0.0005	0.0007		STANDARD DEV:	16.3	0.0062	0.0023	0.0029

Table 23
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

RT THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4					F	4				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5	5	5	5
MEAN:		524.2	0.0159	0.0031	0.0069	MEAN:		246.7	0.0097	0.0039	0.0047
STANDARD DEV:		44.5	0.0058	0.0013	0.0023	STANDARD DEV:		17.5	0.0013	0.0005	0.0005
M	5					F	5				
NUMBER IN GROUP:		5	5	5	5	NUMBER IN GROUP:		5	5	5	5
MEAN:		470.3	0.0104	0.0022	0.0048	MEAN:		249.1	0.0095	0.0038	0.0047
STANDARD DEV:		40.1	0.0014	0.0004	0.0008	STANDARD DEV:		26.1	0.0011	0.0003	0.0004

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Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

UTERUS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	495.5					MEAN:	284.0	0.8644	0.3157
		STANDARD DEV:	55.9					STANDARD DEV:	39.2	0.3226	0.1459
M	2					F	2				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	481.0					MEAN:	298.9	0.5986	0.2010
		STANDARD DEV:	51.3					STANDARD DEV:	40.8	0.1521	0.0486
M	3					F	3				
		NUMBER IN GROUP:	5					NUMBER IN GROUP:	5		
		MEAN:	434.1					MEAN:	265.7	0.8368	0.3125
		STANDARD DEV:	31.4					STANDARD DEV:	16.3	0.3843	0.1335

Table 23
Summary of Organ Weight Data
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=2; SUBSET=ALL

UTERUS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	4				
NUMBER IN GROUP:		5			
MEAN:		524.2			
STANDARD DEV:		44.5			
M	5				
NUMBER IN GROUP:		5			
MEAN:		470.3			
STANDARD DEV:		40.1			

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	4				
NUMBER IN GROUP:		5	5	5	5
MEAN:		246.7	0.9249	0.3815	0.4478
STANDARD DEV:		17.5	0.3717	0.1685	0.1731
F	5				
NUMBER IN GROUP:		5	5	5	5
MEAN:		249.1	0.7984	0.3306	0.3974
STANDARD DEV:		26.1	0.4389	0.1980	0.2223

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LF ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	0.0313	0.0044	0.0135
STANDARD DEV:		105.5	0.0076	0.0010	0.0036
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	0.0263	0.0040	0.0112
STANDARD DEV:		142.5	0.0046	0.0008	0.0018

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	0.0501	0.0129	0.0235
STANDARD DEV:		101.9	0.0290	0.0091	0.0135
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	0.0311*	0.0095	0.0141*
STANDARD DEV:		39.7	0.0053	0.0022	0.0024

Table 24
Summary of Organ Weight Data
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

RT ADRENAL

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
NUMBER IN GROUP:		9	9	9	9	NUMBER IN GROUP:		10	10	10	10
MEAN:		713.4	0.0275	0.0039	0.0119	MEAN:		414.5	0.0368	0.0093	0.0172
STANDARD DEV:		105.5	0.0060	0.0010	0.0028	STANDARD DEV:		101.9	0.0072	0.0027	0.0032
M	5					F	5				
NUMBER IN GROUP:		9	9	9	9	NUMBER IN GROUP:		10	10	10	10
MEAN:		668.6	0.0262	0.0040	0.0111	MEAN:		331.9*	0.0318	0.0097	0.0144*
STANDARD DEV:		142.5	0.0031	0.0007	0.0011	STANDARD DEV:		39.7	0.0037	0.0016	0.0019

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

BRAIN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	2.3308	0.3320	1.0000
STANDARD DEV:		105.5	0.1344	0.0442	0.0000
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	2.3485	0.3644	1.0000
STANDARD DEV:		142.5	0.0730	0.0722	0.0000

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	2.1293	0.5376	1.0000
STANDARD DEV:		101.9	0.0884	0.1129	0.0000
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	2.2148	0.6752*	1.0000
STANDARD DEV:		39.7	0.1036	0.0817	0.0000

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LF KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	2.3449	0.3327	1.0078
STANDARD DEV:		105.5	0.1955	0.0397	0.0857
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	2.4193	0.3712	1.0322
STANDARD DEV:		142.5	0.2614	0.0597	0.1260

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	1.3621	0.3357	0.6391
STANDARD DEV:		101.9	0.2284	0.0458	0.1000
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	1.3638	0.4149*	0.6171
STANDARD DEV:		39.7	0.1321	0.0532	0.0668

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

RT KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	2.3577	0.3340	1.0129
STANDARD DEV:		105.5	0.2008	0.0348	0.0842
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	2.4080	0.3690	1.0271
STANDARD DEV:		142.5	0.2312	0.0529	0.1109

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	1.4200	0.3498	0.6665
STANDARD DEV:		101.9	0.2361	0.0447	0.1046
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	1.3769	0.4193*	0.6224
STANDARD DEV:		39.7	0.1375	0.0574	0.0631

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LIVER

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	713.4	20.0275	2.8113	8.6130		MEAN:	414.5	11.5769	2.8031	5.4312
	STANDARD DEV:	105.5	3.0980	0.2044	1.4054		STANDARD DEV:	101.9	3.0344	0.3109	1.3763
M	5					F	5				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	668.6	26.6325*	4.0039*	11.3659*		MEAN:	331.9*	13.8907	4.2047*	6.2883
	STANDARD DEV:	142.5	5.5590	0.5449	2.4751		STANDARD DEV:	39.7	1.8568	0.5156	0.8921

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LUNG

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	2.1599	0.3061	0.9293
STANDARD DEV:		105.5	0.2545	0.0413	0.1174
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	2.0477	0.3151	0.8719
STANDARD DEV:		142.5	0.1879	0.0524	0.0758

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	1.6819	0.4215	0.7913
STANDARD DEV:		101.9	0.2502	0.0901	0.1262
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	1.5740	0.4797	0.7114
STANDARD DEV:		39.7	0.0922	0.0598	0.0433

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LF OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
NUMBER IN GROUP:		9				NUMBER IN GROUP:		10	10	10	10
MEAN:		713.4				MEAN:		414.5	0.0562	0.0138	0.0265
STANDARD DEV:		105.5				STANDARD DEV:		101.9	0.0192	0.0045	0.0092
M	5					F	5				
NUMBER IN GROUP:		9				NUMBER IN GROUP:		10	10	10	10
MEAN:		668.6				MEAN:		331.9*	0.0557	0.0170	0.0253
STANDARD DEV:		142.5				STANDARD DEV:		39.7	0.0123	0.0040	0.0061

