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FINAL REPORT

PROTOCOL 418-008

COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS

SPONSOR'S STUDY NUMBER: 6295.9

FINAL REPORT DATE: 10 JUNE 1999

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TABLE OF CONTENTS

SUBJECT		PAGE
I.	SUMMARY AND CONCLUSIONS	I-1
A.	Methods	I-1
B.	Results	I-5
C.	Conclusion	I-10
II.	DESCRIPTION OF TEST PROCEDURES	II-1
A.	Conduct of Study	II-1
A.1.	Sponsor	II-1
A.2.	Testing Facility	II-1
A.3.	Study Number	II-1
A.4.	Sponsor's Study Number	II-1
A.5.	Purpose of the Study	II-1
A.6.	Study Design	II-1
A.7.	Regulatory Compliance	II-2
A.8.	Ownership of the Study	II-2
A.9.	Study Monitor	II-2

000134

SUBJECT		PAGE
A.10.	Alternate Study Monitor	II-2
A.11.	Study Director	II-2
A.12.	Technical Performance	II-2
A.13.	Report Preparation	II-2
A.14.	Report Review	II-3
A.15.	Date Protocol Signed	II-3
A.16.	Dates of Technical Performance	II-3
A.17.	Records Maintained	II-4
B.	Test Article Information	II-4
B.1.	Description	II-4
B.2.	Lot Number	II-4
B.3.	Date Received and Storage Conditions	II-5
B.4.	Special Handling Instructions	II-5
B.5.	Analysis of Activity	II-5
C.	Vehicle Information	II-5
C.1.	Description	II-5
C.2.	Lot Numbers	II-5
C.3.	Dates Received and Storage Conditions	II-5
C.4.	Special Handling Instructions	II-6
C.5.	Analysis of Purity	II-6
D.	Test Article Preparation	II-6
D.1.	Sample Information	II-6

000135

SUBJECT		PAGE
D.2.	Analytical Results	II-7
E.	Test System	II-7
E.1.	Species	II-7
E.2.	Strain	II-7
E.3.	Supplier (Source)	II-7
E.4.	Sex	II-7
E.5.	Rationale for Test System	II-7
E.6.	Test System Data	II-7
E.7.	Method of Randomization	II-8
E.8.	System of Identification	II-8
F.	Husbandry	II-9
F.1.	Research Facility Registration	II-9
F.2.	Study Rooms	II-9
F.3.	Housing	II-9
F.4.	Lighting	II-10
F.5.	Sanitization	II-10
F.6.	Feed	II-10
F.7.	Feed Analysis	II-10
F.8.	Water	II-10
F.9.	Water Analysis	II-10
F.10.	Bedding	II-11
F.11.	Bedding Analysis	II-11

000136

SUBJECT		PAGE
G.	Methods	II-11
G.1.	Dosage Administration	II-11
G.2.	Assigned Rat Numbers	II-12
G.3.	Rationale for Dosage Selection	II-12
G.4.	Route of Administration	II-12
G.5.	Rationale for Route of Administration	II-12
G.6.	Frequency of Administration	II-12
G.7.	Length of Study	II-13
G.8.	Method of Study Performance	II-13
G.9.	Gross Necropsy	II-18
G.10.	Statistical Analyses	II-21
III.	RESULTS – Fo GENERATION MALE RATS	III-1
A.	Clinical Observations	III-1
B.	Body Weights and Body Weight Changes	III-1
C.	Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	III-1
D.	Mating and Fertility	III-2
E.	Necropsy Observations	III-2
F.	Terminal Body Weights, Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight	III-3
IV.	RESULTS – Fo GENERATION FEMALE RATS	IV-1
A.	Clinical Observations	IV-1
A.1.	Mortality	IV-1

000137

SUBJECT		PAGE
A.2.	Clinical Observations	IV-1
B.	Body Weights and Body Weight Changes	IV-1
B.1.	Precohabitation	IV-1
B.2.	Gestation	IV-2
B.3.	Lactation	IV-2
C.	Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	IV-3
C.1.	Precohabitation	IV-3
C.2.	Gestation	IV-3
C.3.	Lactation	IV-3
D.	Estrous Cycling, Mating and Fertility	IV-4
E.	Necropsy Observations	IV-4
F.	Caesarean-Sectioning and Litter Observations	IV-4
G.	Natural Delivery and Litter Observations	IV-4
H.	Clinical Observations from Birth to Day 21 Postpartum and Necropsy Observations	IV-5
I.	Reflex and Physical Development	IV-6
I.1.	Surface Righting	IV-6
I.2.	Pinna Unfolding	IV-7
I.3.	Eye Opening	IV-7
I.4.	Acoustic Startle	IV-7
I.5.	Air Righting	IV-7
I.6.	Pupil Constriction	IV-8

000138

SUBJECT		PAGE
V.	RESULTS – F1 GENERATION MALE AND FEMALE RATS	V-1
A.	F1 Generation Male Rats	V-1
A.1.	Mortality and Clinical Observations	V-1
A.2.	Body Weights and Body Weight Changes	V-2
A.3.	Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	V-2
A.4.	Sexual Maturation	V-2
A.5.	Passive Avoidance Performance	V-3
A.6.	Watermaze Performance	V-3
A.7.	Mating and Fertility	V-3
A.8.	Necropsy Observations	V-3
A.9.	Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight	V-4
B.	F1 Generation Female Rats	V-4
B.1.	Mortality and Clinical Observations	V-4
B.2.	Maternal Body Weights and Body Weight Changes	V-5
B.3.	Maternal Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	V-6
B.4.	Sexual Maturation	V-7
B.5.	Passive Avoidance Performance	V-7
B.6.	Watermaze Performance	V-7
B.7.	Mating and Fertility	V-7
B.8.	Necropsy Observations	V-8
B.9.	Natural Delivery and Litter Observations	V-8

000139

SUBJECT		PAGE
B.10.	Clinical Observations from Birth to Day 21 Postpartum and Necropsy Observations	V-9
REFERENCES		V-10
APPENDIX A - REPORT FIGURES		
Figure 1.	Body Weights – Fo Generation Male Rats	A-1
Figure 2.	Body Weights – Fo Generation Female Rats	A-2
Figure 3.	Body Weights – F1 Generation Male Rats	A-3
Figure 4.	Body Weights – F1 Generation Female Rats	A-4
APPENDIX B - REPORT TABLES – Fo GENERATION MALE RATS		
Table B1.	Clinical Observations - Summary – Fo Generation Male Rats	B-1
Table B2.	Body Weights – Summary – Fo Generation Male Rats	B-2
Table B3.	Body Weight Changes – Summary – Fo Generation Male Rats	B-3
Table B4.	Absolute Feed Consumption Values (g/day) – Summary – Fo Generation Male Rats	B-4
Table B5	Relative Feed Consumption Values (g/kg/day) – Summary – Fo Generation Male Rats	B-5
Table B6.	Mating and Fertility – Summary – Fo Generation Male Rats	B-6
Table B7.	Necropsy Observations – Summary - Fo Generation Male Rats	B-7
Table B8.	Terminal Body Weights and Organ Weights – Summary – Fo Generation Male Rats	B-8
Table B9.	Ratios (%) of Organ Weight to Terminal Body Weight – Summary – Fo Generation Male Rats	B-9
Table B10.	Clinical Observations - Individual Data – Fo Generation Male Rats	B-10
Table B11.	Body Weights - Individual Data – Fo Generation Male Rats	B-20

000140

SUBJECT		PAGE
Table B12.	Feed Consumption Values - Individual Data - Fo Generation Male Rats	B-30
Table B13.	Mating and Fertility – Individual Data – Fo Generation Male Rats	B-40
Table B14.	Necropsy Observations – Individual Data – Fo Generation Male Rats	B-50
Table B15.	Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight – Individual Data – Fo Generation Male Rats	B-58
APPENDIX C - REPORT TABLES – Fo GENERATION FEMALE RATS		
Table C1.	Clinical Observations – Summary – Fo Generation Female Rats	C-1
Table C2.	Body Weights – Precohabitation – Summary – Fo Generation Female Rats	C-4
Table C3.	Body Weight Changes – Precohabitation – Summary - Fo Generation Female Rats	C-5
Table C4.	Maternal Body Weights – Gestation – Summary – Fo Generation Female Rats	C-6
Table C5.	Maternal Body Weight Changes – Gestation – Summary – Fo Generation Female Rats	C-8
Table C6.	Maternal Body Weights – Lactation – Summary – Fo Generation Female Rats	C-9
Table C7.	Maternal Body Weight Changes – Lactation – Summary – Fo Generation Female Rats	C-10
Table C8.	Absolute Feed Consumption Values (g/day) – Precohabitation – Summary – Fo Generation Female Rats	C-11
Table C9.	Relative Feed Consumption Values (g/kg/day) – Precohabitation – Summary – Fo Generation Female Rats	C-12
Table C10.	Maternal Absolute Feed Consumption Values (g/day) – Gestation – Summary – Fo Generation Female Rats	C-13

000141

SUBJECT		PAGE
Table C11.	Maternal Relative Feed Consumption Values (g/kg/day) – Gestation – Summary – Fo Generation Female Rats	C-14
Table C12.	Maternal Absolute Feed Consumption Values (g/day) – Lactation – Summary – Fo Generation Female Rats	C-15
Table C13.	Maternal Relative Feed Consumption Values (g/kg/day) – Lactation – Summary – Fo Generation Female Rats	C-16
Table C14.	Estrous Cycling, Mating and Fertility – Summary – Fo Generation Female Rats	C-17
Table C15.	Necropsy Observations – Summary – Fo Generation Female Rats	C-19
Table C16.	Caesarean-Sectioning Observations – Summary – Fo Generation Female Rats	C-20
Table C17.	Natural Delivery Observations – Summary – Fo Generation Female Rats	C-21
Table C18.	Litter Observations (Naturally Delivered Pups) – Summary – F1 Generation Litters	C-22
Table C19.	Clinical Observations from Birth to Day 21 Postpartum – Summary – F1 Generation Pups	C-25
Table C20.	Reflex and Physical Development – Summary – F1 Generation Litters	C-26
Table C21.	Necropsy Observations – Summary – F1 Generation Pups	C-31
Table C22.	Clinical Observations – Individual Data – Fo Generation Female Rats	C-32
Table C23.	Body Weights – Precohabitation – Individual Data – Fo Generation Female Rats	C-40
Table C24.	Maternal Body Weights – Presumed Gestation – Individual Data – Fo Generation Female Rats	C-50
Table C25.	Maternal Body Weights – Lactation – Individual Data – Fo Generation – Fo Generation Female Rats	C-70

000142

SUBJECT		PAGE
Table C26.	Feed Consumption Values – Precohabitation – Individual Data – Fo Generation Rats	C-75
Table C27.	Maternal Feed Consumption Values – Presumed Gestation – Individual Data – Fo Generation Female Rats	C-85
Table C28.	Maternal Feed Consumption Values – Lactation – Individual Data – Fo Generation Female Rats	C-105
Table C29.	Estrous Cycling and Days in Cohabitation – Individual Data – Fo Generation Female Rats	C-110
Table C30.	Necropsy Observations – Individual Data – Fo Generation Female Rats	C-115
Table C31.	Caesarean-Sectioning Observations – Individual Data – Fo Generation Female Rats	C-121
Table C32.	Litter Observations (Caesaren-Delivered Embryos) – Individual Data – F1 Generation Litters	C-126
Table C33.	Embryonal Vital Status – Individual Data – F1 Generation Litters	C-131
Table C34.	Natural Delivery, Implantation Sites, and Pup Viability and Sex – Individual Data – Fo Generation Female Rats/ F1 Generation Litters	C-136
Table C35.	Pup Body Weight Litter Averages from Birth to Day 21 Postpartum – Individual Data – F1 Generation Litters	C-141
Table C36.	Pup Body Weights from Birth to Day 21 Postpartum – Individual Data – F1 Generation Pups	C-146
Table C37.	Pup Vital Status and Sex from Birth to Day 21 Postpartum – Individual Data – F1 Generation Pups	C-176
Table C38.	Clinical Observations from Birth to Day 21 Postpartum – Individual Data – F1 Generation Pups	C-181
Table C39.	Surface Righting – Individual Data – F1 Generation Litters	C-182
Table C40.	Pinna Folding – Individual Data – F1 Generation Litters	C-193

000143

SUBJECT		PAGE
Table C41.	Eye Opening – Individual Data – F1 Generation Litters	C-203
Table C42.	Acoustic Startle – Individual Data – F1 Generation Litters	C-213
Table C43.	Air Righting – Individual Data – F1 Generation Litters	C-223
Table C44.	Pupil Constriction – Individual Data – F1 Generation Litters	C-233
Table C45.	Necropsy Observations – Individual Data – F1 Generation Pups	C-243
APPENDIX D - REPORT TABLES – F1 GENERATION MALE RATS		
Table D1.	Clinical Observations – Summary – F1 Generation Male Rats	D-1
Table D2.	Body Weights – Summary – F1 Generation Male Rats	D-3
Table D3.	Body Weight Changes – Summary – F1 Generation Male Rats	D-4
Table D4.	Absolute Feed Consumption Values (g/day) – Summary – F1 Generation Male Rats	D-5
Table D5.	Relative Feed Consumption Values (g/kg/day) – Summary – F1 Generation Male Rats	D-6
Table D6.	Sexual Maturation – Summary – F1 Generation Male Rats	D-7
Table D7.	Passive Avoidance Performance – Summary – F1 Generation Male Rats	D-8
Table D8.	Watermaze Performance – Summary – F1 Generation Male Rats	D-9
Table D9.	Mating and Fertility – Summary – F1 Generation Male Rats	D-10
Table D10.	Necropsy Observations – Summary – F1 Generation Male Rats	D-11
Table D11.	Terminal Body Weights and Organ Weights – Summary – F1 Generation Male Rats	D-13

000144

SUBJECT		PAGE
Table D12.	Ratios (%) of Organ Weight to Terminal Body Weight – Summary – F1 Generation Male Rats	D-14
Table D13.	Clinical Observations – Individual Data – F1 Generation Male Rats	D-15
Table D14.	Body Weights – Individual Data – F1 Generation Male Rats	D-20
Table D15.	Feed Consumption Values – Individual Data – F1 Generation Male Rats	D-26
Table D16.	Sexual Maturation – Individual Data – F1 Generation Male Rats	D-29
Table D17.	Passive Avoidance Performance – Individual Data - F1 Generation Male Rats	D-30
Table D18.	Watermaze Performance – Individual Data – F1 Generation Male Rats	D-33
Table D19.	Mating and Fertility – Individual Data – F1 Generation Male Rats	D-36
Table D20.	Necropsy Observations – Individual Data – F1 Generation Male Rats	D-39
Table D21.	Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight – Individual Data – F1 Generation Male Rats	D-43
APPENDIX E - REPORT TABLES – F1 GENERATION FEMALE RATS		
Table E1.	Clinical Observations – Summary – F1 Generation Female Rats	E-1
Table E2.	Body Weights – Precohabitation – Summary – F1 Generation Female Rats	E-4
Table E3.	Body Weight Changes – Precohabitation – Summary – F1 Generation Female Rats	E-5
Table E4.	Maternal Body Weights – Gestation – Summary – F1 Generation Female Rats	E-6

000145

SUBJECT		PAGE
Table E5.	Maternal Body Weight Changes – Gestation – Summary – F1 Generation Female Rats	E-8
Table E6.	Maternal Body Weights – Lactation – Summary – F1 Generation Female Rats	E-9
Table E7.	Maternal Body Weight Changes – Lactation – Summary – F1 Generation Female Rats	E-10
Table E8.	Absolute Feed Consumption Values (g/day) – Precohabitation – Summary – F1 Generation Female Rats	E-11
Table E9.	Relative Feed Consumption Values (g/kg/day) – Precohabitation – Summary – F1 Generation Female Rats	E-12
Table E10.	Maternal Absolute Feed Consumption Values (g/day) – Gestation – Summary – F1 Generation Female Rats	E-13
Table E11.	Maternal Relative Feed Consumption Values (g/kg/day) – Gestation – Summary – F1 Generation Female Rats	E-14
Table E12.	Maternal Absolute Feed Consumption Values (g/day) – Lactation – Summary – F1 Generation Female Rats	E-15
Table E13.	Maternal Relative Feed Consumption Values (g/kg/day) – Lactation – F1 Generation Female Rats	E-16
Table E14.	Sexual Maturation – Summary – F1 Generation Female Rats	E-17
Table E15.	Passive Avoidance Performance – Summary – F1 Generation Female Rats	E-18
Table E16.	Watermaze Performance – Summary – F1 Generation Female Rats	E-19
Table E17.	Mating and Fertility – Summary – F1 Generation Female Rats	E-20
Table E18.	Necropsy Observations – Summary – F1 Generation Female Rats	E-21
Table E19.	Natural Delivery Observations – Summary – F1 Generation Female Rats	E-22

000146

SUBJECT		PAGE
Table E20.	Litter Observations (Naturally Delivered Pups) – Summary – F2 Generation Litters	E-23
Table E21.	Clinical Observations from Birth to Day 21 Postpartum – Summary – F2 Generation Pups	E-26
Table E22.	Necropsy Observations – Summary – F2 Generation Pups	E-27
Table E23.	Clinical Observations – Individual Data – F1 Generation Female Rats	E-28
Table E24.	Body Weights – Precohabitation – Individual Data – F1 Generation Female Rats	E-34
Table E25.	Maternal Body Weights – Presumed Gestation – Individual Data – F1 Generation Female Rats	E-37
Table E26.	Maternal Body Weights – Lactation – Individual Data – F1 Generation Female Rats	E-43
Table E27.	Feed Consumption Values – Precohabitation – Individual Data – F1 Generation Female Rats	E-46
Table E28.	Maternal Feed Consumption Values – Presumed Gestation – Individual Data – F1 Generation Female Rats	E-49
Table E29.	Maternal Feed Consumption Values – Lactation – Individual Data – F1 Generation Female Rats	E-52
Table E30.	Sexual Maturation – Individual Data – F1 Generation Female Rats	E-55
Table E31.	Passive Avoidance Performance – Individual Data – F1 Generation Female Rats	E-56
Table E32.	Watermaze Performance – Individual Data – F1 Generation Female Rats	E-59
Table E33.	Days in Cohabitation – Individual Data – F1 Generation Female Rats	E-62
Table E34.	Necropsy Observations – Individual Data – F1 Generation Female Rats	E-63

000147

SUBJECT		PAGE
Table E35.	Natural Delivery, Implantation Sites, and Pup Viability and Sex – Individual Data – F1 Generation Female Rats/ F2 Generation Litters	E-67
Table E36.	Pup Body Weight Litter Averages from Birth to Day 21 Postpartum – Individual Data – F2 Generation Litters	E-70
Table E37.	Pup Body Weights from Birth to Day 21 Postpartum – Individual Data – F2 Generation Pups	E-73
Table E38.	Pup Vital Status and Sex from Birth to Day 21 Postpartum – Individual Data – F2 Generation Pups	E-91
Table E39.	Clinical Observations from Birth to Day 21 Postpartum – Individual Data – F2 Generation Pups	E-94
Table E40.	Necropsy Observations – Individual Data – F2 Generation Pups	E-95
APPENDX F -	PROTOCOL AND AMENDMENTS	F-1 to F-63
APPENDIX G -	DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY	G-1
APPENDIX H -	TEMPERATURE AND RELATIVE HUMIDITY REPORTS	H-1 to H-9
APPENDIX I -	STATEMENT OF THE STUDY DIRECTOR	I-1
APPENDIX J -	QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT	J-1 to J-8

000148

TITLE: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS

ARGUS RESEARCH LABORATORIES, INC.
PROTOCOL NUMBER: 418-008
SPONSOR'S STUDY NUMBER: 6295.9

I. SUMMARY AND CONCLUSION

A. Methods[a]

Text Figure 1 provides a schematic of the study design.

A.1. Fo Generation Rats/F1 Generation Litters:

One hundred seventy-five male and female Crl:CD®BR VAF/Plus® (Sprague-Dawley) rats were assigned to five dosage groups (Groups I through V), 35 rats per sex per dosage group. The rats were administered the test article, PFOS, or the vehicle, 0.5% Tween 80®, orally (via gavage). The dosages were 0 (Vehicle), 0.1, 0.4, 1.6 and 3.2 mg/kg/day. The male rats were dosed once daily beginning 42 days before cohabitation and continuing through the day before sacrifice. The female rats were dosed once daily beginning 42 days before cohabitation and continuing through DG[b] 9 (rats assigned to Caesarean-sectioning), DG 24 (rats assigned to natural delivery that did not deliver a litter), or DL[c] 20 (rats that did deliver a litter). The dosage volume was 5 mL/kg.

All Fo generation rats were observed for viability at least twice daily during the study and for clinical signs of effects of the test article twice daily during the dosage period. Body weights and feed consumption values for male rats were recorded weekly during the dosage period and at sacrifice. Body weights for female rats were recorded weekly to cohabitation, daily during the gestation period, on DLs 1, 4, 7, 10 and 14 (rats assigned to natural delivery) and at sacrifice. Feed consumption values were recorded weekly to cohabitation, daily during the gestation period and on DLs 1, 4, 7, 10 and 14 (rats assigned to natural delivery).

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a. Detailed descriptions of all procedures used in the conduct of this study are provided in the appropriate sections of this report and in APPENDIX F (PROTOCOL AND AMENDMENTS).
b. DG is used as an abbreviation for day of (presumed) gestation.
c. DL is used as an abbreviation for day of lactation or day postpartum.

The first ten female rats per dosage group with a confirmed date of mating were assigned to Caesarean-sectioning on DG 10. The remaining female rats were permitted to naturally deliver litters. These rats were evaluated for clinical observations during parturition, duration of gestation, litter size and pup viability at birth. Maternal behavior of the dams was evaluated daily when the pups were examined during the 21-day postpartum period.

Each litter was evaluated for viability at least twice each day during the 21-day postpartum period. Pups in each litter were counted once daily. Physical signs in the pups were recorded once daily for 21 days postpartum. Pup body weights and observed nursing behavior were recorded on DLs 1 (birth), 4, 7, 14 and 21. Surface righting reflex, pinna unfolding, eye opening, acoustic startle response and air righting reflex were monitored during the 21-day postpartum period until all pups in the litter reached the criterion for the specific test. Pupil constriction was evaluated once on DL 21. On DL 4, a table of random units was used to cull litters to four male and four female pups, where possible. On DL 21, a table of random units was used to select two male and two female pups from each litter from Groups I, II and III for continued evaluation.

Fo generation male rats were sacrificed after completion of the cohabitation period and necropsied; gross lesions were retained. The testes, epididymides, prostate and seminal vesicles (with and without fluid) were excised, individually weighed and retained.

Fo generation female rats assigned to Caesarean-sectioning were sacrificed on DG 10 and necropsied; pregnancy status was confirmed. Ovaries and gross lesions were retained. The rats were examined for the number and distribution of corpora lutea in each ovary and implantation sites, and viable and nonviable embryos. Embryos were discarded after examination.

Fo generation female rats assigned to natural delivery were sacrificed on DL 21 and necropsied. Ovaries and gross lesions were retained. The number and distribution of implantation sites was recorded.

At scheduled sacrifice after completion of the cohabitation period (male rats that sired litters of dams allowed to naturally deliver a litter) and on DL 21 (female rats allowed to naturally deliver a litter), blood samples (approximately 4 mL per rat) were collected from the inferior vena cava from five male and five female rats per dosage group and shipped to the Sponsor for pharmacokinetic analysis.

Pups not selected for continued evaluation on DL 4 were sacrificed and necropsied. The stomach contents (milk curd) were collected from all culled pups from five of the largest litters in Groups I, II and III, frozen and shipped to the Sponsor for analysis.

The liver from each rat was excised, weighed, and a sample section (lateral lobe) was frozen and shipped to the Sponsor for analysis. The livers of the pups from the litters of the five dams in Groups I through IV selected for pharmacokinetic sample collection were excised, pooled per litter, frozen and shipped to the Sponsor for analysis. Dams in the 3.2 mg/kg/day dosage group (Group V) did not have surviving pups on DL 21.

A.2. F1 Generation Rats/F2 Generation Litters:

Only the 0.1 and 0.4 mg/kg/day dosage groups were continued into the second generation because of the excessive toxicity seen in the 1.6 and 3.2 mg/kg/day F1 generation pups.

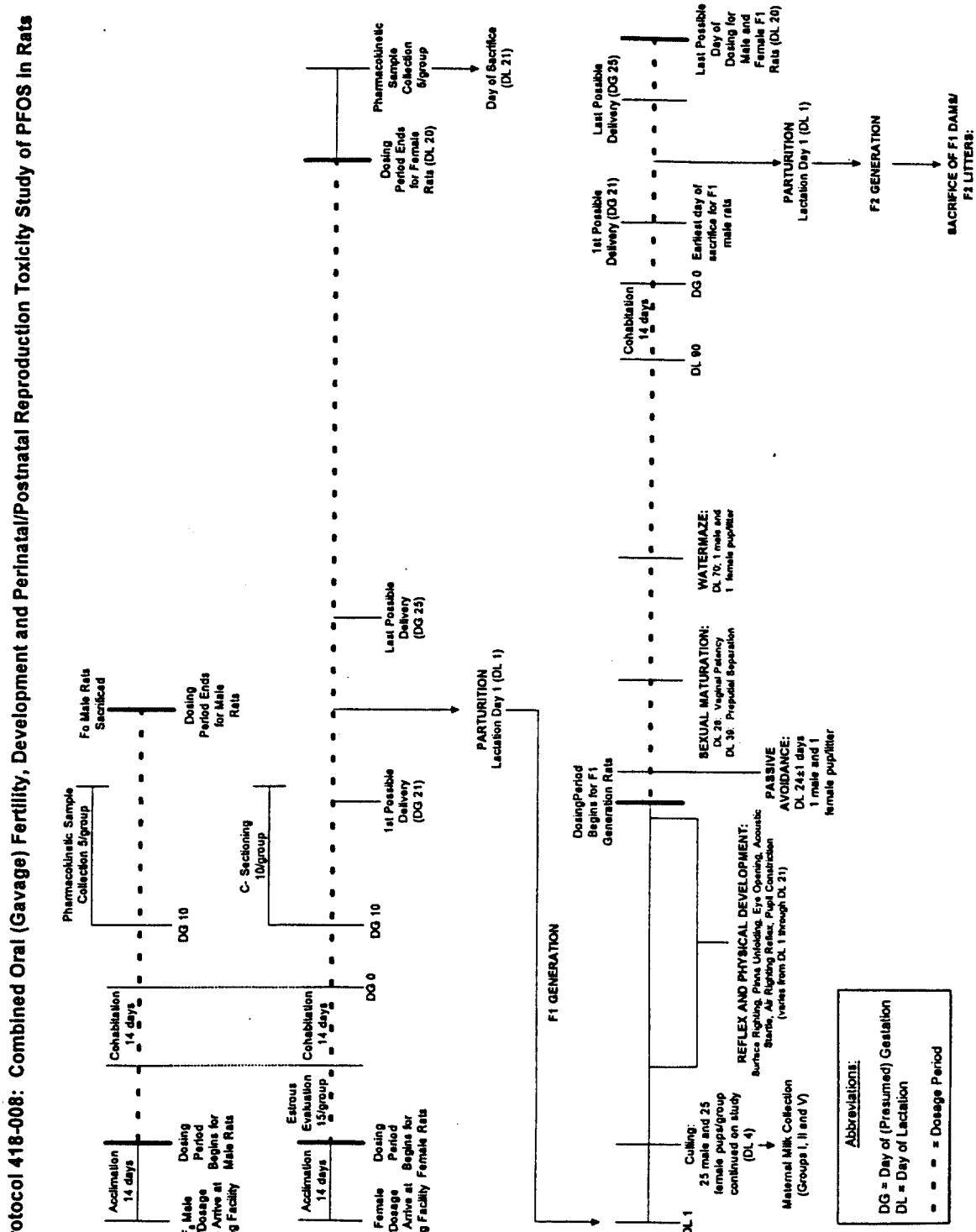
There were 150 male and female F1 generation rats in the three dosage groups (Groups I through III), 25 rats per sex per dosage group. F1 generation male and female rats were given appropriate dosages of the test article orally (gavage) beginning on DL 22 and continuing through the day before sacrifice.

Beginning at 24 days of age, one male rat and one female rat from each litter in each dosage group were tested in a passive avoidance paradigm. Female rats were evaluated for the age of vaginal patency beginning on DL 28. Male rats were evaluated for the age of preputial separation beginning on DL 34. On postpartum day 70, one male rat and one female rat from each litter were evaluated in a water-filled M-maze. On approximately DL 90, rats within each dosage group were assigned to cohabitation.

F1 generation male rats were sacrificed after completion of the cohabitation period and necropsied, as previously described for the Fo generation male rats. All F1 generation female rats were permitted to naturally deliver litters. All dams that delivered litters were sacrificed on DL 21 and necropsied, as previously described for the Fo generation female rats.

On DL 21, all F2 generation pups were sacrificed and examined for gross lesions. Necropsy procedures were the same as those described for the F1 generation pups.

Text Figure 1



B. Results

B.1. Fo Generation Male Rats:

No Fo generation male rats died during this study as a result of treatment with PFOS. All clinical observations (other than normal) were considered unrelated to the test article and not signs of compound toxicity.

Groups administered 0.4 mg/kg/day and higher dosages of the test article had reduced body weight gains for the entire study.

Absolute and relative feed consumption values were reduced in the 1.6 and 3.2 mg/kg/day dosage groups for the entire precohabitation period. After the cohabitation period, absolute feed consumption values were significantly reduced in the 0.4 and 1.6 mg/kg/day dosage groups.

Dosages of the test article as high as 3.2 mg/kg/day did not affect any mating and fertility parameters evaluated.

A significantly increased number of male rats in the 3.2 mg/kg/day dosage group had a light brown or brown liver, an observation attributed to effects of PFOS.

The 1.6 and 3.2 mg/kg/day dosage groups had significantly reduced terminal body weights. The absolute weights of the seminal vesicles with fluid and the prostate were significantly reduced in the 3.2 mg/kg/day dosage group.

B.2. Fo Generation Female Rats/F1 Generation Litters:

No Fo generation female rats died during this study as a result of treatment with PFOS.

Observations of localized alopecia were increased during the precohabitation, gestation and lactation periods in the 0.4, 1.6 and 3.2 mg/kg/day dosage groups.

Groups administered 1.6 mg/kg/day and higher dosages of the test article had significantly reduced body weight gains for the entire precohabitation period. The 1.6 and 3.2 mg/kg/day dosages of PFOS continued to reduce body weights and body weight gains during gestation. The 3.2 mg/kg/day dosage group had significantly reduced body weight on DL 1. Body weight gains tended to be reduced in the 0.4 mg/kg/day dosage group on DLs 1 to 4, when significant weight loss occurred in the 1.6 mg/kg/day dosage group (the 3.2 mg/kg/day dosage group was precluded from further evaluation because all pups died before DL 2).

Absolute and relative feed consumption values were reduced in the 1.6 and 3.2 mg/kg/day dosage groups during the precohabitation period. The 1.6 and 3.2 mg/kg/day dosage groups continued to have reduced absolute and relative feed consumption values early in the gestation period. Absolute and relative maternal feed consumption values tended to be reduced in the 0.4 mg/kg/day dosage group and were significantly reduced in the 1.6 mg/kg/day dosage group for the entire lactation period, and at most intervals within this period. The 3.2 mg/kg/day dosage group was precluded from evaluation because there were no surviving pups after DL 1.

Dosages of the test article as high as 3.2 mg/kg/day did not affect estrous cycling in the 15 rats per dosage group that were evaluated. Mating and fertility parameters were unaffected by the 3.2 mg/kg/day dosage of PFOS.

All necropsy observations were considered unrelated to treatment.

There were no biologically important or statistically significant differences in the litter averages for corpora lutea, implantations, viable embryos or nonviable embryos at Caesarean-sectioning on DG 10.

The duration of gestation was significantly reduced in the 3.2 mg/kg/day dosage group, an observation associated with preimplantation loss [the average number of implantation sites per dam was significantly reduced, resulting in a significantly reduced litter size]. Pup viability was significantly reduced in the 1.6 and 3.2 mg/kg/day dosage groups. Reflecting these effects, the viability and lactation indices were significantly reduced in the 1.6 and 3.2 mg/kg/day dosage groups, the lactation index was also significantly reduced in the 1.6 mg/kg/day dosage group, as also were the averages for surviving pups in the 1.6 mg/kg/day dosage group beginning on DL 4 postculling, and in the 3.2 mg/kg/day dosage group on DL 1.

A dosage-dependent pattern of reduced pup body weight was evident in each group administered the test article. The 0.1 mg/kg/day dosage group tended to have reduced pup weights on DL 4 (pre- and postculling), compared to the control group value. The 0.4 mg/kg/day dosage group tended to have reduced pup body weights on DLs 1 through 4 (postculling), compared to the control group value. However, none of the differences in the 0.1 and 0.4 mg/kg/day dosage groups were statistically significant and may represent normal biological variations. The 1.6 mg/kg/day dosage group had significantly reduced pup body weights on all weighing days. The 3.2 mg/kg/day dosage group had a significantly reduced pup body weight on DL 1 (no pups survived to subsequent scheduled weighings).

Clinical and necropsy observations associated with reduced pup viability and potential reduction in maternal care occurred in the 3.2 mg/kg/day dosage group.

Adverse clinical observations include three litters with pups that were not nursing (two of these litters had pups from which the placenta had not been removed, and one had pups that were not nested). Apparent maternal cannibalization was also evident in this dosage group (missing tail in one pup and a cannibalized forelimb in another pup). It was not possible to determine whether these occurred before or after these pups had died.

Necropsy observations in pups that were stillborn or found dead indicated many pups with no milk in the stomach in the 1.6 and 3.2 mg/kg/day dosage group pups. The 3.2 mg/kg/day dosage group also had evidence of increased maternal cannibalization at necropsy of stillborn and found dead pups. Nine of these pups had missing hindlimbs and/or portion of the tail.

Reversible delays in reflex and physical development that are highly correlated with body weight occurred in the 0.4 and 1.6 mg/kg/day dosage groups. Surface righting was delayed in the 1.6 and 3.2 mg/kg/day dosage groups. The time of development for pinna unfolding, eye opening, acoustic startle reflex and ability to air right were delayed in the 1.6 mg/kg/day dosage group (no 3.2 mg/kg/day dosage group pups were evaluated for this parameter). All live pups in the 0 (Vehicle), 0.1, 0.4 and 1.6 mg/kg/day dosage groups had the pupil constriction response when testing was done on DL 21 (end of lactation).

Upon weaning of the litters (DL 21), a decision was made regarding the F1 generation pups in the 1.6 mg/kg/day dosage group. The 1.6 mg/kg/day dosage group pups were small (they had gained 20% less weight during lactation than the control pups) and in the opinion of the attending laboratory veterinarian, the rats were not suitable for further experimentation. It had been determined that the dosage of 1.6 mg/kg/day was a level which produced compound toxicity. Continued dosing of 1.6 mg/kg/day most likely would not result in any additional information and would subject the pups to additional distress. Therefore, consultation with the Sponsor lead to the decision not to continue the 1.6 mg/kg/day dosage group F1 generation pups. Only the 0 (Vehicle), 0.1 and 0.4 mg/kg/day dosage group pups were continued to a second generation.

B.3. <u>F1 Generation Male Rats</u>:

No deaths in the F1 generation male rats at 0.1 and 0.4 mg/kg/day dosages were attributed to PFOS. All clinical observations were considered unrelated to the test article.

The 0.1 and 0.4 mg/kg/day dosage groups tended to weigh less than the control group on day 1 postweaning and generally gained one or two grams less body weight per week than the control group rats. Reflecting this pattern of weight gain, weight gains in the 0.1 and 0.4 mg/kg/day dosage groups for the precohabitation period were 98.4% and 97.6% of the control group value,

respectively. Body weight gains in the 0.1 and 0.4 mg/kg/day dosage groups for day 1 to termination were 98.5% and 96.6% of the control group value, respectively. However, none of these body weight gain differences were statistically significant from control values.

Absolute feed consumption values for the 0.1 and 0.4 mg/kg/day dosage groups were significantly reduced on postweaning days 1 through 8. Relative feed consumption values tended to be reduced in the 0.1 and 0.4 mg/kg/day dosage groups during the first week of intubation but none were statistically significant.

Dosages of the test article as high as 0.4 mg/kg/day did not affect the average day of preputial separation in the F1 generation male rats. There were no biologically important differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation male rats, as evaluated by performance in a passive avoidance or watermaze performance paradigm.

Dosages of the test article as high as 0.4 mg/kg/day did not affect any mating and fertility parameters evaluated in the F1 generation male rats.

All necropsy observations in the F1 generation male rats were considered unrelated to the test article because. No statistically significant differences occurred in the absolute or relative values for the weights of the right or left testis, seminal vesicles, right epididymis or prostate. Terminal body weights tended to be reduced in the 0.1 and 0.4 mg/kg/day dosage groups but were not statistically significant from control values.

B.4. <u>F1 Generation Female Rats/F2 Generation Litters</u>:

No deaths in the F1 generation female rats were attributed to PFOS.
All adverse clinical observations that occurred during the precohabitation, gestation and lactation periods were considered unrelated to the test article.

Body weights tended to be reduced in the 0.4 mg/kg/day dosage group on day 1 postweaning. Maternal body weights and body weight gains during the gestation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day. Significant maternal body weight loss occurred on DLs 1 to 4 in the 0.4 mg/kg/day dosage group.

The 0.4 mg/kg/day dosage of the test article was associated with a significant reduction in absolute feed consumption and a tendency for reduced relative feed consumption on days 1 to 8 postweaning. Absolute and relative feed consumption values during the gestation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day. The absolute and relative maternal

feed consumption values were reduced during lactation in the 0.4 mg/kg/day dosage group.

Dosages of the test article as high as 0.4 mg/kg/day did not affect the average day of vaginal patency in the F1 generation female rats. There were no biologically important differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation female rats, as evaluated by performance in a passive avoidance or watermaze performance paradigm.

Dosages of the test article as high as 0.4 mg/kg/day did not affect any mating and fertility parameters evaluated in the F1 generation female rats.

All necropsy observations in the F1 generation female rats were considered unrelated to the test article.

Pregnancy occurred in 22 (95.6%), 21 (84.0%) and 24 (96.0) of the 23, 25 and 25 female rats assigned to cohabitation in the 0 (Vehicle), 0.1 and 0.4 mg/kg/day dosage groups, respectively. All pregnant dams delivered litters. The gestation index was comparable across the three dosage groups. Viability and growth of the second generation offspring (F2 pups) to weaning were also unaffected by the highest dosage tested, 0.4 mg/kg/day. There were no toxicologically important differences from the control group values. No clinical or necropsy observations in the F2 generation pups were attributable to dosages of the test article as high as 0.4 mg/kg/day

C. Conclusions

On the basis of these data, the Fo generation maternal and paternal no-observable-effect-level (NOEL) of PFOS is 0.1 mg/kg/day (0.4 mg/kg/day and higher dosages caused reductions in body weight gain and reduced feed consumption values).

The Fo generation reproductive NOEL is greater than 3.2 mg/kg/day; no effects on mating, fertility or estrous cycling occurred. The NOEL for viability and growth in the F1 generation offspring is 0.4 mg/kg/day (1.6 mg/kg/day and higher dosages caused preimplantation loss and reductions in litter size, pup viability, growth and survival).

The F1 generation maternal and paternal NOEL of PFOS is 0.1 mg/kg/day (0.4 mg/kg/day dosage caused reductions in body weight gain and reduced feed consumption values).

The F1 generation reproductive NOEL is greater than a dosage of 0.4 mg/kg/day; no effects on mating or fertility occurred. The NOEL for viability and growth in the F2 generation offspring is also 0.4 mg/kg/day. There were no toxicologically important effects on pup survival or growth at the highest dosage tested, 0.4 mg/kg/day.

13 Apr 00

Mildred S. Christian, Ph.D., Fellow, ATS Date
Executive Director of Research

for 13 APR 00

Alan M. Hoberman, Ph.D., DABT Date
Director of Research

13-APR-00

Raymond G. York, P.D., DABT Date
Associate Director of Research and Study Director

II. DESCRIPTION OF TEST PROCEDURES

A. Conduct of Study:

A.1. Sponsor:

3M Toxicology Services, 3M Center, Building 220-2E-02, St. Paul, Minnesota 55144-1000

A.2. Testing Facility:

Argus Research Laboratories, Inc., 905 Sheehy Drive, Building A, Horsham, Pennsylvania 19044-1297

A.3. Study Number:

418-008

A.4. Sponsor's Study Number:

6295.9

A.5. Purpose of the Study:

The purpose of this study was to test for toxic effects/disturbances resulting from PFOS treatment of Crl:CD®BR VAF/Plus® male and female rats before cohabitation through mating, gestation and lactation. This study was designed to evaluate ICH Harmonised Tripartite Guideline stages A through F of the reproductive process and detect effects on the estrous cycle, tubal transport, implantation, gestation, parturition, lactation and maternal behavior in female rats, on the development of the offspring of the treated male and female rats, and permit detection of functional effects (e.g., effects on libido or epididymal sperm maturation) that may not be detected by histological examinations of male rat reproductive organs. Because manifestations of effects induced during this period may be delayed in the offspring, observations were continued through production of F2 generation litters.

A.6. Study Design:

A modification of the requirements of U.S. Food and Drug Administration (FDA)[1] were used as a basis for the study design.

A.7. Regulatory Compliance:

The study was conducted in compliance with the Good Laboratory Practice (GLP) regulations of the U.S. Food and Drug Administration (FDA)[2], the Japanese Ministry of Health and Welfare (MHW)[3] and the European Economic Community (EEC)[4]. There were no significant deviations from the GLP regulations that affected the quality or integrity of the study. Quality Assurance Unit findings derived from the inspections during the conduct of this study are documented and have been provided to the Study Director and the Testing Facility Management.

A.8. Ownership of the Study:

The Sponsor owns the study. All raw data, analyses, reports and all preserved tissues are the property of the Sponsor.

A.9. Study Monitor:

Marvin T. Case, D.V.M., Ph.D.

A.10. Alternate Study Monitor:

Andrew M. Seacat, Ph.D.

A.11. Study Director:

Raymond G. York, Ph.D., DABT (Associate Director of Research)

A.12. Technical Performance:

John F. Barnett, B.S. (Director of Laboratory Operations)
Kristen Iandola Sherer, B.S. (Research Associate/Fetal Evaluation)
Joseph W. Lech, B.S. (Team Leader – General Laboratory)
Sharon Adamski (Laboratory Technician)

A.13. Report Preparation

Raymond G. York, Ph.D., DABT
Michelle R. Rzaca, B.S. (Study Coordinator)
Heidi M. Green, M.S. (Study Coordinator)
Erin Hagan, B.A. (Data Management Specialist)
Karen G. Parker, A.A. (Report Administrator)

A.14. Report Review:

Alan M. Hoberman, Ph.D., DABT (Director of Research)
Mildred S. Christian, Ph.D., Fellow, ATS (Executive Director of Research)

A.15. Date Protocol Signed:

21 May 1998

A.16. Dates of Technical Performance:

Fo Generation Male Rats

Rat Arrival Date	12 MAY 98
Dosage Period (42 days before cohabitation, through a 14-day cohabitation period and until sacrifice)	26 MAY 98 – 30 JUL 98
Scheduled Sacrifice	31 JUL 98

Fo Generation Female Rats

Rat Arrival Date	12 MAY 98
Dosage Period – Female Rats Assigned to Caesarean-Sectioning (42 days before cohabitation and continuing through DG[a] 9)	26 MAY 98 – 17 JUL 98
Dosage Period – Female Rats Assigned to Natural Delivery [42 days before cohabitation through DG 24 (rats that did not deliver a litter) or DL[b] 20 (rats that delivered a litter)	26 MAY 98 – 30 AUG 98
Dosage Period Estrous Cycle Evaluation	09 JUN 98 – 06 JUL 98

a. DG is used as an abbreviation for day of (presumed) gestation.
b. DL is used as abbreviation for day of lactation.

(Fo Generation Female Rats Continued)

Cohabitation Period	
Male 1	06 JUL 98 PM – 13 JUL 98 AM
Male 2	13 JUL 98 PM – 20 JUL 98 AM
DG 10 Caesarean-Sectioning	17 JUL 98 – 30 JUL 98
Natural Delivery Period (DL 1)	28 JUL 98 – 10 AUG 98
DG 25 Sacrifice (rats that did not deliver a litter)	01 AUG 98 – 07 AUG 98
DL 21 Sacrifice (dams and pups not selected for continued study)	17 AUG 98 – 30 AUG 98

F1 Generation Rats

Dosage Period (Male Rats)	19 AUG 98 – 16 NOV 98
Dosage Period (Female Rats)	19 AUG 98 – 27 DEC 98
Passive Avoidance Testing	20 AUG 98 – 10 SEP 98
Watermaze Testing	07 OCT 98 – 19 OCT 98
Cohabitation Period (Initiated when the rats are approximately 90 days of age)	
Male 1	02 NOV 98 PM – 09 NOV 98 AM
Male 2	09 NOV 98 PM – 16 NOV 98 AM
Male Rats Sacrificed	17 NOV 98
Natural Delivery Period (DL 1)	24 NOV 98 – 08 DEC 98
DL 21 Sacrifice	14 DEC 98 – 28 DEC 98

A.17. Records Maintained:

The original report, raw data and reserve samples of the bulk test article and vehicle components are retained in the archives of Argus Research Laboratories, Inc. Any preserved tissues are retained in the archives of the Testing Facility for one year after mailing the draft final report, after which time the Sponsor will decide their final disposition. All unused test article suspensions were discarded at the Testing Facility. Unused bulk test article was returned to the Study Monitor.

B. Test Article Information:

B.1. Description:

PFOS – an off-white powder

B.2. Lot Number:

217 (Expiration Date: May 2000)

B.3. Date Received and Storage Conditions:

The test article was received on 20 May 1998, and stored at room temperature. Prepared suspensions were stored at room temperature overnight.

B.4. Special Handling Instructions:

Standard safety precautions (use of protective clothing, gloves, dust-mist respirator and safety goggles) were taken when handling the bulk test article and prepared suspensions.

B.5. Analysis of Activity:

Information regarding the purity, identity, strength and composition of the test article is on file with the Sponsor.

C. Vehicle Information:

C.1. Description:

0.5% Tween® 80 in reverse osmosis membrane processed deionized water (R.O. deionized water).

C.2. Lot Numbers:

M03H05, K03737, M29477 and L06662

C.3. Dates Received and Storage Conditions:

The Tween® 80 was received from J.T. Baker, Phillipsburg, New Jersey, on 15 August 1997 (Lot K03737), 22 May 1998 (Lot M03H05), 17 September 1998 (Lot M29477), 3 December 1998 (Lot M03H05) and 1 September 1998 (Lot L06662), and was stored at room temperature. R.O. deionized water is available from a continuous source at the Testing Facility and is maintained at room temperature. The vehicle was prepared weekly and stored at room temperature.

C.4. Special Handling Instructions:

Standard safety precautions (use of protective clothing, gloves, dust-mist respirator, safety goggles or safety glasses and a face-shield) were taken when handling the vehicle.

C.5. Analysis of Purity:

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to be present in the vehicle that would interfere with the results of this study.

D. Test Article Preparation:

Suspensions of PFOS were prepared daily one day prior to the day of dosing at concentrations of 0, 0.02, 0.08, 0.32 and 0.64 mg/mL. The test article was considered 100% pure for the purpose of dosage calculations.