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

RT OVARY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9			
MEAN:		713.4			
STANDARD DEV:		105.5			
M	5				
NUMBER IN GROUP:		9			
MEAN:		668.6			
STANDARD DEV:		142.5			

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	0.1357	0.0321	0.0630
STANDARD DEV:		101.9	0.2404	0.0549	0.1107
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	0.0561	0.0171	0.0254
STANDARD DEV:		39.7	0.0129	0.0044	0.0062

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

SPLEEN

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	713.4	0.9792	0.1382	0.4208		MEAN:	414.5	0.5577	0.1368	0.2611
	STANDARD DEV:	105.5	0.0975	0.0100	0.0427		STANDARD DEV:	101.9	0.1021	0.0178	0.0419
M	5					F	5				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	668.6	0.8287*	0.1252*	0.3529*		MEAN:	331.9*	0.5491	0.1650*	0.2468
	STANDARD DEV:	142.5	0.1514	0.0133	0.0635		STANDARD DEV:	39.7	0.1344	0.0306	0.0537

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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LF TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	1.8551	0.2641	0.7968
STANDARD DEV:		105.5	0.3741	0.0658	0.1645
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	1.6414	0.2531	0.6995
STANDARD DEV:		142.5	0.3094	0.0628	0.1325

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10			
MEAN:		414.5			
STANDARD DEV:		101.9			
F	5				
NUMBER IN GROUP:		10			
MEAN:		331.9*			
STANDARD DEV:		39.7			

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
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TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

RT TESTIS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	1.8759	0.2683	0.8100
STANDARD DEV:		105.5	0.1801	0.0491	0.1189
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	1.6551	0.2560	0.7054
STANDARD DEV:		142.5	0.2786	0.0631	0.1203

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10			
MEAN:		414.5			
STANDARD DEV:		101.9			
F	5				
NUMBER IN GROUP:		10			
MEAN:		331.9*			
STANDARD DEV:		39.7			

Table 24
Summary of Organ Weight Data
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

LF THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	0.0246	0.0035	0.0106
STANDARD DEV:		105.5	0.0060	0.0008	0.0027
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	0.0195*	0.0029	0.0083*
STANDARD DEV:		142.5	0.0041	0.0004	0.0018

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	0.0136	0.0034	0.0065
STANDARD DEV:		101.9	0.0062	0.0018	0.0034
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	0.0115	0.0034	0.0052
STANDARD DEV:		39.7	0.0036	0.0010	0.0016

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

RT THYROID/PARA

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO	SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1					F	1				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	713.4	0.0249	0.0035	0.0107		MEAN:	414.5	0.0148	0.0037	0.0070
	STANDARD DEV:	105.5	0.0048	0.0007	0.0018		STANDARD DEV:	101.9	0.0039	0.0011	0.0019
M	5					F	5				
	NUMBER IN GROUP:	9	9	9	9		NUMBER IN GROUP:	10	10	10	10
	MEAN:	668.6	0.0240	0.0036	0.0102		MEAN:	331.9*	0.0124	0.0038	0.0056
	STANDARD DEV:	142.5	0.0093	0.0013	0.0040		STANDARD DEV:	39.7	0.0046	0.0014	0.0021

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
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TABLE INCLUDES:
SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

UTERUS

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9			
MEAN:		713.4			
STANDARD DEV:		105.5			
M	5				
NUMBER IN GROUP:		9			
MEAN:		668.6			
STANDARD DEV:		142.5			

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO- BODY WT (%)	ORGAN-TO- BRAIN WT RATIO
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	1.0175	0.2557	0.4771
STANDARD DEV:		101.9	0.3207	0.0951	0.1461
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	1.0062	0.3111	0.4587
STANDARD DEV:		39.7	0.3090	0.1154	0.1545

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		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---										
TABLE INCLUDES:		SEX: -----MALE-----					-----FEMALE-----					
SEX=ALL;GROUP=1,2,3,4,5;WEEKS=ALL												
DEATH=1;SUBSET=ALL												
ORGAN AND KEYWORD(S) OR PHRASE		GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
		NUMBER:	5	5	5	5	5	5	5	5	5	5
-----		==	==	==	==	==	==	==	==	==	==	==
** TOP OF LIST **												
GENERAL COMMENT (GC)		NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
NO MACROSCOPIC LESIONS			5	5	5	5	5	5	5	5	5	5
** END OF LIST **												

TABLE 26
Incidence of Macroscopic Observations
Week 14 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
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DRAFT

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--- NUMBER OF ANIMALS AFFECTED ---											
SEX: -----MALE-----FEMALE-----											
GROUP: -1- -2- -3- -4- -5- -1- -2- -3- -4- -5-											
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	5	5	5	5	5	5	5	5	5	5

** TOP OF LIST **											
GENERAL COMMENT (GC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
NO MACROSCOPIC LESIONS		3	1	4	3	3	2	5	4	2	3
BONE MARROW SMEAR TAKEN		4	5	5	5	5	5	5	5	5	5
MALOCCLUSION		0	0	0	0	1	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	4	4	4	4	5	5	4	5
CYST(S)		0	0	0	0	0	1	0	0	0	0
LARGE PELVIS(ES)		0	1	1	1	1	0	0	0	1	0
GRANULAR MATERIAL		0	0	0	0	0	0	0	0	1	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	3	5	4	3	3
LUMEN FILLED WITH FLUID		0	0	0	0	0	2	0	1	2	2
THYMUS (TH)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	5	5	4	5	5	5	5	5
RED FOCUS(I)/AREA(S)		1	0	0	0	1	0	0	0	0	0

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[illegible]

TABLE 27
Incidence of Macroscopic Observations
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- NUMBER - OF - ANIMALS - AFFECTED ---												
		SEX:	-----MALE-----						-----FEMALE-----					
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
-----		---	---	---	---	---	---	---	---	---	---	---	---	---
** TOP OF LIST **														
GENERAL COMMENT (GC)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
NO MACROSCOPIC LESIONS			5	0	0	0	3	0	1	0	0	0	2	0
BONE MARROW SMEAR TAKEN			9	0	0	0	9	0	10	0	0	0	10	0
MALOCCLUSION			1	0	0	0	1	0	2	0	0	0	0	0
ANIMAL OBESE			2	0	0	0	1	0	0	0	0	0	0	0
EYE (EY)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0
BRAIN (BR)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
		NOT REMARKABLE:	9	0	0	0	9	0	9	0	0	0	10	0
COMPRESSED (HYPOTHALAMUS)			0	0	0	0	0	0	1	0	0	0	0	0
LIVER (LI)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	9	0
DIFFUSELY DARK			0	0	0	0	0	0	0	0	0	0	1	0
KIDNEY (KD)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

--- NUMBER OF ANIMALS AFFECTED ---

TABLE INCLUDES:		SEX: -----MALE-----						-----FEMALE-----						
SEX=ALL; GROUP=ALL; WEEKS=ALL		GROUP: -1- -2- -3- -4- -5- -6-												
DEATH=3; SUBSET=ALL														
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SPLEEN (SP)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	9	0	
CYST(S)		0	0	0	0	0	0	0	0	0	0	1	0	
PANCREAS (PA)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	9	0	0	0	10	0	
MASS(ES)		0	0	0	0	0	0	1	0	0	0	0	0	
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	9	0	0	0	10	0	
LARGE		0	0	0	0	0	0	1	0	0	0	0	0	
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
LN, MESENTERIC (MS)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	10	0	0	0	10	0	
	NOT REMARKABLE:	0	0	0	0	0	0	9	0	0	0	9	0	
LUMEN FILLED WITH FLUID		0	0	0	0	0	0	0	0	0	0	1	0	

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Incidence of Macroscopic Observations
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
		SEX:	-----MALE-----						-----FEMALE-----					
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
-----		---	---	---	---	---	---	---	---	---	---	---	---	---
** FROM PREVIOUS PAGE **														
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	10	0	0	0	10	0	
	NOT REMARKABLE:	0	0	0	0	0	0	9	0	0	0	9	0	
THICKENED WALL		0	0	0	0	0	0	1	0	0	0	0	0	
TESTIS (TE)	NUMBER EXAMINED:	9	0	0	0	9	0	0	0	0	0	0	0	
	NOT REMARKABLE:	8	0	0	0	8	0	0	0	0	0	0	0	
SMALL		1	0	0	0	1	0	0	0	0	0	0	0	
BONE, FEMUR (FE)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
MARROW, FEMUR (FM)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
MARROW, STERNUM (SE)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
BONE, STERNUM (SB)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=3; SUBSET=ALL		SEX:	-----MALE-----						-----FEMALE-----					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-	
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
		---	---	---	---	---	---	---	---	---	---	---	---	---
SPINAL CORD (SC)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
THYMUS (TH)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	8	0	10	0	0	0	10	0	
LARGE GELATINOUS		0	0	0	0	1	0	0	0	0	0	0	0	
		0	0	0	0	1	0	0	0	0	0	0	0	
LUNG (LU)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	8	0	0	0	9	0	10	0	0	0	8	0	
LIGHT FOCUS(I)/AREA(S) DARK FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	0	2	0	
		1	0	0	0	0	0	0	0	0	0	0	0	
HEART (HT)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
		SEX:	-----MALE-----						-----FEMALE-----					
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
			--	--	--	--	--	--	--	--	--	--	--	--
TRACHEA (TR)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
ESOPHAGUS (ES)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
THYROID (TY)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
PARATHYROID (PT)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
PITUITARY (PI)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	8	0	6	0	0	0	4	0	
LARGE			0	0	0	0	0	2	0	0	0	3	0	
DARK FOCUS(I)/AREA(S)			0	0	0	0	0	2	0	0	0	0	0	
RED FOCUS(I)/AREA(S)			0	0	0	0	0	0	0	0	0	2	0	
RAISED AREA(S)			0	0	0	0	0	0	0	0	0	1	0	
CYST(S)			0	0	0	0	1	0	0	0	0	0	0	
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=3; SUBSET=ALL		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
		SEX:	-----MALE-----						-----FEMALE-----					
			GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
			--	--	--	--	--	--	--	--	--	--	--	--
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
STOMACH, GL (ST)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	7	0	10	0	0	0	10	0	
RED FOCUS(I)/AREA(S) THICKENED WALL		0	0	0	0	1	0	0	0	0	0	0	0	
		0	0	0	0	1	0	0	0	0	0	0	0	
STOMACH, NONGL (SU)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	8	0	10	0	0	0	10	0	
THICKENED WALL		0	0	0	0	1	0	0	0	0	0	0	0	
DUODENUM (DU)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
JEJUNUM (JE)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
ILEUM (IL)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=3; SUBSET=ALL		SEX:	-----MALE-----						-----FEMALE-----					
		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
			--	--	--	--	--	--	--	--	--	--	--	--
CECUM (CE)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	0	10	0
COLON (CO)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	0	10	0
RECTUM (RE)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	0	10	0
SKIN (SK)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	8	0	0	0	0	10	0
CRUSTED AREA(S) LIGHT AREA(S)/FOCUS(I)		0	0	0	0	0	0	2	0	0	0	0	0	0
		0	0	0	0	0	0	1	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	0	0	0	0	0	0	6	0	0	0	0	10	0
MASS(ES) THICKENED CYST(S)		0	0	0	0	0	0	1	0	0	0	0	0	0
		0	0	0	0	0	0	1	0	0	0	0	0	0
		0	0	0	0	0	0	2	0	0	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	0	10	0

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
SEX=ALL; GROUP=ALL; WEEKS=ALL		SEX:	-----MALE-----						-----FEMALE-----					
DEATH=3; SUBSET=ALL		GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0
			--	--	--	--	--	--	--	--	--	--	--	--
CERVIX (CV)	NUMBER EXAMINED:		0	0	0	0	0	0	10	0	0	0	10	0
	NOT REMARKABLE:		0	0	0	0	0	0	9	0	0	0	10	0
MASS(ES)			0	0	0	0	0	0	1	0	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:		0	0	0	0	0	0	10	0	0	0	10	0
	NOT REMARKABLE:		0	0	0	0	0	0	9	0	0	0	10	0
CYST(S)			0	0	0	0	0	0	1	0	0	0	0	0
VAGINA (VA)	NUMBER EXAMINED:		0	0	0	0	0	0	10	0	0	0	10	0
	NOT REMARKABLE:		0	0	0	0	0	0	10	0	0	0	10	0
PROSTATE (PR)	NUMBER EXAMINED:		9	0	0	0	9	0	0	0	0	0	0	0
	NOT REMARKABLE:		9	0	0	0	9	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:		9	0	0	0	9	0	0	0	0	0	0	0
	NOT REMARKABLE:		9	0	0	0	9	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:		9	0	0	0	9	0	0	0	0	0	0	0
	NOT REMARKABLE:		9	0	0	0	9	0	0	0	0	0	0	0