D.1 Sample Information:

Sample Type	Size	Date Retained	Shipping/Storage Conditions	Shipped To	Date Shipped
Concentration (all levels)	5 mL[a] 5 mL 5 mL 5 mL	26 MAY 98 29 JUN 98 21 DEC 98 27 DEC 98	Room temperature	Sponsor	26 MAY 98 29 JUN 98 04 JAN 98 04 JAN 98
Homogeneity	5 mL[b]	26 MAY 98	Room temperature	Sponsor	26 MAY 98
Vehicle Component Reserve Tween® 80 R.O. Water	 5 mL 5 mL	25 MAY 98 10 SEP 98 10 NOV 98 25 MAY 98	Room temperature	Testing Facility Archives	09 JUL 98 01 OCT 98 25 NOV 98 09 JUL 98

a. A syringe was used to withdraw samples from each concentration during the first and sixth week of dosage administration for the Fo generation and during the first[a] and last weeks of dosage administration for the F1 generation. Each sample was divided into two aliquots (2 mL and 3 mL, respectively). One aliquot (2 mL) was shipped for analysis. The other aliquot (3 mL) was retained at the Testing Facility as a backup.

b. A syringe was used to withdraw samples from the top, middle and bottom of the highest concentration on the first day of preparation. Each sample was divided into two aliquots (2 mL and 3 mL, respectively). One aliquot (2 mL) was shipped for analysis. The other aliquot (3 mL) was retained at the Testing Facility as a backup.

Stability data for prepared formulations bracketing the range of concentrations are on file with the Sponsor. The Sponsor confirmed a 48-hour stability on the test article in 0.5% Tween® 80 solutions.

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a. See APPENDIX G (DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY), item 1.

D.2. Analytical Results:

Results of the concentration and homogeneity analyses were not available at the time of the writing of this report.

E. Test System:

E.1. Species:

Rat

E.2. Strain:

Crl:CD®BR VAF/Plus® (Sprague-Dawley)

E.3. Supplier (Source):

Charles River Laboratories, Inc., Raleigh, North Carolina

E.4. Sex:

Male and Female

E.5. Rationale for Test System:

The Crl:CD®BR VAF/Plus® (Sprague-Dawley) rat was selected as the Test System because: 1) this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins and has been widely used throughout industry for reproductive and developmental toxicity evaluations; 2) historical data and experience exist at the Testing Facility[5-7]; and 3) the test article is pharmacologically active in the species and strain.

E.6. Test System Data:

	Male Rats	Female Rats
Number of Rats	195	205
Approximate Date of Birth	12 MAR 98	12 MAR 98
Approximate Age at Arrival	62 days	62 days
Weight (g) on the Day after Arrival	282 - 338	172 - 239
Weight (g) at Study Assignment	334 - 396	209 - 242

E.7. Method of Randomization:

E.7.a. Fo Generation Rats

Upon arrival, Fo generation rats were assigned to individual housing on the basis of computer-generated random units. After acclimation, male and female rats were selected for study on the basis of physical appearance and body weights recorded during acclimation. Rats were assigned to five dosage groups (Groups I through V), 35 rats per sex per dosage group, using a computer-generated (weight-ordered) randomization procedure.

The first ten female rats per dosage group with a confirmed mating date were assigned to Caesarean-sectioning on DG 10. The remaining rats were permitted to naturally deliver litters.

A table of random units was used to assign five rats per group to pharmacokinetic sample collection either at scheduled sacrifice after completion of the cohabitation period (male rats siring litters with dams allowed to naturally deliver a litter) or on DL 21 (female rats allowed to naturally deliver a litter).

E.7.b. F1/F2 Generation Pups

On DL 4, a table of random units was used to select the pups to be culled and litters were reduced to eight pups each. Whenever possible, the same number of male and female pups per litter were continued on study.

At weaning of the F1 generation pups on DL 21, a table of random units was used to select 25 male and 25 female pups in each of Groups I, II and III, resulting in a total of 150 F1 generation rats (75 per sex) chosen for continued evaluation. At least one male pup and one female pup per litter were selected. There were no surviving pups in Group V after DL 2; pups in Group IV were not continued on the study because of severe toxic effects in the pups (death and retarded growth) during lactation. This decision was made in consultation with the study veterinarian and the Sponsor.

E.8. System of Identification:

E.8.a. Fo Generation

Rats were permanently identified using Monel® self-piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Male and female rats were assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study before administration of the first dosage of the test article.

E.8.b. F1/F2 Generation Pups and Rats

Pups were not individually identified during lactation; all parameters were evaluated in terms of the litter both before and after culling on DL 4. At weaning, each F1 generation rat selected for continued observation was identified with a Monel® self-piercing ear tag.

F. Husbandry:

F.1. Research Facility Registration:

USDA Registration No. 23-R-099 under the Animal Welfare Act, 7 U.S.C. 2131 *et seq.*

F.2. Study Rooms:

The study rooms were maintained under conditions of positive airflow relative to a hallway and independently supplied with a minimum of ten changes per hour of 100% fresh air that had been passed through 99.97% HEPA filters. Room temperature and humidity were monitored constantly throughout the study. Room temperature was targeted at 64°F to 79°F (18°C to 26°C); relative humidity was targeted at 30% to 70%. See APPENDIX H (TEMPERATURE AND RELATIVE HUMIDITY REPORTS).

F.3. Housing:

All cage sizes and housing conditions were in compliance with the *Guide for the Care and Use of Laboratory Animals*[8].

F.3.a. Fo Generation Rats/F1 Generation Litters

Fo generation rats were individually housed in stainless steel wire-bottomed cages except during the cohabitation and postpartum periods. During cohabitation, each pair of rats was housed in the male rat's cage. Beginning no later than DG 20, Fo generation female rats assigned to natural delivery were individually housed in nesting boxes. Each dam and delivered litter were housed in a common nesting box during the postpartum period.

F.3.b. F1 Generation Rats/F2 Generation Litters

After weaning, the F1 generation rats were individually housed before cohabitation, housed in pairs (one male rat per female rat) during cohabitation, and individually housed after cohabitation. The same type of caging was used as described for the Fo generation rats. Beginning no later than DG 20, F1 generation female rats were individually housed in nesting boxes. Each dam

and delivered litter were housed in a common nesting box during the postpartum period.

F.4. Lighting:

An automatically-controlled fluorescent light cycle was maintained at 12-hours light:12-hours dark, with each dark period beginning at 1900 hours EST.

F.5. Sanitization:

Cage pan liners were changed approximately three times each week. Cages were changed approximately every other week. Bedding was changed as often as necessary to keep the rats dry and clean.

F.6. Feed:

Rats were given *ad libitum* access to Certified Rodent Diet® #5002 (PMI Nutrition International, Inc., St. Louis, Missouri) in individual feeders.

F.7. Feed Analysis:

Analyses were routinely performed by the feed supplier. No contaminants at levels exceeding the maximum concentrations for certified feed or deviations from expected nutritional requirements were detected by these analyses. Copies of the results of the feed analyses are available in the raw data.

Neither the Study Director nor the Sponsor was aware of any agent present in the feed that was known to interfere with the results of this study.

F.8. Water:

Local water that had been processed by passage through a reverse osmosis membrane (R.O. water) was available to the rats *ad libitum* from an automatic watering access system and/or individual water bottles. Chlorine was added to the processed water as a bacteriostat.

F.9. Water Analysis:

The processed water is analyzed twice annually for possible chemical contamination (Lancaster Laboratories, Inc., Lancaster, Pennsylvania) and monthly for possible bacterial contamination (Analytical Laboratories, Inc., Chalfont, Pennsylvania). Copies of the results of the water analyses are available in the raw data.

Neither the Study Director nor the Sponsor was aware of any agent present in the water that was known to interfere with the results of this study.

F.10. Bedding:

Bed-o'cobs® was used as nesting material (The Andersons Industrial Products Group, Maumee, Ohio).

F.11. Bedding Analysis:

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to be present in the bedding that would interfere with the results of this study. Analyses for possible contamination are conducted annually and documented in the raw data.

G. Methods:

G.1. Dosage Administration:

Dosage Group	Dosage (mg/kg/day)	Concentration (mg/mL)	Dosage Volume (mL/kg)	Number of Fo Generation Rats Per Sex	Number of F1 Generation Rats Per Sex
I	0 (Vehicle)	0	5	35	25
II	0.1	0.02	5	35	25
III	0.4	0.08	5	35	25
IV	1.6	0.32	5	35	-
V	3.2	0.64	5	35	-

The test article was considered 100% pure for the purpose of dosage calculations.

G.2. Assigned Rat Numbers:

Dosage Group	Assigned Fo Generation Rat Numbers		Assigned F1 Generation Rat Numbers	
	Male	Female	Male	Female
I	8101-8135	8801-8835	13101 – 13125	13201 – 13225
II	8136-8170	8836-8870	13126 – 13150	13226 – 13250
III	8171-8205	8871-8905	13151 – 13175	13251 – 13275
IV	8206-8240	8906-8940	a	A
V	8241-8275	8941-8975	b	B

a. On DL 21, all surviving pups in the 1.6 mg/kg/day dosage group (Group IV) were sacrificed because of severe toxic effects in the pups during lactation.
b. There were no surviving pups after DL 2 in the 3.2 mg/kg/day dosage group (Group V).

G.3. Rationale for Dosage Selection:

Dosages were selected by the Sponsor on the basis of previous studies conducted with the test article.

G.4. Route of Administration:

Oral (gavage)

G.5. Rationale for Route of Administration:

The oral (gavage) route was selected for use because: 1) in comparison with the dietary route, the exact dosage can be accurately administered; and 2) it is one of the possible routes of human exposure.

G.6. Frequency of Administration:

The Fo generation male rats were given appropriate dosages of the test article once daily beginning 42 days before cohabitation (which continued for a maximum of 14 days) and continuing through the day before sacrifice.

The Fo generation female rats were given the appropriate dosages of the test article beginning 42 days before cohabitation (which continued for a maximum of 14 days) and continuing through DG 9 (rats assigned to Caesarean-sectioning), DG 24 (rats assigned to natural delivery that did not deliver a litter), or DL 20 (rats that did deliver a litter). The dosage volume (5 mL/kg) was adjusted daily on the basis of the most recently recorded body weight and given at approximately the same time each day[a].

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a. See APPENDIX G, item 2.

Dams in the process of delivering pups were not dosed until completion of parturition, in order to preclude possible disruption of maternal behavior and/or cannibalization of the pups. Consequently, some dams were not administered one daily dosage during the delivery period. No dam missed more than one daily dosage.

F1 generation male and female rats were given appropriate dosages of the test article orally (gavage), beginning on day 1 postweaning (DL 22)[a] and continuing through the day before sacrifice. F2 generation pups were not directly given the test article, but may have been possibly exposed to the test article during gestation (*in utero* exposure) or via maternal milk during the lactation period.

G.7. Length of Study:

Approximately 7 months

G.8. Method of Study Performance:

G.8.a Fo Generation Rats

All Fo generation rats were observed for viability at least twice daily during all periods of the study. Rats were also observed for general appearance at least once during the acclimation period and for clinical observations of effects of the test article, abortions, premature deliveries, prior to and approximately one hour after dosage and on the day sacrificed.

Body weights for Fo generation male rats were recorded at least once during the acclimation period, weekly during the dosage period and at sacrifice. Feed consumption values for male rats were recorded weekly during the dosage period.

Body weights for Fo generation female rats were recorded at least once during the acclimation period, weekly to cohabitation, daily during the gestation period, on DLs 1, 4, 7, 10 and 14 (rats assigned to natural delivery) and at sacrifice. Feed consumption values were recorded weekly to cohabitation, daily during the gestation period and on DLs 1, 4, 7, 10 and 14 (rats assigned to natural delivery). Feed consumption values were not recorded after DL 14, when it was expected that the pups would begin to consume maternal feed.
A table of random units was used to select 15 female rats per dosage group for evaluation of estrous cycling by examination of vaginal cytology for 28 days before the start of the cohabitation period.

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a. See APPENDIX G, item 3.

Within each dosage group, consecutive order was used to assign rats to cohabitation, one male rat per female rat. The cohabitation period consisted of a maximum of 14 days. During cohabitation, all female rats were evaluated daily until observation of spermatozoa in a smear of the vaginal contents and/or a copulatory plug *in situ* (DG 0), following which they were assigned to individual housing. Female rats that did not mate within the first seven days of cohabitation were assigned alternate male rats that had mated (within the same dosage group) and remained in cohabitation for a maximum of seven additional days.

The first ten female rats per dosage group with a confirmed mating date were assigned to Caesarean-sectioning on DG 10. The female rats assigned to Caesarean-sectioning were examined for the number and distribution of corpora lutea, implantation sites and viable and nonviable fetuses. The remaining female rats were permitted to naturally deliver litters. These rats were evaluated for clinical observations during parturition, duration of gestation (DG 0 to the day the first pup was observed), litter size (all pups delivered) and pup viability at birth. Pups that either appeared stillborn or that died before initial examination of the litters for viability were examined for vital status at birth. The lungs were removed and immersed in water. Pups with lungs that sank were considered stillborn; pups with lungs that floated were considered liveborn and to have died shortly after birth. Each litter was subsequently examined daily for pup viability. Maternal behavior of the dams was evaluated daily when the pups were examined during the 21-day postpartum period. Observed maternal behavior was recorded on DLs 1, 4, 7, 14 and 21. Variations from expected maternal behavior were recorded, if and when present, on all other days of the postpartum period.

Fertility parameters were assessed for all dams assigned to natural delivery. These parameters included the fertility index (percentage of matings that resulted in pregnancies), gestation index (percentage of pregnancies that resulted in the birth of live litters), number of offspring per litter (live and dead pups), number of implantation sites, general condition of the dam and litter during the postpartum period, viability indices (percentage of pups born that survived 4 and 7 days), and lactation index (percentage of pups born that survived 21 days).

G.8.b <u>F1/F2 Generation Pups – Preweaning Observations</u>

Day 1 of lactation (postpartum) was defined as the day of birth and was also the first day on which all pups in a litter were individually weighed (pup body weights were recorded after all pups in a litter were delivered and groomed by the dam).

Vital status at birth was determined for pups that either appeared stillborn or that died before initial examination of the litter for viability. Pups that either appeared

stillborn or that died before initial examination of the litter for viability were examined for vital status at birth, as previously described.

Each litter was evaluated for viability at least twice each day during the 21-day postpartum period. Pups in each litter were counted once daily. Physical signs (including variations from expected nursing behavior and gross external physical anomalies) in the pups were recorded once daily for 21 days postpartum. Dead pups observed at these times were removed from the nesting box. When not precluded by autolysis or cannibalization by the dam, any pup found dead was necropsied and examined for the cause of death. Pup body weights were recorded on DLs 1 (birth), 4, 7, 14 and 21.

Reflex and physical development parameters in the F1 generation pups only were monitored during the 21-day postpartum period. Surface righting reflex [ability to right in 5 seconds (from DL 1)], pinna unfolding (from DL 2), eye opening (from DL 12), acoustic startle response (from DL 13) and air righting reflex (from DL 14) were monitored until all pups (100%) in the litter reached the criterion for the specific test. Pupil constriction was evaluated once on DL 21; the number of pups per litter with this reflex present was recorded.

G.8.c. <u>F1 Generation Rats – Postweaning Observations</u>

"Postweaning day" observations were recorded beginning on DL 22. All F1 generation rats were observed for viability at least twice daily during all periods of the study. Rats were also observed for general appearance at least once during the acclimation period and for clinical observations of effects of the test article, abortions, premature deliveries prior to and approximately one hour after dosage and on the day sacrificed.

Body weights for F1 generation female rats were recorded weekly during the postweaning periods and at sacrifice. Feed consumption values were recorded weekly except during cohabitation and at sacrifice.

Body weights for F1 generation female rats were recorded once weekly to cohabitation, daily during presumed gestation, on DLs 1, 4, 7 and 14 (rats assigned to natural delivery) and at sacrifice. Feed consumption values were recorded weekly to cohabitation, on DGs 0, 7, 10, 14, 17 and 20 and DLs 1, 4, 7, 10 and 14.

Beginning at 24 days of age, one male rat and one female rat from each litter in each dosage group were tested for learning, short-term retention and long-term retention in a passive avoidance paradigm. Each rat was tested on two days, separated by a one-week interval; the criterion for learning was the same for both days of testing. The passive avoidance apparatus consisted of a two-compartment chamber with hinged Plexiglas® lids. One compartment was

outfitted with a bright light and Plexiglas® floor. The other compartment was outfitted with a grid floor to which a brief (1 second) pulse of mild electric current (1 mA) was delivered. The two compartments were separated by a sliding door.

During each trial, the rat was placed into the "bright" compartment, the sliding door was opened and the light was turned on. The rat was allowed to explore the apparatus until it entered the "dark" compartment. The sliding door was then immediately closed, the light was turned off, and the brief pulse of current was delivered to the grid floor. The rat was then removed from the apparatus and placed into a holding cage for 30 seconds before the start of the next trial. Trials were repeated until the rat remained in the "bright" compartment continuously for 60 seconds on each of two consecutive trials (the criterion for learning) or until 15 trials were completed. The latency to enter the dark compartment or the maximum 60-second interval was recorded for each trial.

Dosage groups were compared on the following dependent measures: the number of trials to the criterion in the first session (overall learning performance); the latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 of the first test session (activity level and exploratory tendency in a novel environment); the latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 2 in the first test session (short-term retention); the number of trials to the criterion in the second test session (long-term retention); and the latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the second test session (long-term retention).

On postpartum day 70, one male rat and one female rat from each litter were evaluated in a water-filled M-maze for overt coordination, swimming ability, learning and memory. Each rat was tested in a watertight 16-gauge stainless steel modified M-maze. The maze was filled with water to a depth of approximately nine inches, and the water was monitored for temperature (range of 21°C ± 1°C). On each test trial, the rat was placed into the starting position (base of the M-maze stem farthest from the two arms) and required to swim to one of the two goals of the M-maze, in order to be removed from the water. On the first trial, the rat was required to enter both arms of the maze before being removed from the water. The initial arm chosen on trial 1 was designated the incorrect goal during the remaining trials. Rats that failed to make a correct goal choice within 60 seconds in any given trial were guided to the correct goal and were then removed from the water. A 15-second intertrial interval separated each trial. Each rat was required to reach a criterion of five consecutive errorless trials to terminate the test session. The maximum number of trials in any test session was 15. Latency (measured in seconds) to choose the correct goal or the maximum 60-second interval was recorded for each trial, as was the number of errors (incorrect turns in the maze) during each trial.

Each rat was tested twice. The test sessions were separated by a one-week interval; the correct goal and the criterion were the same for both test sessions. Dosage groups were compared for the following dependent measures: the number of trials to criterion on the first day of testing; the average number of errors (incorrect turns in the maze) for each trial on the first day of testing; the latency (in seconds) to reach the correct goal on trial 2 of the first day of testing; the number of trials to criterion on the second day of testing; the average number of errors for each trial on the second day of testing; and the latency (in seconds) to reach the correct goal on trial 1 of day 2 of testing.

Female rats were evaluated for the age of vaginal patency, beginning on DL 28. Male rats were evaluated for the age of preputial separation, beginning on DL 34.

On DLs 85 to 98, the F1 generation rats within each dosage group were assigned to cohabitation, one male rat per female rat, based on random unit tables, with the exclusion of sibling matings. The cohabitation period consisted of a maximum of 14 days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* were considered to be at DG 0 and assigned to individual housing. Female rats that did not mate within the first 7 days of cohabitation were assigned alternate male rats from the same dosage group that had mated. Female rats were allowed to naturally deliver and maintain litters through a 21-day postpartum period.

These rats were evaluated for clinical observations during parturition, duration of gestation (DG 0 to the day the first pup was observed), litter size (all pups delivered) and pup viability at birth. Pups that either appeared stillborn or that died before initial examination of the litters for viability were examined for vital status at birth. The lungs were removed and immersed in water. Pups with lungs that sank were considered stillborn; pups with lungs that floated were considered liveborn and to have died shortly after birth. Each litter was subsequently examined daily for pup viability. Maternal behavior of the dams was evaluated daily when the pups were examined during the 21-day postpartum period. Observed maternal behavior was recorded on DLs 1, 4, 7, 14 and 21. Variations from expected maternal behavior were recorded, if and when present, on all other days of the postpartum period.
Fertility parameters were assessed for all dams assigned to natural delivery. These parameters included the fertility index (percentage of matings that resulted in pregnancies), gestation index (percentage of pregnancies that resulted in the birth of live litters), number of offspring per litter (live and dead pups), number of implantation sites, general condition of the dam and litter during the postpartum period, viability indices (percentage of pups born that survived 4 and 7 days), and lactation index (percentage of pups born that survived 21 days).

G.9. Gross Necropsy[a]:

G.9.a Fo Generation Male and Female Rats Assigned to Pharmacokinetic Sample Collection

At scheduled sacrifice after completion of the cohabitation period (male rats that sired litters of dams allowed to naturally deliver a litter) and on DL 21 (female rats allowed to naturally deliver a litter) blood samples (approximately 4 mL per rat) were collected from five rats per dosage group from the inferior vena cava, into serum separator tubes and centrifuged. The resulting serum (approximately 2 mL) was immediately frozen on dry ice and maintained frozen (-70°C) until shipment to the Sponsor for analysis. The liver was excised, weighed, and a sample section (lateral lobe) was frozen and retained at –70°C until shipment to the Sponsor for analysis.

The liver of each pup from the litters of the five dams in each of Groups I through IV that were selected for pharmacokinetic sample collection was excised, pooled per litter, frozen and retained at -70°C, until shipment to the Sponsor for analysis. The dams in the 3.2 mg/kg/day dosage group (Group V) did not have surviving pups on DL 21.

G.9.b. Fo and F1 Generation Male Rats

Male rats were sacrificed by carbon dioxide asphyxiation after completion of the cohabitation period, and a gross necropsy of the thoracic, abdominal and pelvic viscera was performed. Gross lesions were retained in neutral buffered 10% formalin for possible future evaluation. Representative photographs of gross lesions are available in the raw data. The following organs were excised, individually weighed and retained for possible histologic evaluation: testes, epididymides, prostate and seminal vesicles (with and without fluid). The testes were fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin for possible histopathological evaluation. The remaining organs were retained in neutral buffered 10% formalin.

G.9.c. Fo Generation Female Rats Assigned to Caesarean-Sectioning

Female rats assigned to Caesarean-sectioning were sacrificed on DG 10, and a gross necropsy of the thoracic, abdominal and pelvic viscera was performed. Uteri of apparently nonpregnant rats were stained with 10% ammonium sulfide to confirm the absence of implantation sites[9]. All ovaries and gross lesions were

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a. A table of random units was used to select one control group Fo and F1 generation rat from each sex from which all tissues examined at necropsy were retained, in order to provide control tissues for possible histopathological evaluations of gross lesions.

retained in neutral buffered 10% formalin for possible future evaluation. Representative photographs of gross lesions are available in the raw data. The rats were examined for the number and distribution of corpora lutea in each ovary and implantation sites, and viable and nonviable embryos. A viable embryo was oval or crescent shaped, pink, firm and enclosed in an amniotic sac filled with clear fluid. A nonviable embryo was amorphous, small, pale pink to tan or deep red to black, soft and enclosed in an amniotic sac filled with clear, cloudy, or opaque fluid. Embryos were discarded after examination.

G.9.d. Fo Generation Female Rats Assigned to Natural Delivery and F1 Generation Female Rats

At the completion of the 21-day postpartum period, all dams that delivered litters were sacrificed on DL 21, and a gross necropsy of the thoracic, abdominal and pelvic viscera was performed. The number and distribution of implantation sites was recorded. Female rats assigned to natural delivery that did not deliver a litter were sacrificed on DG 25 and examined for gross lesions. To confirm the pregnancy status, uteri from rats that appeared nonpregnant were stained with 10% ammonium sulfide[9]. Dams with no surviving pups were sacrificed after the last pup was found dead, missing or presumed cannibalized. A gross necropsy of the thoracic, abdominal and pelvic viscera was performed. All ovaries were retained in neutral buffered 10% formalin for possible future evaluation.