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES: SEX=ALL; GROUP=ALL; WEEKS=ALL DEATH=3; SUBSET=ALL		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---													
		SEX:	-----MALE-----						-----FEMALE-----						
			GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
				NUMBER:	9	0	0	0	9	0	10	0	0	0	10
ORGAN AND KEYWORD(S) OR PHRASE		NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0	
CAVITY, THORACIC (TA)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
TAIL (TI)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
LN, MANDIBULAR (MN)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	8	0	0	0	9	0	
DIFFUSELY RED			0	0	0	0	0	0	2	0	0	0	1	0	
LN, MEDIASTINAL (ML)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
LN, AXILLARY (AX)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
LN, INGUINAL (IN)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	
LN, OTHER (LN)		NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0	
		NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0	

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:

SEX=ALL; GROUP=ALL; WEEKS=ALL
DEATH=3; SUBSET=ALL

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---													
SEX: -----MALE----- FEMALE-----													
GROUP: -1- -2- -3- -4- -5- -6- -1- -2- -3- -4- -5- -6-													
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	9	0	0	0	9	0	10	0	0	0	10	0

LN, RENAL (RL)	NUMBER EXAMINED:	9	0	0	0	9	0	10	0	0	0	10	0
	NOT REMARKABLE:	9	0	0	0	9	0	10	0	0	0	10	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	9	0	0	0	9	0	0	0	0	0	0	0
	NOT REMARKABLE:	9	0	0	0	9	0	0	0	0	0	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	9	0	0	0	9	0	0	0	0	0	0	0
	NOT REMARKABLE:	9	0	0	0	9	0	0	0	0	0	0	0

** END OF LIST **

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--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---												
TABLE INCLUDES: SEX=ALL; GROUP=1,2,3,4,5; WEEKS=ALL DEATH=2; FIND=ALL; SUBSET=ALL												
		SEX:	MALE					FEMALE				
		GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION		NUMBER:	5	5	5	5	5	5	5	5	5	5
			--	--	--	--	--	--	--	--	--	--
** TOP OF LIST **												
EYE (EY)		NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
		NOT REMARKABLE:	5	5	5	5	5	5	5	5	5	5
BRAIN (BR)		NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
		NOT REMARKABLE:	5	5	5	5	5	5	5	5	5	5
LIVER (LI)		NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
		NOT REMARKABLE:	0	0	0	0	0	2	0	0	0	0
--INFILTRATE, LYMPHONISTIOCYTIC			5	5	5	5	5	3	5	5	5	5
--HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR			0	0	0	5	5	0	0	0	1	4
--NECROSIS, INDIVIDUAL HEPATOCYTE			2	2	0	1	2	1	2	2	1	3
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRIOLOBULAR			0	0	0	3	4	0	1	0	0	2
--VACUOLATION, HEPATOCELLULAR, PERIportal			2	3	2	0	0	1	0	3	2	1
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR CELL			0	0	0	0	0	0	0	1	1	0
--NECROSIS, COAGULATIVE			0	0	0	0	0	0	0	1	0	0
KIDNEY (KD)		NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
		NOT REMARKABLE:	0	1	1	2	1	2	5	2	3	5
--INFILTRATE, LYMPHONISTIOCYTIC			4	2	2	3	2	3	0	3	1	0
--DILATATION, PELVIC			0	2	1	1	2	0	0	1	1	0
--MINERALIZATION, PELVIC			0	0	0	0	1	0	0	0	1	0
--REGENERATION, TUBULAR EPITHELIUM			1	0	1	3	1	1	0	0	0	0
--MINERALIZATION, TUBULAR			0	0	0	0	0	0	0	1	0	0

Table 28
Incidence of Microscopic Observations
Week 14 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
DRAFT

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--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---										
SEX: -----MALE----- FEMALE-----										
GROUP: -1- -2- -3- -4- -5- -1- -2- -3- -4- -5-										
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5	5

SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	3	4	5	4	0	0	1	0
--PIGMENT, INCREASED		2	2	1	0	1	5	5	4	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	2	5	3	4	4	5	5	3
--ATROPHY, ACINAR		0	0	0	2	1	0	0	0	1
--INFILTRATE, LYMPHOHISTIOCYTIC		0	2	0	2	1	1	0	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		1	1	0	0	0	0	0	0	0
--HYPERPLASIA, ISLET CELLS		0	0	0	1	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	3	5	5	5	4	5	5	4
--VACUOLATION, FOCAL		0	1	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	1	0	0	0	1	0	0	1
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	5	5	5	4	5	5	4
--UNILATERALLY EXAMINED		0	1	0	0	0	1	0	0	1
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	4	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	4	4	5	5	5	5
--HEMORRHAGE		0	0	0	0	1	0	0	0	0

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[illegible]

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[illegible]

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ORGAN AND FINDING DESCRIPTION

SEX: -----MALE----- -----FEMALE-----

NUMBER: 5 5 5 5 5 5 5 5 5 5

[illegible]

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[illegible]

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						--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---										
TABLE INCLUDES: SEX=ALL;GROUP=1,2,3,4,5;WEEKS=ALL DEATH=2;FIND=ALL;SUBSET=ALL						SEX: -----MALE-----					-----FEMALE-----					
						GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION						NUMBER:	5	5	5	5	5	5	5	5	5	5
						-----	--	--	--	--	--	-----	--	--	--	--
SKIN (SK)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
URINARY BLADDER (UB)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CERVIX (CV)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
VAGINA (VA)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PROSTATE (PR)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)						NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
						NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

Table 28
Incidence of Microscopic Observations
Week 14 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS
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--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---										
ORGAN AND FINDING DESCRIPTION	SEX: -----MALE-----					-----FEMALE-----				
	GROUP: -1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:	5	5	5	5	5	5	5	5	5	5

EPIDIDYMIDES (EP)	0	0	0	0	0	0	0	0	0	0
NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

** END OF LIST **

TABLE 29
Incidence of Microscopic Observations
Week 53 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:		SEX: --MALE--		--FEMALE--	
SEX=ALL;GROUP=1,5;WEEKS=ALL					
DEATH=3;FIND=ALL;SUBSET=ALL					
		GROUP: -1- -5-		-1- -5-	
ORGAN AND FINDING DESCRIPTION		NUMBER: 10 9		10 10	
-----		-- --		-- --	
** TOP OF LIST **					
EYE (EY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
BRAIN (BR)		NUMBER EXAMINED:	10	9	10
	NOT REMARKABLE:	10	9	9	10
--COMPRESSION, VENTRAL		0	0	1	0
LIVER (LI)		NUMBER EXAMINED:	10	9	10
	NOT REMARKABLE:	0	0	2	0
--INFILTRATE, LYMPHOHISTIOCYTIC		9	5	6	9
--HYPERTROPHY, HEPATOCELLULAR, CENTRIOLOBULAR		0	8	0	9
--NECROSIS, INDIVIDUAL HEPATOCYTE		0	2	3	3
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRIOLOBULAR		1	5	0	0
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		3	2	2	1
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		7	0	0	0
--HYPERPLASIA, BILE DUCT		1	0	2	3
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	0	3
--VACUOLATION, HEPATOCELLULAR		3	3	3	1
--HYPERTROPHY, HEPATOCELLULAR		0	1	0	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	1	0	0
--CYST, BILIARY		0	0	0	1
--INFLAMMATION, SUBACUTE		0	0	2	0
--PIGMENT, HEPATOCELLULAR		0	0	0	6

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- NUMBER - OF - ANIMALS - AFFECTED ---			
TABLE INCLUDES:		SEX: --MALE-- --FEMALE--			
SEX=ALL; GROUP=1,5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
		GROUP: -1- -5- -1- -5-			
ORGAN AND FINDING DESCRIPTION		NUMBER: 10 9 10 10			
		-- -- -- --			
KIDNEY (KD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	1	1	2
--INFILTRATE, LYMPHOHISTIOCYTIC		0	1	0	1
--DILATATION, PELVIC		0	0	0	1
--MINERALIZATION, PELVIC		1	0	6	4
--REGENERATION, TUBULAR EPITHELIUM		1	0	0	0
--MINERALIZATION, TUBULAR		0	1	4	6
--NEPHROPATHY, CHRONIC PROGRESSIVE		9	6	3	1
--PIGMENT, TUBULAR		0	2	1	1
--HYALINE DROPLETS, TUBULAR EPITHELIUM		0	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0
SPLEEN (SP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	2	0	0
--PIGMENT, INCREASED		10	7	10	10
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		6	2	5	2
--FIBROUS TAGS		0	0	0	1
PANCREAS (PA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	3	2	9	7
--ZymoGEN GRANULES, DECREASED		1	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	1	2
--INFILTRATE, MACROPHAGE, PIGMENTED		5	7	0	1
--HYPERPLASIA, ISLET CELLS		2	0	0	0
--ATROPHY, ACINAR		1	1	0	1

** CONTINUED ON NEXT PAGE **

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Incidence of Microscopic Observations
Week 53 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:					
SEX=ALL; GROUP=1, 5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
		SEX: --MALE--		--FEMALE--	
		GROUP: -1- -5-		-1- -5-	
ORGAN AND FINDING DESCRIPTION		NUMBER:	10	9	10
			10	9	10
--- -- -- -- --					
** FROM PREVIOUS PAGE **					
PANCREAS (PA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	3	2	9	7
--NECROSIS / INFLAMMATION, ADIPOSE TISSUE			0	0	1
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	2	2	1	0
--UNILATERALLY EXAMINED			0	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED			6	4	5
--HEMORRHAGE			0	0	1
--HYPERTROPHY, CORTICAL CELL			2	3	0
--VACUOLATION, DIFFUSE			0	1	0
--DEGENERATION, CYSTIC / HEMORRHAGIC			0	0	4
--HYPERPLASIA, CORTICAL			0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	9	9
--UNILATERALLY EXAMINED			0	0	1
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	8	10	10
--HEMORRHAGE			0	1	0

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Incidence of Microscopic Observations
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
		SEX: --MALE--		--FEMALE--	
		GROUP: -1-	-5-	-1-	-5-
ORGAN AND FINDING DESCRIPTION		NUMBER:	10	9	10
			10	10	10
TABLE INCLUDES:					
SEX=ALL; GROUP=1, 5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
OVARY (OV)		NUMBER EXAMINED:	0	0	10
		NOT REMARKABLE:	0	0	9
--CYST			0	0	1
TESTIS (TE)		NUMBER EXAMINED:	10	9	0
		NOT REMARKABLE:	8	9	0
--ATROPHY/DEGENERATION			2	0	0
--GRANULOMA, SPERM			1	0	0
BONE, FEMUR (FE)		NUMBER EXAMINED:	10	9	10
		NOT REMARKABLE:	10	9	10
MARROW, FEMUR (FM)		NUMBER EXAMINED:	10	9	10
		NOT REMARKABLE:	5	6	10
--HYPOCELLULAR, MARROW			5	3	0
--HYPERPLASIA, MYELOID, MARROW			0	0	0
MARROW, STERNUM (SE)		NUMBER EXAMINED:	10	9	10
		NOT REMARKABLE:	9	9	10
--HYPERPLASIA, MYELOID, MARROW			0	0	0
--HYPOCELLULAR, MARROW			1	0	0

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Incidence of Microscopic Observations
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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---				
ORGAN AND FINDING DESCRIPTION	SEX: --MALE--	--FEMALE--		
	GROUP: -1-	-5-	-1-	-5-
	NUMBER: 10	9	10	10

BONE, STERNUM (SB)	NUMBER EXAMINED: 10	9	10	10
	NOT REMARKABLE: 10	9	10	10
SPINAL CORD (SC)	NUMBER EXAMINED: 10	9	10	10
	NOT REMARKABLE: 10	9	10	10
THYMUS (TH)	NUMBER EXAMINED: 7	8	10	9
	NOT REMARKABLE: 5	2	7	6
--HEMORRHAGE	2	3	2	2
--DEPLETION, LYMPHOCYTIC	2	3	1	0
--M-THYMIC CARCINOMA	0	1	0	0
--CYST	0	0	0	1
LUNG (LU)	NUMBER EXAMINED: 10	9	10	10
	NOT REMARKABLE: 4	3	4	4
--CONGESTION	1	0	0	0
--EDEMA, PERIVASCULAR	3	3	2	2
--MINERALIZATION, VASCULAR	1	3	1	0
--HEMORRHAGE	1	1	2	1
--INFILTRATE, MACROPHAGE, ALVEOLAR	0	1	2	4
--INFILTRATE, LYMPHOHISTIOCYTIC	1	1	3	2

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- NUMBER - OF - ANIMALS - AFFECTED ---			
TABLE INCLUDES:		SEX: --MALE-- --FEMALE--			
SEX=ALL; GROUP=1,5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
		GROUP: -1- -5- -1- -5-			
ORGAN AND FINDING DESCRIPTION		NUMBER: 10 9 10 10			
		--- -- -- --			
HEART (HT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	7	5	8	10
		3	4	2	0
--CARDIOMYOPATHY		0	1	0	0
--HEMORRHAGE					
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
TRACHEA (TR)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	9	9	10
	NOT REMARKABLE:	10	9	9	10
THYROID (TY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	8	9	10	10
--HYPERPLASIA, C-CELL		1	0	0	0
--M-CARCINOMA, FOLLICULAR CELL		1	0	0	0