Rats that died were examined for the cause of death on the day the observation was made. The rats were examined for gross lesions. Pregnancy status and uterine contents were recorded. Ovaries were retained in neutral buffered 10% formalin.

G.9.e. F1/F2 Generation Pups

On DL 21, F1 generation pups not continued on study and all F2 generation pups were sacrificed and examined for gross lesions. Necropsy procedures were the same as those used for pups culled on DL 4.

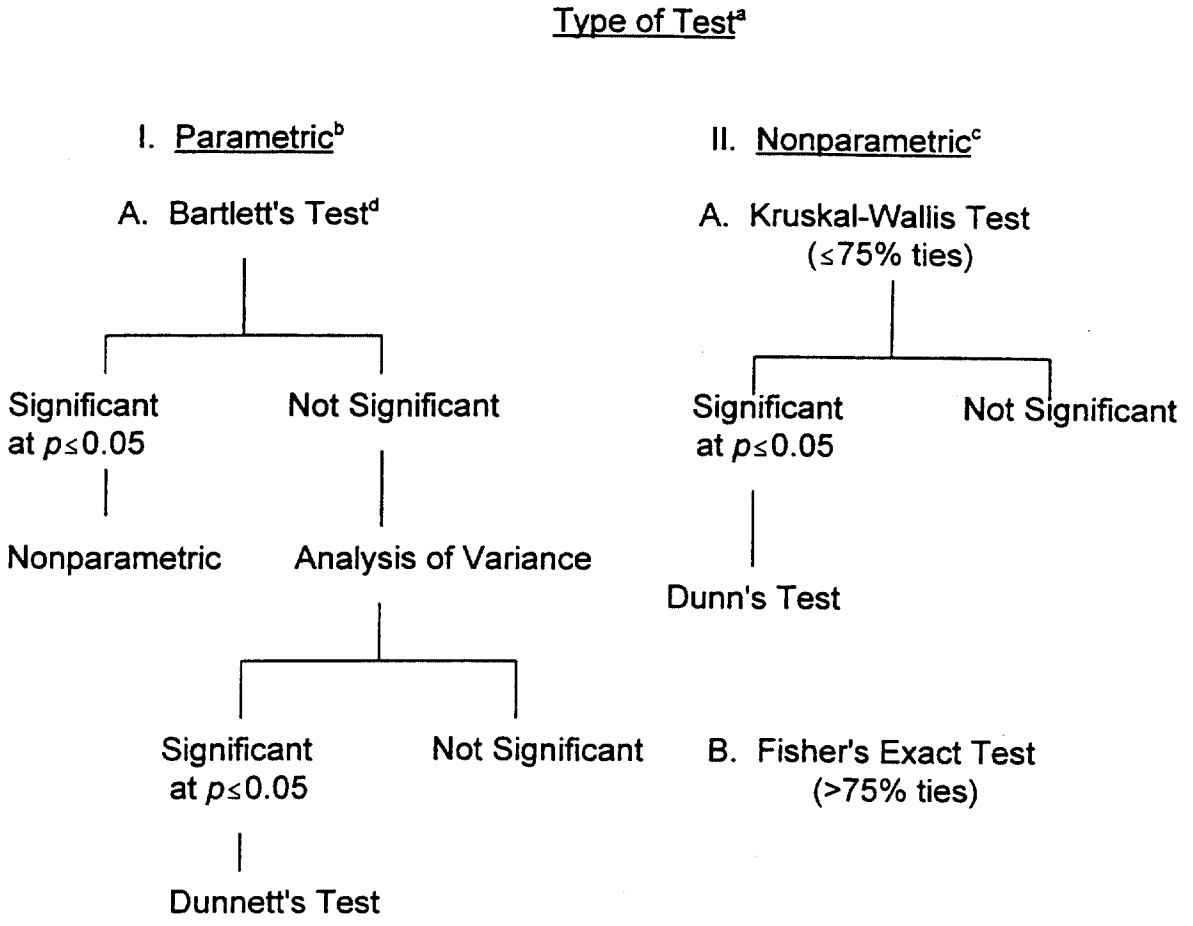
Pups that died before examination of the litter for pup viability were evaluated for vital status at birth, as described previously. Pups found dead were examined for gross lesions and for the cause of death. Pups with gross lesions found on DLs1 to 4 were preserved in Bouin's solution. Gross lesions from pups found on DLs 5 to 21 were preserved in neutral buffered 10% formalin. Representative photographs of pup gross lesions are available in the raw data.

Pups not selected for continued evaluation on DL 4 were sacrificed by carbon dioxide asphyxiation and examined for gross lesions. Necropsy included a single cross-section of the head at the level of the frontal and parietal suture and examination of the cross-sectioned head for apparent hydrocephaly. The

stomach contents (milk curd) were collected from culled pups from Groups I, II and III. Samples were collected from all pups from five of the largest litters in these three dosage groups. Individual pup samples were combined by litter into polypropylene tubes and frozen at –20°C. After completion of sample collection, samples were shipped (frozen on dry ice) to the Sponsor for analysis.

G.10. Statistical Analyses:

The following schematic represents the statistical analyses of the data:



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a. Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.01$.
b. Used only to analyze data with homogeneity of variance.
c. Proportion data are not included in this category.
d. Test for homogeneity of variance.

Proportion data were analyzed using the Variance Test for Homogeneity of the Binomial Distribution[10].

Continuous data (e.g., body weights, body weight changes and feed consumption data) were analyzed using Bartlett's Test of Homogeneity of Variances[11] and the Analysis of Variance[12], when appropriate [i.e., Bartlett's Test was not significant ($p>0.05$)]. If the Analysis of Variance was significant ($p\leq0.05$), Dunnett's Test[13] was used to identify the statistical significance of the individual groups. If the Analysis of Variance was not appropriate [i.e., Bartlett's Test was significant ($p\leq0.05$)], the Kruskal-Wallis Test[14] was used (≤75% ties). In cases where the Kruskal-Wallis Test was statistically significant ($p\leq0.05$), Dunn's Method of Multiple Comparisons[15] was used to identify the statistical significance of the individual groups. If there were greater than 75% ties, Fisher's Exact Test[16] was used. Fisher's Exact Test[16] was also used to evaluate necropsy data for the pups which were stillborn or found dead.

Data obtained at Caesarean-sectioning, natural delivery, preweaning reflex/physical developmental data and postweaning behavioral data involving discrete data (e.g., number of corpora lutea, number of pups per litter, trials to a criterion), were evaluated by the Kruskal-Wallis Test[14], as described above.

III. RESULTS - Fo GENERATION MALE RATS

A. Clinical Observations (Summary - Table B1; Individual Data - Table B10)

No Fo generation male rats died during this study.

All clinical observations were considered unrelated to the test article because the incidences were not dosage-dependent and/or the observation occurred in only one or two rats. These observations included localized alopecia on the limbs, corneal opacity, dental problems (missing, broken or misaligned incisors), abrasion on the neck, hyperactivity, excess salivation, chromodacryorrhea, swollen snout, chromorhinorrhea and dyspnea.

B. Body Weights and Body Weight Changes (Figure 1; Summaries - Tables B2 and B3; Individual Data - Table B11)

Groups administered 0.4 mg/kg/day and higher dosages of the test article had reduced body weight gains. The values were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 0.4 mg/kg/day dosage group on days 56 to 63 of study (DSs 56 to 63); in the 1.6 mg/kg/day dosage group on DSs 29 to 36; and in the 3.2 mg/kg/day dosage group on DSs 15 to 22, 29 to 36, 36 to 42 and 56 to 63. Reflecting these effects of the test article, body weight gains were significantly reduced ($p \leq 0.01$) for the entire precohabitation period (DSs 1 to 42) in the 1.6 and 3.2 mg/kg/day dosage groups. The 0.4, 1.6 and 3.2 mg/kg/day dosage groups had significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) body weight gains for the entire study, calculated from DSs 1 to 63 or from DS 1 to termination.

Body weights were significantly reduced ($p \leq 0.05$) in the 1.6 mg/kg/day dosage group on DSs 56, 63 and at study termination. The 3.2 mg/kg/day dosage group had significantly reduced ($p \leq 0.01$) body weights on DSs 36, 42, 56, 63 and at study termination.

Body weights and body weight changes were unaffected by the 0.1 mg/kg/day dosage of the test article.

C. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values (Summaries - Tables B4 and B5; Individual Data - Table B12)

Relative feed consumption values were significantly reduced ($p \leq 0.05$) in the 1.6 and 3.2 mg/kg/day dosage groups on DSs 8 to 15. Absolute (g/day) and relative (g/kg/day) feed consumption values were significantly reduced ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group on DSs 15 to 22, 29 to 36 and 36 to 42. As a result of these effects of the test article, absolute and relative feed consumption values were reduced and/or significantly reduced in these two dosage groups for

the entire precohabitation period (DSs 1 to 42). After the cohabitation period (DSs 56 to 63), absolute feed consumption values were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 0.4 and 1.6 mg/kg/day dosage groups. Absolute and relative feed consumption values were significantly reduced in the 3.2 mg/kg/day dosage group during this period.

Absolute and relative feed consumption were unaffected by the 0.1 mg/kg/day dosage of the test article.

D. Mating and Fertility (Summary - Table B6; Individual Data - Table B13)

Dosages of the test article as high as 3.2 mg/kg/day did not affect any mating and fertility parameters evaluated. Values for the fertility and pregnancy indices (number of pregnancies per number of rats in cohabitation and rats that mated, respectively), the number of days to inseminate, the number of rats that mated and the number of rats with confirmed mating dates during the first week of cohabitation were comparable among the five dosage groups.

E. Necropsy Observations (Summary - Table B7; Individual Data - Table B14)

A significantly increased ($p \leq 0.01$) number of male rats in the 3.2 mg/kg/day dosage group had a light brown or brown liver, an observation attributed to effects of PFOS. The gross lesions of the liver were considered related to the test article because the incidences were dosage-dependent.

One 1.6 mg/kg/day dosage group rat (8214) and three 3.2 mg/kg/day dosage group rats (8245, 8252, 8257) had small, flaccid and/or purple testes[a]. All four of these male rats mated but did not impregnate a female rat. One 3.2 mg/kg/day dosage group male rat (8243) had a small prostate; this rat impregnated a female rat. The gross lesions observed in the testes and prostate were not considered test article-related as they are common findings in control group male rats and did not vary from Historical Control incidence at the Testing Facility. No other male rats had gross lesions of the reproductive organs.

All other necropsy observations were considered unrelated to the test article because: 1) the observation occurred in only one rat in a group; or 2) the incidences were not dosage-dependent. These observations included a large liver, a liver with a rough surface, constricted papillary process of the liver with

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a. In 2079 control group rats from 91 studies conducted at the Testing Facility from August, 1992 to April, 1999, there were 21 rats with small, flaccid and/or purple testes.

pinpoint raised tan areas, opaque lens of the eye, large kidneys, kidneys with cysts in the parenchyma, dilation of the renal pelvis and a large spleen.

F. Terminal Body Weights, Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight (Summaries - Tables B8 and B9; Individual Data - Table B15)

The 1.6 and 3.2 mg/kg/day dosage groups had significantly reduced ($p \leq 0.05$ and $p \leq 0.01$, respectively) terminal body weights. The absolute weights of the seminal vesicles with fluid and the prostate were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 3.2 mg/kg/day dosage group, compared to the control group. Epididymides and testes weights and weights of the seminal vesicles without fluid were unaffected by dosages of the test article as high as 3.2 mg/kg/day.

The ratios of the weight of the left and right testes to terminal body weights were significantly increased ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group, as compared to the control group values. These observations were associated with the significantly reduced ($p \leq 0.01$) terminal body weights in this dosage group. The ratios of the weights of the epididymides, seminal vesicles and prostate were generally comparable among the five dosage groups.

IV. RESULTS - Fo GENERATION FEMALE RATS

A. Clinical Observations (Summary - Table C1; Individual Data - Table C22)

A.1. Mortality

No deaths were attributable to PFOS. The only death occurred in a 1.6 mg/kg/day dosage group rat, an event attributable to an intubation accident.

Female rat 8938 in the 1.6 mg/kg/day dosage group was moribund sacrificed on study day (DS) 36 after administration of 35 daily dosages. Adverse clinical observations included chromodacryorrhea and a clear oral exudate on DSs 35 to 36, and ptosis, hunched posture and labored breathing on DS 36. Observations of chromodacryorrhea and ptosis were confirmed at necropsy; all other tissues appeared normal at necropsy. This rat lost body weight and had reduced feed consumption on DSs 29 to 36. The clinical observations indicated this rat was misintubated on or about DS 35. All other Fo generation female rats survived to scheduled sacrifice.

A.2. Clinical Observations

Observations of localized alopecia were increased during the precohabitation, gestation and lactation periods in the 0.4, 1.6 and 3.2 mg/kg/day dosage groups. The incidence of localized alopecia at any area was significantly increased ($p \leq 0.05$ or $p \leq 0.01$) in the 0.4, 1.6 and 3.2 mg/kg/day dosage groups during the gestation period. The incidence of localized alopecia on the back was significantly increased ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group during the lactation period.

All other clinical observations during the precohabitation, gestation and lactation periods were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one rat. These observations included chromodacryorrhea and dental problems (missing, broken or misaligned incisors). Clear oral exudate, ptosis, hunched posture and labored breathing occurred during the precohabitation period in the 1.6 mg/kg/day rat that was moribund sacrificed, as previously described.

B. Body Weights and Body Weight Changes (Figure 2;Summaries - Tables C2 through C7; Individual Data - Tables C23 through C25)

B.1. Precohabitation

Groups administered 1.6 mg/kg/day and higher dosages of the test article had significantly reduced ($p \leq 0.01$) body weight gains for the entire precohabitation

period (DSs 1 to 42). During this period, values were significantly reduced ($p \leq 0.01$) in the 1.6 mg/kg/day dosage group on DSs 29 to 36; and in the 3.2 mg/kg/day dosage group on DSs 8 to 15, 22 to 29 and 29 to 36, as compared with the control group value. Body weights were significantly reduced ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group on DSs 15, 22, 29, 36 and 42, as compared with the control group values.

Body weights and body weight gains during the precohabitation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day.

B.2. Gestation

The 1.6 and 3.2 mg/kg/day dosages of PFOS continued to reduce body weights and body weight gains during gestation. Reflecting effects that occurred during the precohabitation period, the 1.6 mg/kg/day dosage group tended to weigh less and the 3.2 mg/kg/day dosage group weighed significantly less ($p \leq 0.01$) than the control group on day 0 of gestation (DG 0). Weight gain was significantly reduced ($p \leq 0.05$) in the 1.6 mg/kg/day dosage group on DGs 0 to 7 and then essentially comparable to the control group values at all intervals throughout the remainder of gestation, beginning with DGs 10 to 12. Weight gains were significantly reduced in the 3.2 mg/kg/day dosage group on DGs 0 to 7 and 10 to 12, after which this group also had weight gains comparable to the control group. Reflecting these effects, body weight gains were significantly reduced ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group for the entire gestation period (DGs 0 to 20) and body weights were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 and 3.2 mg/kg/day dosage groups on DGs 3 through 11 and 0 through 20, respectively.

Body weights and body weight gains during gestation were unaffected by dosages of the test article as high as 0.4 mg/kg/day.

B.3. Lactation

The 3.2 mg/kg/day dosage group had significantly reduced ($p \leq 0.01$) body weight on DL 1, as compared with the control group value. Body weight gains tended to be reduced in the 0.4 mg/kg/day dosage group on DLs 1 to 4, when significant weight loss ($p \leq 0.01$) occurred in the 1.6 mg/kg/day dosage group (the 3.2 mg/kg/day dosage group was precluded from further evaluation because all pups died before DL 2). A significant increase ($p \leq 0.05$) in body weight gain on DLs 10 to 14 in the 1.6 mg/kg/day dosage group was possibly associated with reduced litter size and associated with reduced milk demand and production.

Body weights and body weight gains during lactation were unaffected by the 0.1 mg/kg/day dosage of the test article.

C. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values (Summaries - Tables C8 through C13; Individual Data - Tables C26 through C28)

C.1. Precohabitation

Absolute (g/day) and relative (g/kg/day) feed consumption values were reduced in the 1.6 and 3.2 mg/kg/day dosage groups during the precohabitation period. These effects were significant ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 mg/kg/day dosage group on DSs 22 to 29 and 29 to 36 (absolute only), and in the 3.2 mg/kg/day dosage group at most tabulated intervals. Reflecting these effects of the test article, the 3.2 mg/kg/day dosage group had significantly reduced ($p \leq 0.01$) absolute and relative feed consumption values for the entire precohabitation period (DSs 1 to 42).

Feed consumption values during the precohabitation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day.

C.2. Gestation

The 1.6 and 3.2 mg/kg/day dosage groups continued to have reduced absolute and relative feed consumption values early in the gestation period. Absolute and relative feed consumption values were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 mg/kg/day dosage group on DGs 0 to 7 (absolute only) and 7 to 10, and in the 3.2 mg/kg/day dosage group on DGs 0 to 7, 7 to 10, 10 to 12 (absolute only). Significantly increased ($p \leq 0.05$ or $p \leq 0.01$) feed consumption values occurred in the 1.6 and 3.2 mg/kg/day dosage groups on DGs 15 to 18 (absolute and relative) and DGs 18 to 20 (relative only), observations interrelated with reduced body weights and the later stages of gestation, when maternal feed consumption tends to increase. Despite the increases in relative feed consumption values, the 3.2 mg/kg/day dosage group had a significantly reduced ($p \leq 0.01$) absolute feed consumption value for the entire gestation period (DGs 0 to 20).

Feed consumption values during gestation were unaffected by dosages of the test article as high as 0.4 mg/kg/day.

C.3. Lactation

Absolute and relative maternal feed consumption values tended to be reduced in the 0.4 mg/kg/day dosage group and were significantly reduced ($p \leq 0.01$) in the 1.6 mg/kg/day dosage group for the entire lactation period (DLs 1 to 14), and at most intervals within this period. The 3.2 mg/kg/day dosage group was precluded from evaluation because there were no surviving pups after DL 1.

Feed consumption values during lactation were unaffected by the 0.1 mg/kg/day dosage of the test article.

D. Estrous Cycling, Mating and Fertility (Summary - Table C14; Individual Data - Table C29)

Dosages of the test article as high as 3.2 mg/kg/day did not affect estrous cycling (number of estrus stages per 28-days) in the 15 rats per dosage group that were evaluated. All female rats mated except one in the 0.4 mg/kg/day dosage group. The number of days in cohabitation, the fertility and pregnancy indices (number of pregnancies per number of rats that mated and rats in cohabitation, respectively), and the number of rats with confirmed mating dates during the first and second week of cohabitation were comparable in the five dosage groups. Pregnancy occurred in 33, 32, 28, 29 and 30 female rats in Groups I through V, respectively.

E. Necropsy Observations (Summary - Table C15; Individual Data - Table C30)

All necropsy observations were considered unrelated to treatment. One rat in the 0.4 mg/kg/day dosage group had moderate dilation of the pelvis of the right kidney, an observation that is common in this species and strain. One rat in the 1.6 mg/kg/day dosage group had adhesion of abdominal adipose tissue and the spleen. No other gross lesions occurred in the female rats in this study.

F. Caesarean-Sectioning and Litter Observations (Summary - Table C16; Individual Data - Tables C31 through C33)

Caesarean-sectioning observations on DG 10 were based on 10 (100%), 7 (70.0%), 6 (60.0%), 9 (90.0%) and 9 (90.0%) pregnant dams in each of the five respective dosage groups.

There were no biologically important or statistically significant differences in the litter averages for corpora lutea, implantations, viable embryos or nonviable embryos. No dam had litter in which there were no live embryos.

G. Natural Delivery and Litter Observations (Summaries - Tables C17 and C18; Individual Data - Tables C34 through C37)

Although 25 presumed pregnant rats in each dosage group were assigned to natural delivery, because one rat (1.6 mg/kg/day dosage group) was moribund sacrificed during the premating period (on DS 36), as previously described, this dosage group had only 24 rats assigned to natural delivery. Of these rats, 20 to 25 were pregnant and delivered litters.

The duration of gestation was significantly reduced ($p \leq 0.01$) in the 3.2 mg/kg/day dosage group, an observation associated with preimplantation loss [the average number of implantation sites per dam was significantly reduced ($p \leq 0.01$), resulting in a significantly reduced ($p \leq 0.01$), litter size] and an effect of the test article.

Pup viability was significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 and 3.2 mg/kg/day dosage groups, as described in the following information. Although the gestation index (the percentage of pregnant rats with live offspring) was comparable across all five dosage groups, the 1.6 mg/kg/day dosage group had increased numbers of pups that died or were presumed cannibalized on DL 1, and significantly increased ($p \leq 0.05$ or $p \leq 0.01$) numbers of pups dead or presumed cannibalized on DLs 2 to 4 and 5 to 7. The 3.2 mg/kg/day dosage group had postimplantation loss evident as reduced pup viability at birth [one litter had no liveborn pups, the number of dams with stillborn pups was significantly increased ($p \leq 0.01$), the litter average and number of stillborn pups were significantly increased ($p \leq 0.01$), and the litter average and number of liveborn pups were significantly reduced ($p \leq 0.01$)], as well as peripartum deaths [significant numbers ($p \leq 0.05$ or $p \leq 0.01$) of dead and presumed cannibalized pups on DLs 1 and 2 to 4 (all liveborn pups died by DL 2) and significant numbers ($p \leq 0.01$) of dams had all pups dead or presumed cannibalized on DLs 1 to 4]. Reflecting these effects, the viability index was significantly reduced ($p \leq 0.01$) in the 1.6 and 3.2 mg/kg/day dosage groups, the lactation index was also significantly reduced ($p \leq 0.01$) in the 1.6 mg/kg/day dosage group, as also were the averages for surviving pups ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 mg/kg/day dosage group beginning on DL 4 postculling, and in the 3.2 mg/kg/day dosage group on DL 1.

A dosage-dependent pattern of reduced pup body weight was evident in each group administered the test article. The 1.6 mg/kg/day dosage group had significantly reduced ($p \leq 0.01$) pup body weights on all weighing days. The 3.2 mg/kg/day dosage group had a significantly reduced ($p \leq 0.01$) pup body weight on DL 1 (no pups survived to subsequent scheduled weighings).

The percentage of male pups was comparable across all five dosage groups.

H. Clinical Observations from Birth to Day 21 Postpartum and Necropsy Observations (Summaries - Tables C19 and C21; Individual Data - Tables C38 and C45)

Adverse clinical and necropsy observations associated with reduced pup viability and potential reduction in maternal care occurred in the 3.2 mg/kg/day dosage group. Adverse clinical observations include three ($p \leq 0.01$) litters with pups that were not nursing (two of these litters had pups from which the placenta had not been removed, and one had pups that were not nested). Apparent maternal

cannibalization was also evident in this dosage group (missing tail in one pup and a cannibalized forelimb in another pup), which may have occurred after these pups died.

Necropsy observations in pups that were stillborn or found dead included significant increases ($p \leq 0.05$ or $p \leq 0.01$) in the numbers of pups with no milk in the stomach in the 1.6 and 3.2 mg/kg/day dosage group pups. No pups ($p \leq 0.01$) in the 0.1 mg/kg/day dosage group had this observation, as compared with two control group pups. The 3.2 mg/kg/day dosage group also had evidence of increased maternal cannibalization at necropsy of stillborn and found dead pups. Nine of these pups had missing hindlimbs and/or portion of the tail.