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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:					
SEX=ALL; GROUP=1,5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
		SEX: --MALE--		--FEMALE--	
		GROUP: -1- -5-		-1- -5-	
ORGAN AND FINDING DESCRIPTION		NUMBER: 10 9		10 10	
		-- -- -- --		-- -- -- --	
PARATHYROID (PT)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 10 9		10 10	
PITUITARY (PI)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 4 8		5 5	
--B-ADENOMA		4 1		4 2	
--HYPERPLASIA		2 1		1 4	
--ANGIECTASIS		1 0		3 3	
HARDERIAN GLAND (HG)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 10 8		9 9	
--INFILTRATE, LYMPHOHISTIOCYTIC		0 1		1 1	
SALIV GL, MANDIB (SG)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 10 9		10 10	
STOMACH, GL (ST)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 9 7		8 10	
--EDEMA		0 0		1 0	
--INFLAMMATION, ACUTE		1 0		2 0	
--CONGESTION		0 1		0 0	
--EROSION		0 1		0 0	

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Incidence of Microscopic Observations
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PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:		SEX: --MALE--		--FEMALE-	
SEX=ALL; GROUP=1,5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
ORGAN AND FINDING DESCRIPTION	NUMBER:	-1-	-5-	-1-	-5-
		--	--	--	--
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	9	10	10
		1	0	0	0
--ACANTHOSIS / HYPERKERATOSIS					
DUODENUM (DU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
JEJUNUM (JE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ILEUM (IL)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CECUM (CE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
COLON (CO)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

Covance 6329-183
3M T-6295

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---					
TABLE INCLUDES:					
SEX=ALL; GROUP=1, 5; WEEKS=ALL					
DEATH=3; FIND=ALL; SUBSET=ALL					
		SEX: --MALE--		--FEMALE-	
		GROUP: -1- -5-		-1- -5-	
ORGAN AND FINDING DESCRIPTION		NUMBER: 10 9		10 10	
		-- --		-- --	
RECTUM (RE)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 10 7		10 10	
--PARASITISM		0 2		0 0	
SKIN (SK)		NUMBER EXAMINED: 10 9		10 10	
		NOT REMARKABLE: 10 9		8 10	
--ACANTHOSIS/HYPERKERATOSIS		0 0		2 0	
--INFLAMMATION, CHRONIC-ACTIVE		0 0		2 0	
--ULCERATION		0 0		2 0	
--HEMORRHAGE		0 0		1 0	
--DEGENERATION, MUSCLE, SUBCUTANEOUS		0 0		1 0	
MAMMARY, FEMALE (MF)		NUMBER EXAMINED: 0 0		10 10	
		NOT REMARKABLE: 0 0		3 2	
--CYST / GALACTOCELE		0 0		3 2	
--HYPERPLASIA, GLANDULAR		0 0		4 4	
--SECRETORY MATERIAL		0 0		6 5	
--M-FIBROSARCOMA		0 0		1 0	
URINARY BLADDER (UB)		NUMBER EXAMINED: 10 9		10 9	
		NOT REMARKABLE: 7 7		10 8	
--INFILTRATE, LYMPHOHISTIOCYTIC		3 0		0 1	
--PROTEINACEOUS MATERIAL, LUMINAL		0 2		0 0	

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

Covance 6329-183
3M T-6295

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
		SEX: --MALE--		--FEMALE--	
		GROUP: -1-	-5-	-1-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	10	9	10	10
		--	--	--	--
UTERUS (UT)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	7
--DILATATION		0	0	0	3
CERVIX (CV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	10
--CYST, SQUAMOUS		0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	10	9
	NOT REMARKABLE:	0	0	10	9
PROSTATE (PR)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	4	6	0	0
--INFLAMMATION, CHRONIC-ACTIVE		5	3	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	9	7	0	0
--IMMATURE SPERM FORMS		0	1	0	0

** CONTINUED ON NEXT PAGE **

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

Covance 6329-183
3M T-6295

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- NUMBER - OF - ANIMALS - AFFECTED ---			
TABLE INCLUDES:		SEX: --MALE--		--FEMALE--	
SEX=ALL; GROUP=1, 5; WEEKS=ALL		GROUP: -1- -5-		-1- -5-	
DEATH=3; FIND=ALL; SUBSET=ALL		NUMBER: 10 9		10 10	
ORGAN AND FINDING DESCRIPTION		-----		-----	
** FROM PREVIOUS PAGE **					
EPIDIDYIMIDES (EP)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	9	7	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	1	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	0	0	0
--SCHEDULED SACRIFICE		10	9	10	10
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	1	0
	NOT REMARKABLE:	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0
--HEMORRHAGE		0	0	1	0

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

Covance 6329-183
3M T-6295

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104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
TABLE INCLUDES:		SEX: --MALE--		--FEMALE--	
SEX=ALL;GROUP=1,5;WEEKS=ALL		GROUP: -1- -5-		-1- -5-	
DEATH=3;PIND=ALL;SUBSET=ALL		NUMBER: 10 9		10 10	
ORGAN AND FINDING DESCRIPTION		--- --		--- --	
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	1	0	2	1
	NOT REMARKABLE:	0	0	0	0
--HYPERPLASIA, PLASMACYTIC		0	0	2	0
	--HEMORRHAGE	1	0	2	1
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

Table 29
Incidence of Microscopic Observations
Week 53 Sacrifice

Covance 6329-183
3M T-6295

PAGE: 13

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

--- NUMBER - OF - ANIMALS - AFFECTED ---				
ORGAN AND FINDING DESCRIPTION	SEX: --MALE--		--FEMALE--	
	GROUP: -1-	-5-	-1-	-5-
	NUMBER: 10	9	10	10
	--	--	--	--
TAIL (TI)	NUMBER EXAMINED: 0	0	0	0
	NOT REMARKABLE: 0	0	0	0

** END OF LIST **

Table 30

Results of Homogeneity Analyses (ppm)
Mixed 3/18/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Samples Location	Replicate	T-6295 (ppm)	
		0.5	20
Top	1	0.605	21.3
	2	0.588	21.4
	Mean	0.597 (119) ^a	21.4 (107)
Middle	1	0.657	23.6
	2	0.690	23.5
	Mean	0.674 (135)	23.6 (118)
Bottom	1	0.601	24.6
	2	0.631	20.4
	Mean	0.616 (123)	22.5 (113)

^a Each value in parenthesis is the percent of theoretical.