All other clinical and necropsy observations in the F1 generation pups were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; or 2) the observation occurred in only one litter. Clinical observations included a domed head, portion of the tail missing, umbilical hernia, missing digits and bent tail. One 1.6 mg/kg/day dosage group stillborn pup had anasarca (edema of the entire body). Necropsy on DL 21 revealed two 0.4 mg/kg/day dosage group littermates with moderate or severe dilation of the lateral ventricles of the brain, and one pup from a different 0.4 mg/kg/day dosage group litter with slight dilation of the renal pelvis.

I. Reflex and Physical Development (Summary - Table C20; Individual Data - Tables C39 through C44)

Reversible delays in reflex and physical development that are highly correlated with body weight[1,17] occurred in the 0.4 and 1.6 mg/kg/day dosage groups, as described below.

I.1. Surface Righting

Surface righting was delayed in the 1.6 and 3.2 mg/kg/day dosage groups, as described below. The percentage of pups that could surface right was significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 mg/kg/day dosage group on DLs 3, 4, 5, 6, 7, 8 and 10, and in the 3.2 mg/kg/day dosage group on DL 1, after which there were no surviving pups in this dosage group. The average day that at least 50% of the pups in a dosage group had the ability to surface right was significantly increased ($p \leq 0.05$) in the 1.6 mg/kg/day dosage group. All surviving pups ultimately attained the ability to surface right.

The ability to surface right was unaffected by the 0.4 mg/kg/day dosage of the test article.

I.2. Pinna Unfolding

Pinna unfolding was delayed in the 0.1, 0.4 and 1.6 mg/kg/day dosage groups (no 3.2 mg/kg/day dosage group pups were evaluated for this parameter). The effect was transient (evident on only one day) in the 0.1 and 0.4 mg/kg/day dosage groups, and considered of no toxicological importance [the percentages of pups per litter with pinna unfolding were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 0.1 and 0.4 mg/kg/day dosage groups on DL 3 only]. The percentage of pups with an unfolded pinna was significantly reduced ($p \leq 0.01$) on DLs 3, 4 and 5) in the 1.6 mg/kg/day dosage group, and the average day that at least 50% of the pups in a dosage group had an unfolded pinna was significantly increased ($p \leq 0.01$) in this dosage group. All surviving pups ultimately had unfolded pinnae.

I.3. Eye Opening

Eye opening was delayed in the 0.1, 0.4 and 1.6 mg/kg/day dosage groups (no 3.2 mg/kg/day dosage group pups were evaluated for this parameter). The effect was transient (evident on only one day) in the 0.1 and 0.4 mg/kg/day dosage groups, and considered of no toxicological importance [the percentages of pups per litter with open eye lids were significantly reduced ($p \leq 0.05$) in the 0.1 and 0.4 mg/kg/day dosage groups on DL 14 only]. The percentage of pups with at least one open eye was significantly reduced ($p \leq 0.01$) in the 1.6 mg/kg/day dosage group on DLs 14, 15 and 16. The day that at least 50% of the pups had at least one open eye was significantly increased ($p \leq 0.01$) in the 0.4 and 1.6 mg/kg/day dosage groups. All pups had open eyelids by DL 21, when pupil constriction was tested.

I.4. Acoustic Startle

The time of development of the acoustic startle reflex was delayed ($p \leq 0.05$ or $p \leq 0.01$) in the 1.6 mg/kg/day dosage group; no 3.2 mg/kg/day dosage group pups survived to be tested for this reflex. The percentage of pups in the 1.6 mg/kg/day dosage group with this reflex was significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) on DLs 13, 14, 16, 17, 18, 19 and 20, resulting in a tendency for an increase in the average day that at least 50% of the pups had the acoustic startle reflex.

The development of the acoustic startle reflex was unaffected by the 0.1 and 0.4 mg/kg/day dosages of the test article.

I.5. Air Righting

The ability to air right was delayed ($p \leq 0.01$) in the 0.4 and 1.6 mg/kg/day dosage groups; no 3.2 mg/kg/day dosage group pups survived to be tested for this

reflex. The effect was transient and not of toxicological importance in the 0.4 mg/kg/day dosage group, occurring only on DL 16. The percentage of pups in the 1.6 mg/kg/day dosage group that air righted was significantly reduced ($p \leq 0.01$) on DLs 14 through 21, resulting in a significant increase ($p \leq 0.01$) in the day that at least 50% of the pups could air right.

I.6. Pupil Constriction

All live pups in the 0 (Vehicle), 0.1, 0.4 and 1.6 mg/kg/day dosage groups had the pupil constriction response present on DL 21.

V. RESULTS – F1 GENERATION MALE AND FEMALE RATS

A. F1 Generation Male Rats

A.1. Mortality and Clinical Observations (Summary - Table D1; Individual Data - Table D13)

A.1.a. Mortality

No deaths in the F1 generation male rats were attributed to PFOS. Two control group rats were found dead on days 86 and 87 postweaning. These deaths were attributed to intubation errors. One 0.1 mg/kg/day dosage group rat was found dead on day 66 postweaning; this death was considered unrelated to the test article because it was a single, nondosage-dependent effect. Observations for these rats that died are provided below.

Control group male rat 13105 was found dead on day 87 postweaning, one hour and 11 minutes after the 87th daily dosage. No other adverse clinical observations occurred in this rat, and its body weight gains and feed consumption values were comparable to other rats in this dosage group. Necropsy of the rat revealed that all lung lobes were dark red, which in association with the time death occurred, is compatible with an intubation accident.

Control group male rat 13116 was found dead on day 86 postweaning, after it had been administered 85 daily dosages. Additional adverse clinical observations in this rat were limited to chromorhinorrhea (days 67 to 72 and 79 postweaning). Body weight gains and feed consumption values in this rat were comparable to those of other rats in this dosage group. Necropsy of the rat revealed dark red clotted material (presumed to be blood) in the thoracic cavity and a red perinasal substance, observations compatible with an intubation accident.

Male rat 13138 (0.1 mg/kg/day dosage group) was found dead on day 66 postweaning, after it had been administered 65 daily dosages. No other adverse clinical observations occurred in this rat, and its body weight gains and feed consumption values were comparable to those of other rats in this dosage group. All tissues appeared normal at necropsy.

A.1.b. Clinical Observations

All adverse clinical observations were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one or two rats. A significant increase ($p \leq 0.01$) in the incidence of localized alopecia on the back in the 0.1 mg/kg/day dosage

group was not considered treatment-related because the value was not dosage-dependent. No other statistically significant increases in an adverse clinical observation occurred. Additional adverse clinical signs observed and considered unrelated to the test article included dental problems (missing, broken and/or misaligned incisors), chromorhinorrhea, abrasion on the head, near the eye, forelimb or back, chromodacryorrhea, laceration at the base of the tail, a swollen snout, a red perioral substance, a red substance on penis, localized alopecia on the back, limbs and/or head, a scab on the back, urine-stained abdominal fur, soft or liquid feces, swollen and purple ears, rales, gasping, excess salivation and dilated pupils.

A.2. Body Weights and Body Weight Changes (Figure 2; Summaries - Tables D2 and D3; Individual Data - Table D14)

The 0.1 and 0.4 mg/kg/day dosage groups tended to weigh less than the control group on day 1 postweaning and generally gained one or two grams less body weight per week than the control group rats, with the exception of days 71 to 78, when these groups had significant reductions ($p \leq 0.05$ or $p \leq 0.01$) in body weight gains, as compared with the control group value. Reflecting this pattern of weight gain, weight gains in the 0.1 and 0.4 mg/kg/day dosage groups for the precohabitation period (day 1 postweaning to precohabitation) were 98.4% and 97.6% of the control group value, respectively. Body weight gains in the 0.1 and 0.4 mg/kg/day dosage groups for day 1 to termination were 98.5% and 96.6% of the control group value, respectively.

A.3. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values (Summaries - Tables D4 and D5; Individual Data - Table D15)

Absolute (g/day) feed consumption values were significantly reduced ($p \leq 0.05$ and $p \leq 0.01$, respectively) and relative (g/kg/day) feed tended to be reduced in the 0.1 and 0.4 mg/kg/day dosage groups during the first week of intubation (days 1 to 8 postweaning), as compared to the control group values. These observations commonly occur and were associated with the tendency for reduced body weight in these two dosage groups on day 1 postweaning. A significant increase ($p \leq 0.05$) in the relative feed consumption value in the 0.1 mg/kg/day dosage group on days 22 to 29 postweaning was considered unrelated to the test article because the value was not dosage-dependent. No other statistically significant differences occurred in the feed consumption values for this portion of the study.

A.4. Sexual Maturation (Summary - Table D6; Individual Data - Table D16)

Dosages of the test article as high as 0.4 mg/kg/day did not affect the average day of preputial separation in the F1 generation male rats. No significant differences occurred among the three dosage groups.

A.5. Passive Avoidance Performance (Summary - Table D7; Individual Data - Table D17)

There were no biologically important differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation male rats, as evaluated by performance in a passive avoidance paradigm. No statistically significant differences occurred in the number of trials to criterion, trial latencies or numbers of rats that failed to learn.

A.6. Watermaze Performance (Summary - Table D8; Individual Data - Table D18)

No biologically important dosage-dependent differences occurred in watermaze performance of the F1 generation male rats regarding learning, short-term retention, long-term retention or response inhibition. No statistically significant differences occurred in the number of trials to criterion, trial latencies or numbers of rats that failed to learn.

A.7. Mating and Fertility (Summary - Table D9; Individual Data - Table D19)

Dosages of the test article as high as 0.4 mg/kg/day did not affect any mating and fertility parameters evaluated in the F1 generation male rats. Values for the fertility and pregnancy indices (number of pregnancies per number of rats that mated and rats in cohabitation, respectively), the number of days to inseminate, the number of rats that mated and the number of rats with confirmed mating dates during the first week of cohabitation were comparable among the three dosage groups. Of the male rats assigned to cohabitation, 82.6%, 83.3% and 96.0% impregnated the cohort female rat.

A.8. Necropsy Observations (Summary - Table D10; Individual Data - Table D20)

All necropsy observations in the F1 generation male rats were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; and/or 2) the observation commonly occurs in this strain of rat.

Gross lesions of male reproductive organs included flaccid, small and/or purple testes and epididymides in three ($p \leq 0.01$) 0.1 mg/kg/day dosage group male rats (13134, 13145, 13148), each of which sired a litter). These observations were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; and 2) these findings are known to be genetically mediated and common in this rat strain. No other gross lesion occurred at a statistically significant incidence.

Additional necropsy observations considered unrelated to the test article included red abdominal adipose tissue with firm areas (one 0.4 mg/kg/day dosage group male rat; 13162), and urinary tract lesions, as described in the following information. One 0.1 mg/kg/day dosage group male rat (13143) had a dilated ureter; another rat in this dosage group (13134) had slight dilation of the renal pelvis. One 0.4 mg/kg/day dosage group male rat (13173) had large kidneys with numerous fluid-filled cysts in the parenchyma; the left kidney had slight dilation of the pelvis, in which there were six calculi, and thickened urinary bladder walls associated with the presence of numerous calculi. Necropsy observations in the control group rats that died as the result of an intubation error were described previously.

A.9. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight (Summaries - Tables D11 and D12; Individual Data - Table D21)

No statistically significant differences occurred in the absolute or relative (to body weight) values for the weights of the right or left testis, seminal vesicles (with and without fluid), right epididymis or prostate. Terminal body weights tended to be reduced in the 0.1 and 0.4 mg/kg/day dosage groups; the terminal body weights in the 0.1 and 0.4 mg/kg/day dosage groups were 98.3% and 96.4%, respectively, of the control group value.

B. F1 Generation Female Rats

B.1. Mortality and Clinical Observations (Summary - Table E1; Individual Data - Tables E23)

B.1.a. Mortality

No deaths in the F1 generation female rats were attributed to PFOS. One control group rat was sacrificed on day 7 postweaning, because it was a male rat that had been incorrectly identified as a female rat. One control group rat was found dead on day 28 postweaning; no cause of death was identified for this rat. One rat in the 0.4 mg/kg/day dosage group was found dead on day 10 of lactation (DL 10) as the result of an intubation accident. Observations for these rats are provided below.

No gross lesions were revealed by necropsy of control group rat 13205 on day 7 postweaning.

The control group female rat (13221) that was found dead on day 28 postweaning, after it had been administered 27 daily dosages did not have any other adverse clinical observations, and its body weight gains and feed

consumption values were comparable to other rats in this dosage group. All tissues appeared normal at necropsy.

Female rat 13257 (0.4 mg/kg/day dosage group) was found dead on the morning of DL 10, after it had been administered a total of 106 daily dosages. No other adverse clinical observations occurred in this rat, although it lost weight on DLs 1 to 7. Its feed consumption values were unremarkable. This rat delivered 15 liveborn pups, of which seven were culled on DL 4 and eight were sacrificed after the death of the dam. Necropsy of the dam revealed gross lesions compatible with an intubation accident (white foam in the trachea, approximately 2 mL of a light orange fluid in the thoracic cavity, and dark red lungs).

B.1.b. Clinical Observations

A red perivaginal substance occurred in one and two dams in the 0.1 and 0.4 mg/kg/day dosage groups, respectively, on days 21 or 22 of gestation, and red perivaginal substance was also observed on DL 1 in five ($p \leq 0.01$) dams in the 0.4 mg/kg/day dosage group. These observations probably were associated with parturition, rather than an effect of the test article, and did not appear to adversely affect the health of the dams or their offspring. No other adverse clinical observation occurred at a statistically significant incidence.

All other adverse clinical observations that occurred during the precohabitation, gestation and lactation periods were considered unrelated to the test article because: 1) the incidences were not dosage-dependent; 2) the observation occurred in only one or two rats; and/or 3) the observation is common in the laboratory environment. These observations included dental problems (misaligned, missing and/or broken teeth), chromodacryorrhea, swollen and purple ears, localized alopecia on the back, head, limbs and/or underside, abrasion or scab on the back, urine-stained abdominal fur, missing hindpaw digits, perivaginal swelling, swollen forepaw, chromorhinorrhea, soft or liquid feces, missing tail sheath, tip of tail black or missing and abrasion on the chest.

B.2. Maternal Body Weights and Body Weight Changes (Figure 4; Summaries - Tables E2 through E7; Individual Data - Tables E24 through E26)

B.2.a. Precohabitation

Body weights tended to be reduced in the 0.4 mg/kg/day dosage group on day 1 postweaning. No statistically significant or dosage-dependent differences in precohabitation body weight gains or body weights occurred in the F1 generation female rats during the precohabitation period.

B.2.b. Gestation

Maternal body weights and body weight gains during the gestation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day. All values were comparable among the three dosage groups and did not significantly differ.

B.2.c. Lactation

Significant ($p \leq 0.05$) maternal body weight loss occurred on DLs 1 to 4 in the 0.4 mg/kg/day dosage group, as compared to the control group value, after which body weight gains were greater than, or weight loss less than the control group values.

Maternal body weights and body weight gains during the lactation period were unaffected by the 0.1 mg/kg/day dosage of the test article.

B.3. Maternal Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values (Summaries - Tables E8 through E13; Individual Data - Tables E27 through E29)

B.3.a. Precohabitation

The 0.4 mg/kg/day dosage of the test article was associated with a significant reduction ($p \leq 0.05$) in absolute (g/day) feed consumption and a tendency for reduced relative (g/kg/day) feed consumption on days 1 to 8 postweaning, observations that were associated with the tendency for smaller body weight in this group on day 1 postweaning. Absolute and relative feed consumption values for the remainder of the precohabitation period were comparable and did not significantly differ among the three dosage groups.

B.3.b. Gestation

Absolute and relative feed consumption values during the gestation period were unaffected by dosages of the test article as high as 0.4 mg/kg/day. All values were comparable among the three dosage groups and did not significantly differ.

B.3.c. Lactation

The absolute maternal feed consumption value was significantly reduced ($p \leq 0.05$) on DLs 1 to 4 in the 0.4 mg/kg/day dosage group, as compared to the control group value. The relative feed consumption value was also reduced, however not significantly ($p > 0.05$). These observations were associated with the significant weight loss that occurred in this group on DLs 1 to 4 and attributed to the test article.

Absolute and relative feed consumption values during the lactation period were unaffected by the 0.1 mg/kg/day dosage of the test article.

B.4. Sexual Maturation (Summary - Table E14; Individual Data - Table E30)

Dosages of the test article as high as 0.4 mg/kg/day did not affect the average day of vaginal patency in the F1 generation female rats. No significant differences occurred among the three dosage groups.

B.5. Passive Avoidance Performance (Summary - Table E15; Individual Data -Table E31)

There were no biologically important differences in the values for learning, short-term retention, long-term retention or response inhibition in the F1 generation female rats, as evaluated by performance in a passive avoidance paradigm. No statistically significant differences occurred in the trial latencies or numbers of rats that failed to learn.

The number of trials to criterion was significantly reduced ($p \leq 0.05$) for the female rats in the 0.4 mg/kg/day dosage group, as compared to the control group value. This observation was not considered an effect of the test article because an increase in the number of trials to criterion, rather than a decrease, would be expected as an indication of toxicity.

B.6. Watermaze Performance (Summary - Table E16; Individual Data - Table E32)

No biologically important dosage-dependent differences occurred in watermaze performance of the F1 generation female rats regarding learning, short-term retention, long-term retention or response inhibition. No statistically significant differences occurred in the number of trials to criterion, trial latencies or numbers of rats that failed to learn.

B.7. Mating and Fertility (Summary - Table E17; Individual Data - Table E33)

Dosages of the test article as high as 0.4 mg/kg/day did not affect any mating and fertility parameters evaluated in the F1 generation female rats. Values for the number of days in cohabitation, the number of rats that mated, the fertility and pregnancy indices (number of pregnancies per number of rats that mated and rats in cohabitation, respectively), and the number of rats with confirmed mating dates during the first and second week of cohabitation were comparable among the three dosage groups.

B.8. Necropsy Observations (Summary - Table E18; Individual Data - Table E34)

All necropsy observations in the F1 generation female rats were considered unrelated to the test article because: 1) the observations occurred in rats in the control group; and 2) the observation commonly occurs in this strain of rat. These observations included rough and/or pitted cortex of the kidneys with calculi in the kidney and/or urinary bladder of two control group rats. One of these rats also had a tan granular material in the renal cortex and thickened walls of the urinary bladder. Necropsy observations for the 0.4 mg/kg/day dosage group dam that died as the result of an intubation error were described previously.

B.9. Natural Delivery and Litter Observations (Summaries - Tables E19 and E20; Individual Data - Tables E35 through E38)

Pregnancy occurred in 22 (95.6%), 21 (84.0%) and 24 (96.0%) of the 23, 25 and 25 female rats assigned to cohabitation in the 0 (Vehicle), 0.1 and 0.4 mg/kg/day dosage groups, respectively. All pregnant dams delivered litters. The gestation index (the percentage of pregnant rats with live offspring) was comparable across the three dosage groups.

The viability of the second generation offspring (F2 pups) was unaffected at the highest dosage tested, 0.4 mg/kg/day. Small increases in the number of dams with stillborn pups and in the number of pup deaths after DL 2 in the 0.4 mg/kg/day dosage group were not toxicologically important because: 1) the values were not significantly different from the control group values; 2) the average for live litter sizes delivered and surviving to DL 21 were greater than or comparable to the control group values; and 3) neither the viability or lactation indices for the 0.4 mg/kg/day dosage group remarkably differed from the control group values.

Pup body weights of the second generation offspring (F2 pups) were unaffected at the highest dosage tested, 0.4 mg/kg/day. Small reductions in pup body weights in the 0.1 and 0.4 mg/kg/day dosage groups were not toxicologically important because: 1) the small differences between the pup body weights for the control and 0.1 mg/kg/day dosage groups were not statistically significant and were associated with the larger live litter sizes of the 0.1 mg/kg/day dosage group on DLs1 through 4, as compared with the control group values, and the random selection of pups for continued observations on DL 4; 2) the small reductions in pup body weights in the 0.4 mg/kg/day dosage group were associated with a minimally larger live litter size at birth (DL 1) and on DL 4 preculling, as compared with the control group values, and the random selection of pups for continued observation on DL 4; the statistically significant reductions

($p \leq 0.05$ and $p \leq 0.01$, respectively) present on DLs 7 and 14, as compared to the control group values, were transient and disappeared by DL 21.

Administration of the test article at dosages as high as 0.4 mg/kg/day did not adversely affect any other parameter evaluated at natural delivery or during the 21-day lactation period (duration of gestation, averages for implantations and live litter sizes, numbers of dams with all pups dying during lactation, viability and lactation indices, surviving pups per litter and pup sex ratios).

B.10. Clinical Observations from Birth to Day 21 Postpartum and Necropsy Observations (Summaries - Tables E21 and E22; Individual Data - Tables E39 and E40)

No clinical or necropsy observations were attributable to dosages of the test article as high as 0.4 mg/kg/day because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one or two pups. These clinical observations included one control group pup that was not nesting or nursing, had decreased motor activity and was cold to the touch, one pup in each of the control and 0.4 mg/kg/day dosage groups that had a missing tip of tail and one 0.4 mg/kg/day dosage group pup that had an umbilical hernia.

No milk in stomach occurred in 2, 4 and 4 pups that were found dead in the three respective dosage groups. One control group pup had hydrocephaly and one 0.1 mg/kg/day dosage group pup had a raised tan area on the median and left lateral lobes of the liver at necropsy on DL 21.