Table 30 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 4/16/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Sample Location	Replicate	T-6295 (ppm)			
		0.5	2	5	20
Top	1	0.743	2.22	5.36	18.1
	2	0.521	2.03	5.48	17.4
	3	0.406	2.12	4.04	18.4
	Mean	0.557 (111) ^a	2.12 (106)	4.96 (99.2)	18.0 (90.0)
Middle	1	0.478	2.28	4.90	19.7
	2	0.478	2.01	4.90	19.5
	3	0.486	2.09	5.28	21.3
	Mean	0.481 (96.2)	2.13 (107)	5.03 (101)	20.2 (101)
Bottom	1	0.955	2.04	4.70	17.6
	2	0.519	2.03	5.00	18.7
	3	0.359	1.84	4.94	18.4
	Mean	0.611 (122)	1.97 (98.5)	4.88 (97.6)	18.2 (91.0)

^a Each value in parenthesis is the percent of theoretical.

Table 30 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 6/18/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Sample Location	Replicate	T-6295 (ppm)			
		0.5	2	5	20
Top	1	0.566	2.38	4.87	20.3
	2	1.10	2.71	5.18	18.7
	3	0.955	2.23	4.90	18.6
	Mean	0.874 (175)	2.44 (122)	4.98 (99.6)	19.2 (96.0)
Top ^b	1	0.483	-	-	-
	2	0.480	-	-	-
	3	0.401	-	-	-
	Mean	0.455 (91.0)	-	-	-
Middle	1	0.617	2.50	5.15	18.3
	2	0.637	2.11	5.43	17.8
	3	0.635	2.05	4.70	18.2
	Mean	0.630 (126)	2.22 (111)	5.09 (102)	18.1 (90.5)
Bottom	1	0.640	3.08	5.08	19.4
	2	0.694	2.29	5.12	20.5
	3	0.532	2.41	5.15	18.2
	Mean	0.622 (124)	2.59 (130)	5.12 (102)	19.4 (97.0)

a Each value in parenthesis is the percent of theoretical.

b Reassay.

Table 30 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 04/22/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Sample Location	Replicate	T-6295 (ppm)
		20
Top	1	18.9
	2	18.4
	Mean	18.7 (93.5) ^a
Middle	1	20.1
	2	19.6
	Mean	19.9 (99.5)
Bottom	1	21.1
	2	20.1
	Mean	20.6 (103)

^a Each value in parenthesis is the percent of theoretical.

Table 31

Results of Stability Analyses (ppm)
Mixed 3/18/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Storage Conditions	Replicate	T6295 (ppm)			
		0.5	1.0	2.0	20
Initial ^a	1	0.657	1.15	2.29	23.6
	2	0.690	1.51	2.67	23.5
	Mean	0.674 (135) ^b	1.33 (133)	2.48 (124)	23.6 (118)
28 days, room temperature	1	0.507	1.11	1.94	20.7
	2	0.554	0.937	2.01	20.8
	Mean	0.531 (106)	1.02 (102)	1.98 (99.0)	20.8 (104)

a Results for the 0.5- and 20- levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.

b Each value in the parenthesis is the percent of theoretical.

Table 31 (Continued)

Results of Stability Analyses (ppm)
Mixed 4/16/98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Storage Conditions	Replicate	T6295 (ppm)			
		0.5	1.0	2.0	20
Initial ^a	1	0.478	2.28	4.90	19.7
	2	0.478	2.01	4.90	19.5
	3	0.486	2.09	5.28	21.3
	Mean	0.481 (96.2) ^b	2.13 (107)	5.03 (101)	20.2 (101)
33 days, room temperature	1	0.527	2.57	5.64	28.4
	2	0.553	2.54	5.83	22.1
	Mean	0.540 (108)	2.56 (128)	5.74 (115)	25.6 (128)

a Results were derived from the sample collected from the middle of the dose
preparations for homogeneity analysis

b Each value in the parenthesis is the percent of theoretical.

Table 32

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)			
		0.5	1.0	2.0	20
3/18/98	1	0.657	1.15	2.29	23.6
	2	0.690	1.51	2.67	23.5
	Mean	0.674 (135) ^b	1.33 (133)	2.48 (124)	23.6 (118)

a Results for the 0.5- and 20- levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.

b Each value in the parenthesis is the percent of theoretical.

Table 32 (Continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
4/16/98 ^a	1	b	0.478	2.28	4.90	19.7
	2	b	0.478	2.01	4.90	19.5
	3	-	0.486	2.09	5.28	21.3
	Mean	-	0.481 (96.2) ^c	2.13 (107)	5.03 (101)	20.2 (101)
4/23/98	1	b	0.375	2.07	6.54	19.9
	2	b	0.379	1.76	4.92	21.3
	Mean	-	0.377 (75.4)	1.92 (96.0)	5.73 (115)	20.6 (103)
4/23/98 ^d	1	-	0.674	-	0.780	-
	2	-	0.535	-	4.78	-
	Mean	-	0.605 (121)	-	2.78 (55.6)	-
4/23/98 ^e	1	-	0.517	-	4.55	-
	2	-	0.406	-	6.12	-
	Mean	-	0.462 (92.4)	-	5.34 (107)	-
4/30/98	1	b	0.551	2.12	5.55	22.6
	2	b	0.478	2.11	6.03	22.1
	Mean	-	0.515 (103)	2.12 (106)	5.79 (116)	22.4 (112)
4/30/98 ^d	1	-	-	-	5.24	-
	2	-	-	-	5.24	-
	Mean	-	-	-	5.24(105)	-

a Results for the 0.5-, 2.0-, 5.0- and 20-ppm levels were derived from the sample collected

from the middle of the dose preparations for homogeneity analysis.

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.

e Retention.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
5/7/98	1	0.962	0.406	1.73	4.37	18.2
	2	0.942	0.390	1.74	4.31	18.2
	Mean	0.952	0.398 (79.6) ^c	1.74 (87.0)	4.34 (86.8)	18.2 (91.0)
5/7/98 ^d	1	1.11	0.202	-	-	-
	2	1.12	0.557	-	-	-
	Mean	1.12	0.380 (76.0)	-	-	-
5/7/98 ^e	1	b	0.476	-	-	-
	2	b	0.347	-	-	-
	Mean	-	0.412 (82.4)	-	-	-
5/14/98	1	b	0.474	2.52	5.48	19.8
	2	b	0.402	2.54	5.06	21.5
	Mean	-	0.438 (87.6)	2.53 (127)	5.27 (105)	20.7 (104)
5/21/98 ^f	1	<0.75	0.157	1.60	4.98	19.6
	2	<0.75	0.349	1.86	6.27	20.9
	Mean	-	0.253 (50.6)	1.73 (86.5)	5.63 (113)	20.3 (102)
5/21/98 ^d	1	b	0.248	-	-	-
	2	b	0.326	-	-	-
	Mean	-	0.287 (57.4)	-	-	-
5/28/98	1	b	0.442	1.95	6.19	21.8
	2	b	0.453	2.29	6.49	22.3
	Mean	-	0.448 (89.6)	2.12 (106)	6.34 (127)	22.1 (111)