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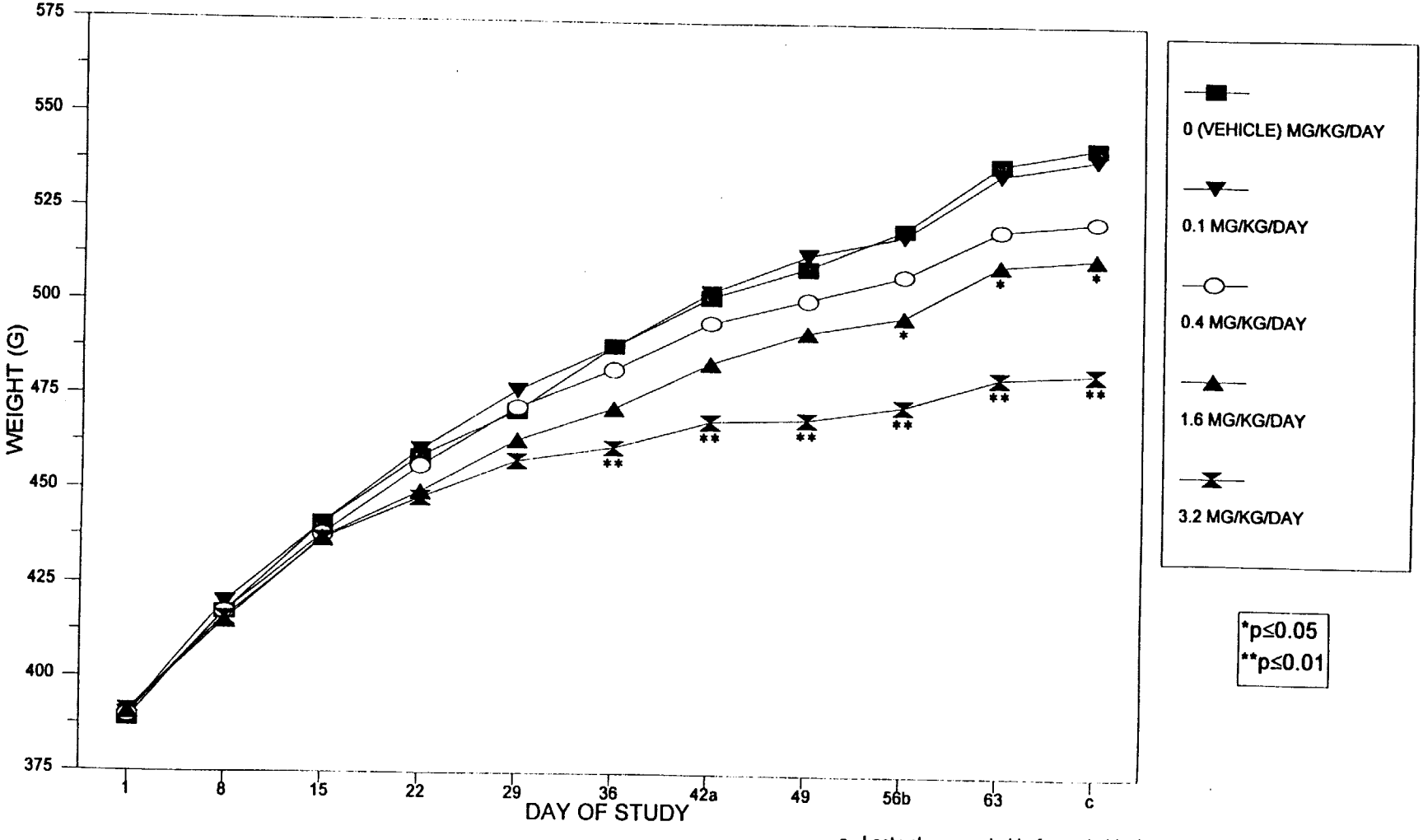
APPENDIX A

REPORT FIGURES

BODY WEIGHTS

Fo GENERATION MALE RATS

Figure 1

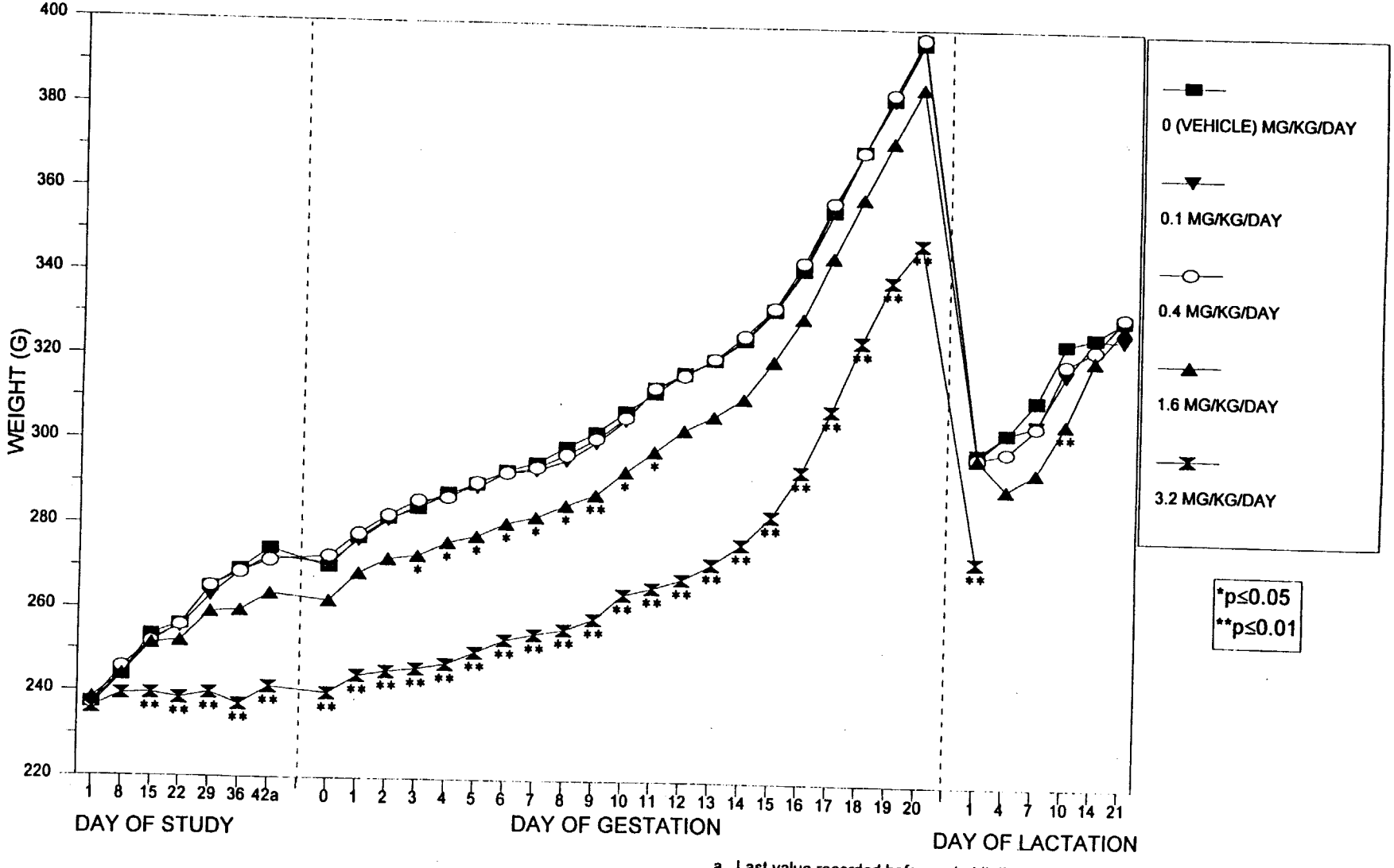


a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Terminal body weight.

BODY WEIGHTS

Fo GENERATION FEMALE RATS

Figure 2

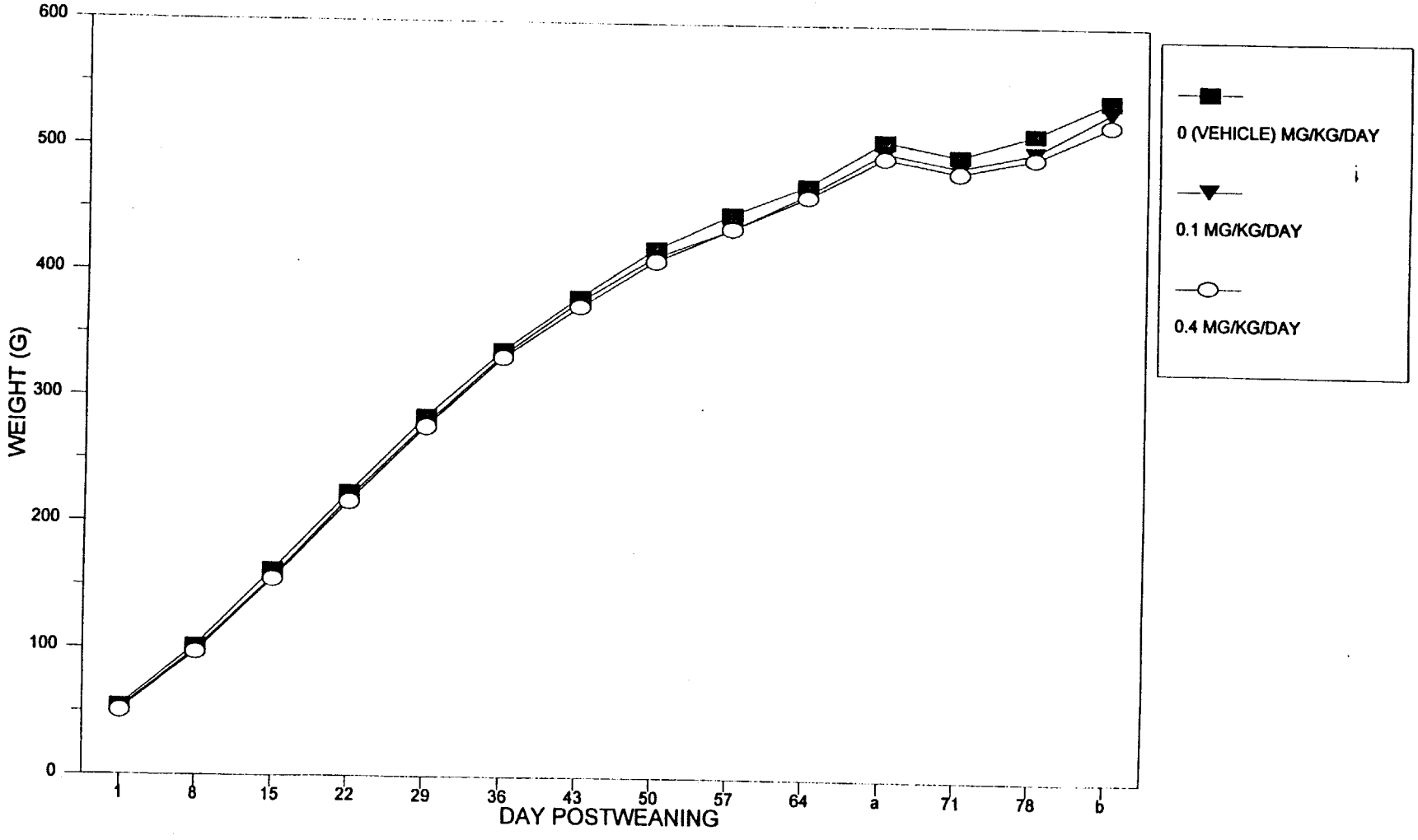


a. Last value recorded before cohabitation.

BODY WEIGHTS

F1 GENERATION MALE RATS

Figure 3

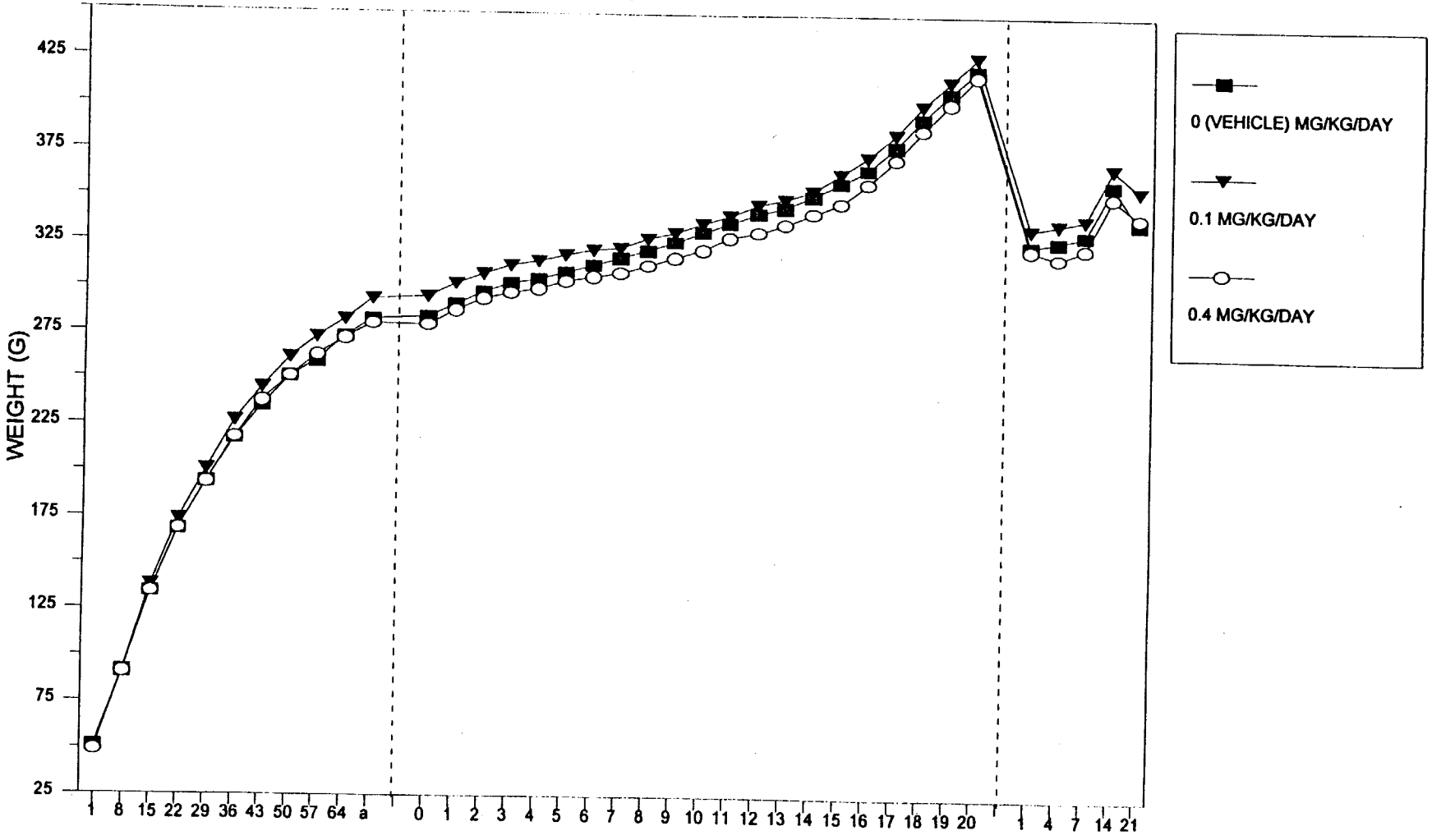


a. Precohabitation body weights.
b. Terminal body weights.

BODY WEIGHTS

F1 GENERATION FEMALE RATS

Figure 4



a. Precohabitation body weight.

402000

APPENDIX B

REPORT TABLES - Fo GENERATION MALE RATS

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP	I	II	III	IV	V
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	0.1	0.4	1.6	3.2
MAXIMUM POSSIBLE INCIDENCE	2345/ 35	2345/ 35	2345/ 35	2345/ 35	2345/ 35
MORTALITY	0	0	0	0	0
LOCALIZED ALOPECIA: LIMBS	102/ 4	54/ 2	37/ 2	100/ 4	3/ 2
LEFT EYE: CORNEAL OPACITY	0/ 0	0/ 0	0/ 0	0/ 0	34/ 1
INCISORS: TOTAL	78/ 3	2/ 1	102/ 4	66/ 2	12/ 1
MISSING/BROKEN	45/ 3	2/ 1	68/ 4	19/ 1	12/ 1
MISALIGNED	51/ 1	0/ 0	80/ 2	47/ 1	0/ 0
NECK: ABRASION	0/ 0	0/ 0	0/ 0	0/ 0	3/ 1
HYPERACTIVITY	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
CHROMODACRYORRHEA	24/ 1	0/ 0	34/ 2	41/ 1	0/ 0
SNOUT: SWOLLEN	0/ 0	0/ 0	27/ 1	43/ 1	0/ 0
CHROMORHINORRHEA	0/ 0	1/ 1	0/ 0	4/ 1	0/ 0
DYSPNEA	0/ 0	0/ 0	0/ 0	4/ 1	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.

602209

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B2 (PAGE 1): BODY WEIGHTS - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP			I	II	III	IV	V
DOSAGE (MG/KG/DAY)			0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED		N	35	35	35	35	35
BODY WEIGHT (G)							
DAY 1		MEAN±S.D	388.9 ± 22.0	390.1 ± 25.7	389.8 ± 23.6	390.8 ± 16.4	391.1 ± 18.0
DAY 8		MEAN±S.D	417.2 ± 25.8	419.8 ± 24.9	417.1 ± 24.0	414.8 ± 21.6	415.6 ± 21.8
DAY 15		MEAN±S.D	441.0 ± 30.1	441.1 ± 28.4	438.1 ± 28.4	437.2 ± 25.2	436.9 ± 25.8
DAY 22		MEAN±S.D	459.1 ± 36.3	460.8 ± 32.1	456.4 ± 32.1	449.6 ± 30.9	448.0 ± 30.2
DAY 29		MEAN±S.D	471.3 ± 41.9	476.7 ± 36.5	472.1 ± 34.3	463.5 ± 29.4	458.0 ± 34.3
DAY 36		MEAN±S.D	488.4 ± 42.4	488.5 ± 36.4	482.3 ± 36.1	472.1 ± 30.4	461.7 ± 36.1**
DAY 42a		MEAN±S.D	501.7 ± 45.3	503.1 ± 40.8	494.8 ± 34.0	484.2 ± 33.8	468.8 ± 37.7**
DAY 49		MEAN±S.D	509.8 ± 46.2	513.2 ± 42.3	501.2 ± 33.6	492.5 ± 35.2	469.4 ± 37.8**
DAY 56b		MEAN±S.D	520.2 ± 48.8	518.6 ± 45.0	507.9 ± 37.2	496.9 ± 36.5*	473.2 ± 37.9**
DAY 63		MEAN±S.D	538.0 ± 52.1	535.2 ± 48.6	520.2 ± 39.7	510.9 ± 39.4*	480.8 ± 41.8**
TERMINAL BODY WEIGHT		MEAN±S.D	542.6 ± 52.3	539.3 ± 49.2	522.6 ± 43.2	512.8 ± 40.5*	482.1 ± 41.5**

DAY = DAY OF STUDY
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000210

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B3 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
BODY WEIGHT CHANGE (G)						
DAYS 1 - 8	MEAN±S.D.	+28.2 ± 16.1	+29.7 ± 11.4	+27.3 ± 12.7	+23.9 ± 8.4	+24.5 ± 6.5
DAYS 8 - 15	MEAN±S.D.	+23.8 ± 7.8	+21.3 ± 6.6	+21.0 ± 7.4	+22.5 ± 6.8	+21.3 ± 7.3
DAYS 15 - 22	MEAN±S.D.	+18.1 ± 9.3	+19.8 ± 7.8	+18.3 ± 8.1	+12.3 ± 16.6	+11.1 ± 10.7*
DAYS 22 - 29	MEAN±S.D.	+12.2 ± 17.2	+15.9 ± 7.5	+15.7 ± 6.5	+13.9 ± 8.8	+10.0 ± 8.2
DAYS 29 - 36	MEAN±S.D.	+17.1 ± 15.7	+11.8 ± 5.6	+10.2 ± 5.7	+8.6 ± 7.4**	+3.6 ± 6.7**
DAYS 36 - 42a	MEAN±S.D.	+13.3 ± 7.8	+14.6 ± 6.9	+12.4 ± 12.1	+12.1 ± 7.2	+7.2 ± 6.3**
DAYS 1 - 42a	MEAN±S.D.	+112.8 ± 33.7	+113.0 ± 25.8	+105.0 ± 24.6	+93.4 ± 22.4**	+77.8 ± 25.2**
DAYS 56b- 63	MEAN±S.D.	+17.7 ± 5.8	+16.6 ± 7.2	+12.2 ± 8.8*	+14.0 ± 6.6	+7.7 ± 11.4**
DAYS 1 - 63	MEAN±S.D.	+149.0 ± 40.3	+145.1 ± 33.6	+130.3 ± 30.8*	+120.0 ± 28.9**	+89.8 ± 29.6**
DAY 1 - TERMINATION	MEAN±S.D.	+153.6 ± 41.5	+149.2 ± 34.5	+132.8 ± 34.0*	+121.9 ± 30.2**	+91.0 ± 29.9**

DAY(S) = DAY(S) OF STUDY
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000211

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B4 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
FEED CONSUMPTION (G/DAY)						
DAYS 1 - 8	MEAN±S.D.	26.6 ± 3.0	26.7 ± 2.2	26.8 ± 2.1	26.4 ± 2.4	26.8 ± 2.3
DAYS 8 - 15	MEAN±S.D.	27.0 ± 2.8	27.0 ± 2.2 [34]a	26.8 ± 2.4	25.9 ± 2.0	25.8 ± 2.3
DAYS 15 - 22	MEAN±S.D.	27.8 ± 3.4 [34]a	27.9 ± 3.0	27.4 ± 2.8	26.3 ± 2.8 [34]a	25.1 ± 3.4**
DAYS 22 - 29	MEAN±S.D.	28.0 ± 3.6	28.5 ± 2.4	27.9 ± 2.2	26.8 ± 2.4	26.4 ± 2.5
DAYS 29 - 36	MEAN±S.D.	29.5 ± 3.7	29.2 ± 2.4 [34]a	28.7 ± 2.4 [34]a	27.8 ± 2.6 [33]a	25.6 ± 2.5** [34]a
DAYS 36 - 42b	MEAN±S.D.	27.8 ± 3.2	27.4 ± 2.3	27.0 ± 2.9	26.6 ± 3.7	24.2 ± 2.1**
DAYS 1 - 42b	MEAN±S.D.	27.8 ± 2.8	27.8 ± 2.1	27.4 ± 1.9	26.6 ± 2.0*	25.7 ± 2.0**
DAYS 56c- 63	MEAN±S.D.	28.0 ± 2.7 [34]a	27.6 ± 2.4	26.6 ± 2.2*	25.8 ± 2.3**	23.7 ± 2.4**

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were incorrectly recorded, as well as those associated with spillage or wet feed.
b. Last value recorded before cohabitation.
c. First value recorded after cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000212

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B5 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
FEED CONSUMPTION (G/KG/DAY)						
DAYS 1 - 8	MEAN±S.D.	65.8 ± 5.4	65.9 ± 4.6	66.4 ± 4.6	65.5 ± 4.2	66.3 ± 3.8
DAYS 8 - 15	MEAN±S.D.	63.0 ± 4.0	62.8 ± 3.6 [34]a	62.7 ± 3.9	60.9 ± 3.3*	60.6 ± 3.6*
DAYS 15 - 22	MEAN±S.D.	61.5 ± 4.4 [34]a	61.9 ± 4.8	61.4 ± 4.9	59.2 ± 5.2 [34]a	56.7 ± 6.3**
DAYS 22 - 29	MEAN±S.D.	60.2 ± 6.7	60.9 ± 3.6	60.2 ± 4.0	58.9 ± 4.4	58.3 ± 4.7
DAYS 29 - 36	MEAN±S.D.	61.5 ± 5.8	60.2 ± 3.1 [34]a	59.9 ± 3.3 [34]a	59.3 ± 4.7 [33]a	55.8 ± 3.1** [34]a
DAYS 36 - 42b	MEAN±S.D.	56.2 ± 4.2	55.2 ± 2.4	55.3 ± 5.7	55.6 ± 5.9	52.0 ± 3.0**
DAYS 1 - 42b	MEAN±S.D.	61.4 ± 3.3	61.2 ± 2.4	61.0 ± 2.7	59.9 ± 2.8*	58.4 ± 2.3**
DAYS 56c- 63	MEAN±S.D.	52.8 ± 2.5 [34]a	52.4 ± 3.4	51.7 ± 3.3	51.2 ± 3.3	49.6 ± 2.6**

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were incorrectly recorded, as well as those associated with spillage or wet feed.
b. Last value recorded before cohabitation.
c. First value recorded after cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000213

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B6 (PAGE 1): MATING AND FERTILITY - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS IN COHABITATION	N	35	35	35	34a	35
DAYS IN COHABITATION b	MEAN±S.D	2.7 ± 1.8 [34]	2.6 ± 1.3	2.5 ± 1.8	2.1 ± 1.2 [31]	2.7 ± 1.8
RATS THAT MATED c	N(%)	35(100.0)	35(100.0)	33(94.3)	34(100.0)	32(91.4)
FERTILITY INDEX d,e	N/N (%)	33/35 (94.3)	32/35 (91.4)	27/33 (81.8)	29/34 (85.3)	28/32 (87.5)
RATS WITH CONFIRMED MATING DATES f	N	34	35	33	31	32
RATS MATING g DAYS 1-7	N(%)	34(100.0)	35(100.0)	33(100.0)	31(100.0)	32(100.0)
RATS PREGNANT/RATS IN COHABITATION f	N/N (%)	33/35 (94.3)	32/35 (91.4)	27/35 (77.1)	29/34 (85.3)	28/35 (80.0)

[ ] = NUMBER OF VALUES AVERAGED

a. Excludes values for rat 8238, which was not assigned to cohabitation because there were no available female rats.
b. Restricted to rats with a confirmed mating date on days 1 to 7 of cohabitation and rats that did not mate.
c. Includes only one mating for each male rat.
d. Number of pregnancies/number of rats that mated.
e. Includes only one pregnancy for each rat that impregnated more than one female rat.
f. Includes only one confirmed mating for each male rat.
g. Restricted to rats with a confirmed mating date on days 1 to 7 of cohabitation.

000214

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B7 (PAGE 1): NECROPSY OBSERVATIONS SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS EXAMINED a	N	35	35	35	35	35
MORTALITY	N	0	0	0	0	0
APPEARED NORMAL	N	33	35	34	32	29
TESTES:						
BILATERAL, SMALL, PURPLE AND/OR FLACCID	N	0	0	0	1	3
LIVER:						
LIGHT BROWN OR BROWN	N	0	0	0	0	3**
LARGE	N	1	0	0	1	0
ROUGH SURFACE	N	0	0	0	1	0
PAPILLARY PROCESS, CONSTRICTED AND NUMEROUS TAN, RAISED AREAS	N	0	0	0	1	0
PROSTATE:						
SMALL	N	1	0	0	0	1
EYES:						
LEFT, LENS OPAQUE	N	0	0	0	0	1
KIDNEYS:						
BILATERAL, LARGE	N	1	0	0	1	0
PARENCHYMA, CONTAINED MULTIPLE, PALE, FLUID-FILLED CYSTS	N	0	0	0	1	0
RIGHT, PELVIS, SLIGHT DILATION	N	0	0	1	0	0
SPLEEN:						
LARGE	N	1	0	0	0	0

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

000215

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B8 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS TESTED	N	35	35	35	35	35
TERMINAL BODY WEIGHT	MEAN±S.D.	542.6 ± 52.3	539.3 ± 49.2	522.6 ± 43.2	512.8 ± 40.5*	482.1 ± 41.5**
EPIDIDYMIS LEFT	MEAN±S.D.	0.70 ± 0.08	0.72 ± 0.08	0.70 ± 0.06	0.70 ± 0.07	0.68 ± 0.07
TESTIS LEFT	MEAN±S.D.	1.72 ± 0.19 [33]b	1.76 ± 0.14	1.72 ± 0.15	1.74 ± 0.13 [34]b	1.79 ± 0.22 [32]b
SEMINAL VESICLES WITH FLUID	MEAN±S.D.	2.07 ± 0.34	2.11 ± 0.32	1.97 ± 0.33 [34]b	2.01 ± 0.35 [34]b	1.77 ± 0.28** [34]b
SEMINAL VESICLES WITHOUT FLUID	MEAN±S.D.	0.99 ± 0.23	1.01 ± 0.21	0.95 ± 0.18	0.98 ± 0.17	0.92 ± 0.19
EPIDIDYMIS RIGHT	MEAN±S.D.	0.72 ± 0.08	0.74 ± 0.07	0.72 ± 0.06	0.70 ± 0.08	0.69 ± 0.08
TESTIS RIGHT	MEAN±S.D.	1.75 ± 0.16	1.75 ± 0.15	1.71 ± 0.16	1.74 ± 0.14 [34]b	1.78 ± 0.22 [32]b
PROSTATE	MEAN±S.D.	1.18 ± 0.27 [34]b	1.28 ± 0.28	1.15 ± 0.31	1.13 ± 0.29	1.02 ± 0.22* [34]b

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that had abnormal organs (weight affected) or organs damaged (weight affected).
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B9 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - Fo GENERATION MALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
TERMINAL BODY WEIGHT	MEAN±S.D.	542.6 ± 52.3	539.3 ± 49.2	522.6 ± 43.2	512.8 ± 40.5*	482.1 ± 41.5**
EPIDIDYMIS LEFT	MEAN±S.D.	0.131 ± 0.018	0.134 ± 0.016	0.134 ± 0.016	0.136 ± 0.016	0.141 ± 0.018
TESTIS LEFT	MEAN±S.D.	0.319 ± 0.043	0.327 ± 0.032	0.331 ± 0.037	0.339 ± 0.032 [34]b	0.369 ± 0.046** [32]b
SEMINAL VESICLES WITH FLUID	MEAN±S.D.	0.382 ± 0.062 [33]b	0.391 ± 0.054	0.380 ± 0.067 [34]b	0.394 ± 0.068 [34]b	0.368 ± 0.061 [34]b
SEMINAL VESICLES WITHOUT FLUID	MEAN±S.D.	0.183 ± 0.046	0.186 ± 0.036	0.182 ± 0.035	0.192 ± 0.035	0.191 ± 0.040
EPIDIDYMIS RIGHT	MEAN±S.D.	0.134 ± 0.018	0.138 ± 0.016	0.137 ± 0.015	0.137 ± 0.016	0.142 ± 0.016
TESTIS RIGHT	MEAN±S.D.	0.324 ± 0.038	0.327 ± 0.038	0.328 ± 0.034	0.340 ± 0.035 [34]b	0.370 ± 0.046** [32]b
PROSTATE	MEAN±S.D.	0.218 ± 0.053 [34]b	0.239 ± 0.057	0.220 ± 0.062	0.219 ± 0.054	0.212 ± 0.045 [34]b

ALL WEIGHTS WERE RECORDED IN GRAMS (G). RATIOS (%) = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that had abnormal organs (weight affected) or organs damaged (weight affected).
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000217

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP I.		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
8101	DS(16- 23)	INCISORS: MISSING/BROKEN
	DS(24)	INCISORS: GROWN IN
8102		NO ADVERSE FINDINGS
8103		NO ADVERSE FINDINGS
8104	DS(5- 33)	INCISORS: MISSING/BROKEN
	DS(34)	INCISORS: GROWN IN
	DS(6- 17)	CHROMODACRYORRHEA
	DS(17- 67)	INCISORS: MISALIGNED a
	DS(20- 30)	CHROMODACRYORRHEA
	DS(67)	CHROMODACRYORRHEA a
	DS(67)	INCISORS: MISSING/BROKEN a
8105		NO ADVERSE FINDINGS
8106		NO ADVERSE FINDINGS
8107		NO ADVERSE FINDINGS
8108		NO ADVERSE FINDINGS
8109		NO ADVERSE FINDINGS
8110		NO ADVERSE FINDINGS
8111		NO ADVERSE FINDINGS
8112		NO ADVERSE FINDINGS
8113	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8114	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8115	DS(56- 62)	INCISORS: MISSING/BROKEN
	DS(63)	INCISORS: GROWN IN
8116		NO ADVERSE FINDINGS
8117	DS(21- 67)	LOCALIZED ALOPECIA: LIMBS a
8118		NO ADVERSE FINDINGS
8119		NO ADVERSE FINDINGS
8120		NO ADVERSE FINDINGS
8121		NO ADVERSE FINDINGS
8122		NO ADVERSE FINDINGS
8123		NO ADVERSE FINDINGS
8124		NO ADVERSE FINDINGS
8125		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000218

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
8126		NO ADVERSE FINDINGS
8127		NO ADVERSE FINDINGS
8128		NO ADVERSE FINDINGS
8129		NO ADVERSE FINDINGS
8130		NO ADVERSE FINDINGS
8131		NO ADVERSE FINDINGS
8132		NO ADVERSE FINDINGS
8133	DS(17- 67)	LOCALIZED ALOPECIA: LIMBS a
8134		NO ADVERSE FINDINGS
8135		NO ADVERSE FINDINGS

DS = DAY OF STUDY

a. Observation confirmed at necropsy.

000219

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
8136		NO ADVERSE FINDINGS
8137		NO ADVERSE FINDINGS
8138		NO ADVERSE FINDINGS
8139		NO ADVERSE FINDINGS
8140		NO ADVERSE FINDINGS
8141		NO ADVERSE FINDINGS
8142	DS(16- 67)	LOCALIZED ALOPECIA: LIMBS a
8143		NO ADVERSE FINDINGS
8144		NO ADVERSE FINDINGS
8145		NO ADVERSE FINDINGS
8146	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8147		NO ADVERSE FINDINGS
8148		NO ADVERSE FINDINGS
8149		NO ADVERSE FINDINGS
8150		NO ADVERSE FINDINGS
8151		NO ADVERSE FINDINGS
8152		NO ADVERSE FINDINGS
8153		NO ADVERSE FINDINGS
8154		NO ADVERSE FINDINGS
8155		NO ADVERSE FINDINGS
8156		NO ADVERSE FINDINGS
8157		NO ADVERSE FINDINGS
8158		NO ADVERSE FINDINGS
8159		NO ADVERSE FINDINGS
8160		NO ADVERSE FINDINGS
8161	DS(66- 67)	INCISORS: MISSING/BROKEN a
8162		NO ADVERSE FINDINGS
8163		NO ADVERSE FINDINGS
8164		NO ADVERSE FINDINGS
8165		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000220

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
8166		NO ADVERSE FINDINGS
8167		NO ADVERSE FINDINGS
8168		NO ADVERSE FINDINGS
8169		NO ADVERSE FINDINGS
8170	DS(67)	CHROMORHINORRHEA a

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000221

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
8171	DS(9- 16)	INCISORS: MISSING/BROKEN
	DS(17)	INCISORS: GROWN IN
8172	DS(38- 67)	CHROMODACRYORRHEA a
	DS(38- 67)	INCISORS: MISSING/BROKEN a
	DS(38- 67)	INCISORS: MISALIGNED a
	DS(41- 67)	SNOUT: SWOLLEN a
8173		NO ADVERSE FINDINGS
8174		NO ADVERSE FINDINGS
8175		NO ADVERSE FINDINGS
8176		NO ADVERSE FINDINGS
8177		NO ADVERSE FINDINGS
8178		NO ADVERSE FINDINGS
8179		NO ADVERSE FINDINGS
8180		NO ADVERSE FINDINGS
8181		NO ADVERSE FINDINGS
8182		NO ADVERSE FINDINGS
8183		NO ADVERSE FINDINGS
8184		NO ADVERSE FINDINGS
8185	DS(9- 11)	CHROMODACRYORRHEA
	DS(9- 16)	INCISORS: MISSING/BROKEN
	DS(17- 67)	INCISORS: MISALIGNED a
	DS(34)	CHROMODACRYORRHEA
	DS(52- 67)	INCISORS: MISSING/BROKEN a
	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8186		NO ADVERSE FINDINGS
8187		NO ADVERSE FINDINGS
8188		NO ADVERSE FINDINGS
8189		NO ADVERSE FINDINGS
8190		NO ADVERSE FINDINGS
8191		NO ADVERSE FINDINGS
8192		NO ADVERSE FINDINGS
8193		NO ADVERSE FINDINGS
8194	DS(33- 67)	LOCALIZED ALOPECIA: LIMBS a
8195		NO ADVERSE FINDINGS
8196		NO ADVERSE FINDINGS
8197		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

223090

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
8198		NO ADVERSE FINDINGS
8199		NO ADVERSE FINDINGS
8200		NO ADVERSE FINDINGS
8201		NO ADVERSE FINDINGS
8202		NO ADVERSE FINDINGS
8203	DS(7- 12)	INCISORS: MISSING/BROKEN
	DS(13)	INCISORS: GROWN IN
8204		NO ADVERSE FINDINGS
8205		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000223

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 7): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP IV		1.6 MG/KG/DAY
RAT #		DESCRIPTION
8206		NO ADVERSE FINDINGS
8207	DS(25- 67)	LOCALIZED ALOPECIA: LIMBS a
8208		NO ADVERSE FINDINGS
8209		NO ADVERSE FINDINGS
8210		NO ADVERSE FINDINGS
8211		NO ADVERSE FINDINGS
8212		NO ADVERSE FINDINGS
8213		NO ADVERSE FINDINGS
8214	DS(14- 67)	LOCALIZED ALOPECIA: LIMBS a
8215		NO ADVERSE FINDINGS
8216		NO ADVERSE FINDINGS
8217	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8218		NO ADVERSE FINDINGS
8219		NO ADVERSE FINDINGS
8220		NO ADVERSE FINDINGS
8221		NO ADVERSE FINDINGS
8222		NO ADVERSE FINDINGS
8223		NO ADVERSE FINDINGS
8224	DS(17)	CHROMODACRYORRHEA
	DS(17- 20)	CHROMORHINORRHEA
	DS(17- 20)	DYSPNEA
	DS(17- 59)	SNOUT: SWOLLEN
	DS(21- 58)	CHROMODACRYORRHEA
	DS(21- 67)	INCISORS: MISALIGNED a
	DS(65)	CHROMODACRYORRHEA
	DS(67)	CHROMODACRYORRHEA a
8225		NO ADVERSE FINDINGS
8226		NO ADVERSE FINDINGS
8227		NO ADVERSE FINDINGS
8228		NO ADVERSE FINDINGS
8229		NO ADVERSE FINDINGS
8230		NO ADVERSE FINDINGS
8231		NO ADVERSE FINDINGS
8232		NO ADVERSE FINDINGS
8233		NO ADVERSE FINDINGS
8234		NO ADVERSE FINDINGS
8235		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000224

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 8): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP IV		1.6 MG/KG/DAY
RAT #		DESCRIPTION
8236		NO ADVERSE FINDINGS
8237		NO ADVERSE FINDINGS
8238	DS(13- 31)	INCISORS: MISSING/BROKEN
	DS(32)	INCISORS: GROWN IN
8239		NO ADVERSE FINDINGS
8240	DS(67)	LOCALIZED ALOPECIA: LIMBS a

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000225

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 9): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP V		3.2 MG/KG/DAY
RAT #		DESCRIPTION
8241		NO ADVERSE FINDINGS
8242		NO ADVERSE FINDINGS
8243	DS(66- 67)	LOCALIZED ALOPECIA: LIMBS a
8244		NO ADVERSE FINDINGS
8245		NO ADVERSE FINDINGS
8246		NO ADVERSE FINDINGS
8247		NO ADVERSE FINDINGS
8248		NO ADVERSE FINDINGS
8249		NO ADVERSE FINDINGS
8250		NO ADVERSE FINDINGS
8251		NO ADVERSE FINDINGS
8252		NO ADVERSE FINDINGS
8253	DS(54)	HYPERACTIVITY
	DS(54)	EXCESS SALIVATION
8254		NO ADVERSE FINDINGS
8255		NO ADVERSE FINDINGS
8256		NO ADVERSE FINDINGS
8257	DS(34- 67)	LEFT EYE: CORNEAL OPACITY a
8258		NO ADVERSE FINDINGS
8259		NO ADVERSE FINDINGS
8260		NO ADVERSE FINDINGS
8261		NO ADVERSE FINDINGS
8262		NO ADVERSE FINDINGS
8263		NO ADVERSE FINDINGS
8264		NO ADVERSE FINDINGS
8265	DS(65- 67)	NECK: ABRASION (3.0 CM X 0.5 CM)a
8266	DS(32- 43)	INCISORS: MISSING/BROKEN
	DS(44)	INCISORS: GROWN IN
8267		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

000226

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B10 (PAGE 10): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP V		3.2 MG/KG/DAY
RAT #		DESCRIPTION
8268		NO ADVERSE FINDINGS
8269	DS(67)	LOCALIZED ALOPECIA: LIMBS a
8270		NO ADVERSE FINDINGS
8271		NO ADVERSE FINDINGS
8272		NO ADVERSE FINDINGS
8273		NO ADVERSE FINDINGS
8274		NO ADVERSE FINDINGS
8275		NO ADVERSE FINDINGS

DS = DAY OF STUDY
a. Observation confirmed at necropsy.

422000

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY					
8101	354.	371.	363.	377.	385.	392.	398.	411.	409.	420.
8102	434.	477.	508.	549.	566.	591.	613.	628.	637.	659.
8103	400.	428.	450.	462.	485.	485.	513.	519.	526.	551.
8104	393.	390.	416.	437.	366.	452.	478.	480.	483.	496.
8105	362.	383.	410.	422.	432.	452.	476.	474.	477.	492.
8106	410.	468.	505.	546.	532.	586.	606.	622.	643.	661.
8107	394.	409.	440.	453.	476.	486.	491.	502.	510.	523.
8108	386.	400.	422.	438.	439.	443.	454.	470.	478.	494.
8109	361.	387.	412.	430.	435.	449.	459.	470.	476.	488.
8110	412.	440.	467.	495.	514.	529.	528.	553.	567.	589.
8111	391.	427.	453.	461.	493.	504.	501.	512.	513.	537.
8112	394.	425.	451.	476.	486.	498.	504.	499.	525.	537.
8113	365.	382.	402.	420.	430.	439.	447.	453.	461.	471.
8114	410.	436.	454.	473.	486.	495.	507.	520.	525.	551.
8115	380.	397.	416.	434.	450.	463.	467.	481.	491.	502.
8116	400.	432.	458.	478.	505.	516.	526.	535.	546.	561.
8117	380.	398.	412.	429.	438.	451.	466.	458.	484.	498.
8118	414.	439.	465.	495.	516.	541.	564.	562.	573.	596.
8119	391.	416.	437.	454.	454.	470.	492.	498.	516.	524.
8120	395.	421.	456.	466.	483.	504.	516.	528.	526.	552.
8121	359.	377.	407.	425.	432.	433.	443.	451.	462.	481.
8122	418.	446.	467.	488.	501.	507.	520.	532.	548.	561.
8123	391.	414.	436.	453.	477.	494.	498.	510.	521.	539.
8124	411.	442.	467.	494.	503.	506.	529.	531.	542.	567.
8125	373.	401.	423.	442.	462.	470.	484.	486.	495.	513.
8126	321.	417.	453.	476.	491.	505.	518.	527.	550.	566.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

822000 000228

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY					
8127	393.	418.	446.	461.	480.	502.	515.	523.	525.	550.
8128	407.	453.	473.	495.	531.	549.	569.	577.	595.	624.
8129	377.	413.	438.	450.	458.	472.	488.	502.	518.	534.
8130	399.	427.	453.	479.	492.	510.	525.	522.	538.	557.
8131	381.	402.	424.	426.	446.	466.	479.	488.	500.	511.
8132	397.	419.	437.	431.	443.	481.	497.	503.	520.	538.
8133	364.	376.	389.	394.	411.	425.	424.	436.	434.	446.
8134	398.	440.	465.	477.	500.	518.	536.	545.	551.	580.
8135	398.	430.	460.	484.	499.	511.	530.	536.	544.	561.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000229

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY					
8136	353.	365.	372.	384.	378.	393.	396.	401.	409.	408.
8137	433.	472.	497.	525.	547.	556.	578.	584.	600.	615.
8138	383.	410.	422.	453.	461.	474.	492.	491.	507.	515.
8139	385.	409.	426.	444.	468.	466.	478.	485.	489.	504.
8140	367.	390.	409.	422.	435.	452.	466.	476.	478.	491.
8141	418.	461.	490.	521.	536.	539.	563.	574.	583.	597.
8142	379.	404.	423.	436.	449.	465.	467.	478.	476.	493.
8143	390.	425.	450.	467.	472.	482.	496.	508.	508.	528.
8144	357.	390.	404.	423.	433.	435.	448.	452.	453.	457.
8145	408.	434.	456.	467.	487.	496.	512.	524.	520.	524.
8146	404.	436.	459.	483.	508.	522.	537.	550.	542.	559.
8147	398.	427.	452.	465.	486.	492.	507.	521.	522.	538.
8148	373.	398.	417.	426.	431.	437.	447.	458.	463.	474.
8149	416.	446.	460.	483.	498.	511.	513.	531.	532.	556.
8150	384.	410.	431.	456.	474.	489.	500.	515.	526.	544.
8151	400.	436.	456.	467.	477.	479.	492.	509.	509.	525.
8152	379.	412.	435.	462.	475.	494.	504.	517.	526.	546.
8153	414.	444.	480.	512.	540.	549.	567.	572.	594.	612.
8154	391.	424.	452.	471.	486.	494.	500.	515.	525.	539.
8155	374.	412.	430.	454.	472.	489.	504.	504.	500.	522.
8156	430.	466.	500.	530.	550.	567.	594.	603.	622.	648.
8157	388.	408.	423.	447.	472.	486.	509.	508.	519.	543.
8158	375.	402.	422.	445.	450.	460.	474.	484.	490.	518.
8159	402.	423.	447.	474.	479.	495.	502.	512.	517.	538.
8160	290.	368.	396.	420.	439.	450.	455.	464.	467.	486.
8161	404.	431.	452.	469.	485.	491.	508.	514.	519.	533.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000230

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY					
8162	378.	392.	410.	426.	435.	450.	467.	474.	476.	497.
8163	404.	426.	456.	481.	507.	520.	549.	556.	557.	580.
8164	381.	390.	413.	434.	450.	467.	482.	492.	498.	522.
8165	406.	437.	462.	479.	499.	509.	529.	546.	552.	571.
8166	387.	425.	444.	443.	466.	477.	501.	517.	523.	534.
8167	407.	447.	456.	469.	487.	511.	527.	537.	550.	572.
8168	379.	408.	424.	433.	450.	466.	471.	476.	477.	486.
8169	404.	426.	443.	460.	483.	502.	518.	531.	532.	536.
8170	412.	438.	469.	499.	521.	534.	556.	582.	590.	621.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 5): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY					
8171	354.	366.	375.	379.	387.	390.	402.	409.	416.	418.
8172	437.	480.	517.	543.	565.	578.	528.	542.	575.	566.
8173	394.	422.	436.	456.	467.	474.	485.	494.	489.	486.
8174	396.	421.	443.	462.	478.	486.	503.	498.	516.	522.
8175	360.	384.	392.	398.	410.	425.	448.	458.	462.	482.
8176	408.	448.	478.	500.	511.	523.	544.	542.	549.	573.
8177	385.	411.	424.	446.	467.	468.	491.	501.	511.	528.
8178	392.	418.	445.	469.	484.	491.	503.	511.	515.	530.
8179	361.	385.	416.	436.	453.	454.	470.	475.	472.	489.
8180	408.	427.	452.	476.	485.	492.	511.	522.	528.	535.
8181	396.	423.	438.	459.	468.	479.	490.	490.	483.	490.
8182	399.	417.	437.	464.	472.	482.	499.	502.	514.	532.
8183	373.	386.	412.	430.	435.	444.	448.	452.	460.	468.
8184	417.	448.	477.	508.	533.	546.	559.	574.	588.	604.
8185	382.	407.	415.	433.	443.	456.	461.	474.	471.	491.
8186	408.	429.	451.	460.	466.	466.	467.	477.	482.	488.
8187	377.	406.	431.	446.	455.	473.	485.	499.	507.	515.
8188	404.	430.	455.	477.	496.	507.	521.	519.	536.	534.
8189	379.	391.	406.	433.	451.	449.	465.	474.	475.	486.
8190	404.	422.	447.	463.	475.	482.	493.	499.	506.	528.
8191	380.	401.	427.	447.	470.	482.	490.	497.	499.	521.
8192	406.	437.	456.	477.	490.	500.	514.	513.	515.	534.
8193	389.	415.	439.	466.	481.	486.	511.	518.	526.	546.
8194	389.	405.	428.	434.	465.	477.	489.	505.	522.	536.
8195	298.	378.	400.	424.	434.	444.	458.	468.	479.	491.
8196	408.	436.	463.	481.	502.	513.	530.	535.	551.	577.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000332

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 6): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY					
8197	389.	428.	442.	467.	484.	502.	518.	516.	516.	518.
8198	399.	422.	444.	453.	467.	484.	494.	499.	501.	518.
8199	386.	416.	440.	466.	485.	502.	518.	514.	513.	539.
8200	409.	448.	482.	509.	529.	538.	549.	553.	571.	583.
8201	384.	405.	413.	413.	437.	446.	460.	467.	466.	469.
8202	417.	465.	485.	487.	515.	540.	563.	574.	576.	601.
8203	374.	404.	417.	424.	445.	459.	478.	489.	491.	498.
8204	397.	406.	422.	438.	447.	463.	474.	474.	484.	490.
8205	385.	412.	430.	451.	472.	481.	499.	510.	513.	520.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000233