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.

e Retention.

f The low standard (0.4 ppm) was not used for the calibration curve.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
6/4/98 ^g	1	b	0.618	1.95	4.91	18.2
	2	b	0.610	1.66	5.39	20.3
	Mean	-	0.614 (123) ^c	1.81 (90.5)	5.15 (103)	19.3 (96.5)
6/11/98 ^g	1	b	0.446	2.25	5.22	19.0
	2	b	0.539	1.91	4.81	16.9
	Mean	-	0.493 (98.6)	2.08 (104)	5.02 (100)	18.0 (90.0)
6/18/98 ^a	1	b	0.617	2.50	5.15	18.3
	2	b	0.637	2.11	5.43	17.8
	3	-	0.635	2.05	4.70	18.2
	Mean	-	0.630 (126)	2.22 (111)	5.09 (102)	18.1 (90.5)
7/16/98	1	b	0.564	1.60	3.90	17.9
	2	b	0.519	1.90	4.13	17.4
	Mean	-	0.542 (108)	1.75 (87.5)	4.02 (80.4)	17.7 (88.5)
7/16/98 ^d	1	-	-	-	4.76	-
	2	-	-	-	5.41	-
	Mean	-	-	-	5.09 (102)	-
8/13/98	1	b	0.478	2.07	5.60	18.9
	2	b	0.569	2.04	4.95	19.9
	Mean	-	0.524 (105)	2.06 (103)	5.28 (106)	19.4 (97.0)

a Results for the 0.5-, 2.0-, 5.0- and 20-ppm levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.

g Reassayed due to unacceptable calibration curve for original assays.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
9/10/98	1	b	0.477	2.23	4.58	17.1
	2	b	2.28	2.27	4.64	16.8
	Mean	-	1.38 (276) ^c	2.25 (113)	4.61 (92.2)	17.0 (85.0)
9/10/98 ^d	1	-	0.213	-	-	-
	2	-	0.231	-	-	-
	Mean	-	0.222 (44.4)	-	-	-
9/10/98 ^e	1	-	1.09	-	-	-
	2	-	1.27	-	-	-
	Mean	-	1.18 (236)	-	-	-
9/10/98 ^{d,e}	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
9/10/98 ^f	1	-	0.475	-	-	-
	2	-	0.386	-	-	-
	Mean	-	0.431 (86.2)	-	-	-
10/8/98	1	b	0.836	1.79	5.68	17.9
	2	b	0.482	1.83	4.90	17.2
	Mean	-	0.659 (132)	1.81 (90.5)	5.29 (106)	17.6 (88.0)

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.

e Retention.

f Reassay of the retention.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
10/8/98 ^d	1	-	b	-	-	-
	2	-	0.649 (130) ^c	-	-	-
	Mean	-	-	-	-	-
10/8/98 ^e	1	-	0.473	-	-	-
	2	-	1.02	-	-	-
	Mean	-	0.747 (149)	-	-	-
10/8/98 ^f	1	-	0.474	-	-	-
	2	-	0.497	-	-	-
	Mean	-	0.486 (97.2)	-	-	-
11/5/98	1	b	0.546	1.84	4.33	16.3
	2	b	0.556	2.05	4.45	15.4
	Mean	-	0.551 (110)	1.95 (97.5)	4.39 (87.8)	15.9 (79.5)
12/3/98	1	b	b	1.65 ^g	3.86	14.6
	2	b	b	1.51	3.69	16.6
	Mean	-	-	1.58 (79.0)	3.78 (75.6)	15.6 (78.0)
12/3/98 ^d	1	-	0.607	1.98	-	-
	2	-	0.539	1.69	-	-
	Mean	-	0.573 (115)	1.84 (92.0)	-	-

b Below the limit of quantitation (<0.4 ppm).

d Reassay.

c Each value in the parenthesis is the percent of theoretical.

e Retention.

f Reassay of the retention

g Group will reassayed due to unacceptable chromatography.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
12/31/98	1	b	0.339	1.89	4.42	19.0
	2	b	0.246	1.69	4.71	19.4
	Mean	-	0.293 (58.6) ^c	1.79 (89.5)	4.57 (91.4)	19.2 (96.0)
12/31/98 ^d	1	-	0.442	-	-	-
	2	-	0.422	-	-	-
	Mean	-	0.432 (86.4)	-	-	-
1/28/99	1	b	e	1.67	4.71	17.6
	2	b	e	2.05	4.92	17.1
	Mean	-	-	1.86 (93.0)	4.82 (96.4)	17.4 (87.0)
1/28/99 ^d	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
1/28/99 ^d	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
2/25/99	1	1.498	0.907	2.06	5.67	20.1
	2	b	0.852	6.79	7.48	20.1
	Mean	-	0.880 (176)	4.43 (222)	6.58 (132)	20.1 (101)
2/25/99 ^d	1	b	0.450	1.64	4.91	-
	2	b	0.526	2.06	4.56	-
	Mean	b	0.488 (97.6)	1.85 (92.5)	4.74 (94.8)	-

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.

e This level was outside of the modified standard curve and will be retested.

Table 32 (continued)

Results of Dose Preparation Analysis (ppm)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE
SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Mix Date	Replicate	T-6295 (ppm)				
		0	0.5	2.0	5.0	20
3/25/99	1	b	0.414 (82.8) ^c	1.91	5.44	18.5
	2	b	b	2.97	5.59	19.9
	Mean	-	-	2.44 (122)	5.52 (110)	19.2 (96.0)
3/25/99 ^d	1	-	1.63	2.18	-	-
	2	-	0.702	1.91	-	-
	Mean	-	1.17 (234)	2.05 (103)	-	-
4/22/99	1	b	b	1.97	4.73	17.7
	2	b	b	2.04	5.72	18.8
	Mean	-	-	2.01 (101)	5.23 (105)	18.3 (91.5)
4/22/99 ^d	1	-	0.431	-	5.06	-
	2	-	0.405	-	4.90	-
	Mean	-	0.418 (83.6)	-	4.98 (99.6)	-
5/20/99	1	b	0.582	1.76	4.65	17.8
	2	b	0.531	1.68	4.67	20.1
	Mean	-	0.557 (111)	1.72 (86.0)	4.66 (93.2)	19.0 (95.0)

b Below the limit of quantitation (<0.4 ppm).

c Each value in the parenthesis is the percent of theoretical.

d Reassay.