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 7): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP IV				1.6 MG/KG/DAY					
8206	354.	361.	383.	395.	407.	417.	428.	428.	433.	444.
8207	428.	463.	496.	506.	523.	524.	539.	546.	563.	576.
8208	384.	409.	430.	453.	463.	464.	479.	488.	508.	520.
8209	399.	427.	446.	465.	472.	485.	498.	506.	517.	531.
8210	364.	376.	394.	408.	413.	419.	434.	442.	455.	464.
8211	402.	426.	454.	474.	486.	486.	500.	507.	514.	532.
8212	387.	420.	436.	446.	462.	470.	480.	502.	491.	514.
8213	392.	411.	429.	446.	453.	460.	468.	512.	493.	499.
8214	375.	393.	412.	424.	435.	444.	460.	463.	474.	486.
8215	422.	448.	477.	491.	495.	502.	532.	538.	535.	551.
8216	387.	412.	437.	464.	471.	487.	510.	514.	520.	547.
8217	398.	428.	450.	472.	484.	492.	503.	511.	518.	531.
8218	363.	383.	402.	423.	438.	435.	439.	443.	448.	460.
8219	403.	436.	456.	473.	485.	498.	504.	515.	517.	538.
8220	395.	421.	437.	451.	467.	475.	492.	490.	493.	496.
8221	402.	433.	461.	471.	482.	489.	501.	502.	514.	535.
8222	379.	406.	423.	446.	454.	470.	473.	472.	465.	482.
8223	405.	432.	453.	471.	497.	524.	540.	554.	567.	579.
8224	385.	415.	437.	367.	408.	438.	461.	477.	486.	494.
8225	400.	402.	437.	462.	473.	484.	495.	508.	518.	534.
8226	380.	407.	429.	444.	459.	472.	478.	490.	494.	505.
8227	405.	438.	468.	478.	497.	508.	528.	530.	538.	562.
8228	373.	385.	394.	392.	405.	402.	412.	415.	416.	419.
8229	408.	428.	456.	478.	495.	494.	510.	512.	517.	534.
8230	382.	396.	418.	431.	446.	458.	466.	468.	462.	488.
8231	405.	434.	466.	484.	487.	491.	494.	498.	495.	512.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000234

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 8): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP IV				1.6 MG/KG/DAY					
8232	390.	411.	437.	438.	450.	459.	471.	487.	485.	501.
8233	397.	422.	452.	471.	488.	494.	501.	505.	515.	523.
8234	376.	402.	428.	449.	466.	468.	470.	481.	493.	512.
8235	397.	435.	441.	469.	486.	498.	512.	526.	526.	538.
8236	373.	392.	405.	401.	440.	452.	455.	460.	463.	481.
8237	406.	443.	478.	478.	503.	523.	554.	567.	567.	589.
8238	380.	400.	421.	421.	433.	438.	440.	454.	450.	458.
8239	406.	418.	439.	447.	442.	442.	448.	449.	451.	456.
8240	378.	404.	422.	447.	457.	462.	474.	477.	490.	491.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

3M Confidential

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 9): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP V				3.2 MG/KG/DAY					
8241	354.	380.	392.	393.	396.	391.	394.	395.	393.	400.
8242	439.	477.	507.	528.	553.	554.	559.	572.	566.	578.
8243	390.	415.	441.	458.	466.	470.	486.	482.	483.	513.
8244	395.	410.	426.	445.	456.	462.	469.	473.	473.	482.
8245	366.	378.	400.	413.	421.	422.	436.	437.	444.	451.
8246	410.	432.	448.	474.	480.	497.	500.	497.	508.	515.
8247	377.	404.	425.	426.	425.	421.	429.	425.	427.	430.
8248	388.	420.	434.	453.	451.	459.	472.	482.	481.	447.
8249	367.	388.	396.	406.	413.	408.	417.	418.	421.	431.
8250	405.	431.	450.	463.	476.	476.	477.	481.	478.	496.
8251	384.	402.	422.	438.	445.	444.	453.	456.	466.	447.
8252	391.	415.	434.	446.	449.	451.	458.	468.	470.	474.
8253	359.	375.	398.	421.	432.	436.	435.	436.	436.	448.
8254	415.	438.	461.	480.	491.	494.	500.	502.	500.	511.
8255	390.	413.	444.	461.	469.	478.	473.	467.	476.	490.
8256	398.	417.	439.	449.	453.	447.	443.	451.	442.	462.
8257	378.	393.	403.	411.	409.	415.	416.	414.	420.	425.
8258	405.	439.	460.	481.	486.	490.	485.	492.	497.	498.
8259	388.	407.	428.	438.	438.	432.	440.	434.	433.	432.
8260	413.	439.	463.	491.	504.	517.	527.	516.	521.	555.
8261	370.	394.	408.	425.	424.	431.	435.	437.	445.	453.
8262	409.	425.	434.	448.	447.	445.	450.	450.	457.	466.
8263	379.	408.	439.	465.	483.	492.	500.	498.	511.	520.
8264	403.	436.	461.	486.	502.	493.	505.	503.	510.	516.
8265	374.	397.	406.	395.	410.	414.	413.	413.	424.	423.
8266	401.	429.	450.	440.	452.	464.	466.	474.	477.	488.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000236

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B11 (PAGE 10): BODY WEIGHTS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAY	1	8	15	22	29	36	42a	49	56	63b
RAT #	DOSAGE GROUP V				3.2 MG/KG/DAY					
8267	375.	395.	410.	403.	414.	415.	423.	422.	430.	432.
8268	410.	448.	484.	498.	516.	517.	531.	528.	534.	544.
8269	382.	415.	440.	453.	470.	479.	493.	494.	498.	507.
8270	403.	428.	456.	457.	479.	481.	500.	491.	492.	498.
8271	386.	410.	432.	432.	456.	474.	483.	489.	495.	510.
8272	405.	439.	470.	464.	494.	493.	512.	512.	520.	529.
8273	379.	399.	435.	432.	440.	442.	456.	460.	455.	458.
8274	400.	423.	443.	453.	460.	467.	477.	481.	491.	497.
8275	400.	427.	452.	454.	472.	488.	497.	480.	487.	504.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000237

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY		
8101	158.	147.	149.	165.	151.	130.	158.
8102	229.	232.	253.	233.	254.	193.	232.
8103	173.	174.	183.	185.	189.	160.	190.
8104	164.	164.	173.	108.	228.	182.	c
8105	168.	184.	187.	179.	195.	172.	192.
8106	226.	229.	254.	202.	279.	213.	242.
8107	180.	188.	193.	190.	197.	153.	183.
8108	167.	178.	183.	188.	169.	146.	184.
8109	148.	159.	171.	162.	168.	145.	166.
8110	181.	188.	201.	208.	213.	154.	215.
8111	189.	189.	202.	213.	222.	146.	194.
8112	206.	219.	224.	231.	230.	175.	211.
8113	160.	168.	176.	174.	177.	146.	168.
8114	185.	182.	195.	190.	201.	160.	206.
8115	172.	185.	191.	200.	196.	147.	190.
8116	186.	193.	199.	199.	201.	160.	192.
8117	170.	177.	185.	175.	186.	156.	188.
8118	208.	213.	222.	224.	230.	198.	216.
8119	184.	190.	194.	176.	196.	174.	195.
8120	179.	178.	191.	184.	197.	169.	191.
8121	166.	181.	201.	184.	186.	144.	179.
8122	197.	193.	203.	193.	208.	167.	200.
8123	199.	193.	197.	207.	212.	162.	195.
8124	208.	192.	205.	185.	196.	173.	187.
8125	169.	171.	178.	183.	182.	150.	172.
8126	212.	204.	201.	193.	196.	159.	198.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Spilled feed precluded the calculation of this value.

000238

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY			
8127	191.	194.	191.	189.	196.	170.	200.
8128	222.	204.	228.	231.	235.	196.	225.
8129	207.	204.	203.	202.	210.	174.	200.
8130	192.	199.	201.	205.	223.	189.	202.
8131	189.	206.	169.	243.	237.	191.	214.
8132	177.	180.	c	213.	233.	176.	203.
8133	155.	158.	131.	195.	182.	142.	159.
8134	199.	206.	185.	226.	234.	184.	211.
8135	199.	211.	198.	225.	228.	183.	204.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Spilled feed precluded the calculation of this value.

000239

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 3): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY			
8136	149.	157.	172.	167.	c	132.	174.
8137	205.	209.	214.	206.	208.	172.	204.
8138	168.	163.	180.	181.	182.	157.	181.
8139	169.	170.	185.	189.	193.	154.	193.
8140	166.	183.	202.	178.	191.	151.	179.
8141	217.	209.	228.	225.	243.	181.	213.
8142	171.	172.	184.	184.	185.	157.	183.
8143	200.	210.	214.	201.	199.	167.	196.
8144	182.	185.	182.	179.	177.	153.	163.
8145	179.	188.	196.	186.	203.	168.	149.
8146	192.	201.	208.	215.	214.	170.	186.
8147	188.	196.	202.	217.	208.	163.	203.
8148	169.	171.	173.	179.	178.	140.	175.
8149	208.	195.	208.	191.	212.	158.	204.
8150	184.	181.	183.	192.	203.	161.	188.
8151	199.	186.	196.	188.	189.	149.	188.
8152	189.	197.	199.	197.	196.	154.	192.
8153	200.	c	243.	227.	234.	187.	216.
8154	195.	196.	198.	201.	191.	153.	181.
8155	172.	187.	198.	200.	205.	169.	188.
8156	198.	207.	228.	214.	214.	189.	231.
8157	177.	166.	184.	200.	206.	173.	191.
8158	167.	175.	198.	197.	198.	158.	213.
8159	206.	208.	217.	214.	217.	175.	199.
8160	195.	188.	196.	198.	194.	161.	189.
8161	200.	215.	206.	200.	203.	167.	186.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Spilled feed precluded the calculation of this value.

000240

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 4): FEED CONSUMPTION VALUES - INDIVIDUAL DATA Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY			
8162	168.	175.	174.	176.	179.	152.	181.
8163	198.	208.	226.	212.	234.	183.	212.
8164	174.	180.	182.	180.	198.	150.	196.
8165	205.	205.	211.	212.	220.	183.	207.
8166	194.	193.	147.	219.	221.	169.	194.
8167	196.	198.	189.	238.	223.	177.	212.
8168	183.	173.	151.	194.	195.	151.	177.
8169	187.	175.	172.	220.	227.	182.	197.
8170	189.	197.	201.	213.	220.	185.	214.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000241

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 5): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY			
8171	155.	156.	162.	159.	156.	132.	153.
8172	218.	221.	228.	213.	217.	96.	177.
8173	190.	176.	186.	185.	186.	155.	160.
8174	176.	180.	191.	186.	197.	153.	183.
8175	168.	168.	168.	167.	c	159.	186.
8176	205.	214.	218.	205.	214.	182.	205.
8177	180.	174.	194.	191.	182.	162.	187.
8178	192.	196.	200.	192.	205.	154.	178.
8179	202.	208.	193.	202.	204.	160.	175.
8180	177.	188.	199.	194.	191.	163.	176.
8181	186.	170.	192.	184.	192.	160.	165.
8182	185.	195.	217.	207.	215.	180.	207.
8183	169.	180.	190.	183.	181.	150.	182.
8184	210.	214.	223.	222.	227.	171.	194.
8185	174.	161.	195.	201.	191.	174.	188.
8186	196.	191.	182.	171.	192.	144.	175.
8187	182.	193.	192.	197.	210.	160.	186.
8188	193.	192.	197.	206.	208.	164.	177.
8189	178.	181.	198.	191.	198.	164.	178.
8190	193.	193.	192.	188.	201.	158.	188.
8191	192.	187.	209.	202.	202.	172.	201.
8192	188.	189.	198.	195.	202.	159.	186.
8193	182.	190.	206.	194.	211.	184.	199.
8194	166.	177.	174.	184.	191.	159.	188.
8195	200.	192.	194.	192.	187.	160.	181.
8196	195.	205.	203.	198.	190.	178.	205.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Spilled feed precluded the calculation of this value.

000242

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 6): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY			
8197	193.	178.	192.	185.	195.	161.	170.
8198	181.	186.	185.	173.	198.	161.	175.
8199	180.	198.	204.	207.	209.	164.	208.
8200	198.	218.	227.	226.	234.	172.	216.
8201	180.	164.	135.	198.	180.	148.	177.
8202	227.	216.	162.	226.	245.	208.	217.
8203	183.	172.	162.	218.	207.	164.	183.
8204	177.	171.	167.	193.	192.	157.	179.
8205	187.	177.	195.	208.	220.	174.	204.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

CONFIDENTIAL

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 7): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY			
8206	152.	164.	166.	167.	167.	137.	166.
8207	191.	193.	196.	186.	186.	155.	188.
8208	184.	179.	194.	185.	c	153.	180.
8209	178.	172.	180.	178.	188.	155.	184.
8210	153.	163.	168.	167.	48.d	127.	146.
8211	200.	204.	207.	195.	182.	161.	180.
8212	196.	190.	197.	193.	201.	144.	185.
8213	171.	171.	176.	176.	178.	144.	178.
8214	173.	166.	176.	176.	182.	150.	174.
8215	217.	199.	185.	182.	211.	171.	189.
8216	187.	177.	187.	188.	185.	161.	202.
8217	185.	192.	197.	198.	192.	172.	185.
8218	167.	165.	186.	162.	173.	138.	153.
8219	191.	172.	193.	177.	201.	146.	190.
8220	189.	177.	190.	188.	197.	150.	170.
8221	190.	182.	184.	185.	193.	159.	183.
8222	183.	177.	186.	176.	188.	145.	149.
8223	200.	193.	189.	212.	228.	254.	203.
8224	197.	191.	b	154.	202.	189.	199.
8225	163.	183.	199.	195.	168.	167.	186.
8226	186.	179.	189.	188.	192.	161.	180.
8227	201.	193.	204.	196.	221.	181.	198.
8228	158.	157.	155.	163.	171.	134.	157.
8229	213.	210.	228.	219.	229.	176.	210.
8230	173.	181.	182.	183.	194.	158.	189.
8231	210.	194.	188.	197.	205.	157.	160.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Wet feed preclueed the calculation of this value.
d. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

000244

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 8): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY			
8232	157.	205.	194.	198.	227.	183.	194.
8233	204.	193.	199.	193.	201.	156.	169.
8234	174.	173.	188.	185.	167.	163.	185.
8235	198.	163.	210.	213.	212.	161.	183.
8236	174.	166.	125.	217.	203.	148.	182.
8237	202.	201.	156.	223.	231.	185.	207.
8238	183.	181.	148.	200.	184.	149.	167.
8239	177.	170.	161.	172.	175.	143.	169.
8240	195.	177.	185.	197.	196.	161.	184.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 9): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY			
8241	173.	168.	158.	189.	138.	117.	142.
8242	236.	220.	227.	210.	207.	170.	199.
8243	202.	198.	198.	190.	c	155.	177.
8244	177.	181.	180.	182.	179.	142.	169.
8245	160.	170.	176.	166.	168.	138.	157.
8246	194.	181.	197.	200.	209.	154.	177.
8247	183.	171.	166.	151.	147.	128.	150.
8248	185.	176.	194.	166.	179.	149.	135.
8249	161.	153.	158.	150.	153.	122.	141.
8250	188.	181.	183.	182.	188.	140.	170.
8251	186.	189.	199.	185.	172.	148.	163.
8252	187.	171.	178.	205.	195.	162.	160.
8253	167.	164.	175.	167.	184.	127.	155.
8254	190.	184.	188.	186.	189.	147.	167.
8255	182.	178.	191.	177.	191.	137.	175.
8256	188.	174.	187.	173.	181.	132.	164.
8257	166.	162.	154.	158.	156.	125.	149.
8258	208.	196.	201.	184.	185.	140.	176.
8259	179.	174.	186.	176.	172.	144.	148.
8260	193.	178.	186.	181.	192.	152.	162.
8261	182.	165.	181.	153.	169.	144.	154.
8262	179.	160.	176.	166.	164.	129.	157.
8263	190.	186.	213.	204.	201.	164.	186.
8264	219.	202.	204.	200.	171.	149.	204.
8265	178.	162.	115.	180.	157.	140.	141.
8266	182.	181.	138.	188.	177.	144.	169.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.
c. Wet feed precluded the calculation of this value.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B12 (PAGE 10): FEED CONSUMPTION VALUES - INDIVIDUAL DATA Fo GENERATION MALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a	56b- 63
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY			
8267	172.	173.	130.	184.	165.	136.	156.
8268	215.	223.	189.	219.	203.	160.	185.
8269	171.	164.	173.	184.	183.	147.	162.
8270	190.	194.	166.	204.	201.	155.	174.
8271	207.	199.	153.	208.	202.	160.	182.
8272	196.	190.	149.	201.	188.	156.	192.
8273	192.	194.	148.	194.	175.	153.	158.
8274	198.	189.	187.	199.	184.	157.	172.
8275	189.	186.	151.	205.	184.	151.	176.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. First value recorded after cohabitation.

000247

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 1): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8101	2	M	C	P(8801)
8102	1	M	C	P(8802)
8103	2	M	C	P(8803)
8104	3	M	C	P(8804)
8105	7	M	C	P(8805)
8106	1	M	C	P(8806)
8107	2	M	C	P(8807)
8108	2	M	C	P(8808)
8109	1	M	C	P(8809)
8110a	1	M	C	P(8810)
8110b	7	DID NOT MATE	-	-(8812)
8111	4	M	C	P(8811)
8112	7	M	NC	P(8812)
8113	3	M	C	P(8813)
8114	3	M	C	P(8814)
8115	1	M	C	P(8815)
8116	1	M	C	P(8816)
8117	7	M	C	NP(8817)
8118	3	M	C	NP(8818)
8119	3	M	C	P(8819)
8120	1	M	C	P(8820)
8121	2	M	C	P(8821)
8122	1	M	C	P(8822)
8123	4	M	C	P(8823)
8124	4	M	C	P(8824)
8125	1	M	C	P(8825)
8126	4	M	C	P(8826)
8127	7	M	C	P(8827)
8128	2	M	C	P(8828)
8129	1	M	C	P(8829)
8130	3	M	C	P(8830)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 2): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8131	4	M	C	P(8831)
8132	3	M	C	P(8832)
8133	1	M	C	P(8833)
8134	4	M	C	P(8834)
8135	4	M	C	P(8835)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT

000249

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 3): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8136	1	M	C	P(8836)
8137	1	M	C	P(8837)
8138	3	M	C	P(8838)
8139	1	M	C	P(8839)
8140	3	M	C	P(8840)
8141	5	M	C	P(8841)
8142	2	M	C	P(8842)
8143	1	M	C	P(8843)
8144	1	M	C	P(8844)
8145	3	M	C	P(8845)
8146	3	M	C	P(8846)
8147	3	M	C	P(8847)
8148	1	M	C	P(8848)
8149	4	M	C	P(8849)
8150	1	M	C	NP(8850)
8151	4	M	C	P(8851)
8152	4	M	C	P(8852)
8153	3	M	C	P(8853)
8154	4	M	C	P(8854)
8155	4	M	C	P(8855)
8156	1	M	C	NP(8856)
8157	4	M	C	P(8857)
8158	4	M	C	P(8858)
8159	1	M	C	P(8859)
8160	4	M	C	P(8860)
8161	1	M	C	NP(8861)
8162	3	M	C	P(8862)
8163	3	M	C	P(8863)
8164	1	M	C	P(8864)
8165	4	M	C	P(8865)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT

000250

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 4): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8166	2	M	C	P(8866)
8167	3	M	C	P(8867)
8168	3	M	C	P(8868)
8169	4	M	C	P(8869)
8170	1	M	C	P(8870)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT

000251

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 5): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8171	7	DID NOT MATE	-	-(8871)
8172	1	M	C	P(8872)
8173	1	M	C	P(8873)
8174	3	M	C	P(8874)
8175	4	M	C	P(8875)
8176	4	M	C	P(8876)
8177	1	M	C	P(8877)
8178	1	M	C	NP(8878)
8179	1	M	C	NP(8879)
8180a	1	M	C	P(8880)
8180b	7	M	C	P(8889)
8181	4	M	C	P(8881)
8182	4	M	C	P(8882)
8183	1	M	C	NP(8883)
8184	1	M	C	P(8884)
8185	4	M	C	P(8885)
8186	1	M	C	NP(8886)
8187	1	M	C	P(8887)
8188	1	M	C	P(8888)
8189	7	DID NOT MATE	-	-(8889)
8190	1	M	C	P(8890)
8191	4	M	C	P(8891)
8192	5	M	C	P(8892)
8193	1	M	C	P(8893)
8194	1	M	C	P(8894)
8195	1	M	C	P(8895)
8196	4	M	C	P(8896)
8197	4	M	C	P(8897)
8198	3	M	C	P(8898)
8199	4	M	C	P(8899)
8200a	4	M	C	P(8900)
8200b	7	DID NOT MATE	-	-(8871)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 6): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8201	4	M	C	P(8901)
8202	1	M	C	P(8902)
8203	1	M	C	NP(8903)
8204	1	M	C	NP(8904)
8205	1	M	C	P(8905)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT

002253

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 7): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8206	7	M	NC	P(8906)
8207a	1	M	C	NP(8907)
8207b	7	DID NOT MATE	-	-(8930)
8208a	1	M	C	P(8908)
8208b	7	DID NOT MATE	-	-(8906)
8209	4	M	C	P(8909)
8210	1	M	C	P(8910)
8211	1	M	C	P(8911)
8212	1	M	C	P(8912)
8213a	4	M	C	P(8913)
8213b	7	DID NOT MATE	-	-(8939)
8214	3	M	C	NP(8914)
8215	1	M	C	P(8915)
8216	1	M	C	P(8916)
8217	1	M	C	P(8917)
8218	4	M	C	NP(8918)
8219	3	M	C	P(8919)
8220	4	M	C	P(8920)
8221	2	M	C	P(8921)
8222	1	M	C	P(8922)
8223	3	M	C	NP(8923)
8224	1	M	C	P(8924)
8225	1	M	C	P(8925)
8226	3	M	C	P(8926)
8227	1	M	C	P(8927)
8228	3	M	C	P(8928)
8229	3	M	C	P(8929)
8230	7	M	NC	P(8930)
8231	4	M	C	P(8931)
8232	1	M	C	P(8932)
8233	2	M	C	NP(8933)
8234	2	M	C	P(8934)
8235	3	M	C	P(8935)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

000254

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 8): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8236	3	M	C	P(8936)
8237	1	M	C	P(8937)
8238a				
8239	7	M	NC	P(8939)
8240	2	M	C	P(8940)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Rat 8238 was not assigned to cohabitation because there were no available female rats.

000255

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 9): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP V 3.2 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8241	1	M	C	P(8941)
8242	7	DID NOT MATE	-	-(8942)
8243a	4	M	C	P(8943)
8243b	7	M	C	P(8959)
8244	4	M	C	P(8944)
8245	2	M	C	NP(8945)
8246	7	DID NOT MATE	-	-(8946)
8247	1	M	C	P(8947)
8248	1	M	C	P(8948)
8249	3	M	C	P(8949)
8250	4	M	C	P(8950)
8251	1	M	C	P(8951)
8252	2	M	C	NP(8952)
8253	1	M	C	P(8953)
8254	1	M	C	P(8954)
8255	2	M	C	P(8955)
8256	3	M	C	P(8956)
8257	4	M	C	NP(8957)
8258	1	M	C	P(8958)
8259	7	DID NOT MATE	-	-(8959)
8260	5	M	C	P(8960)
8261	4	M	C	P(8961)
8262	2	M	C	P(8962)
8263	1	M	C	NP(8963)
8264	3	M	C	P(8964)
8265	1	M	C	P(8965)
8266	1	M	C	P(8966)
8267	2	M	C	P(8967)
8268	4	M	C	P(8968)
8269	2	M	C	P(8969)
8270	3	M	C	P(8970)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

000256

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B13 (PAGE 10): MATING AND FERTILITY - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP V 3.2 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
8271	1	M	C	P(8971)
8272a	1	M	C	NP(8972)
8272b	5	M	C	P(8946)
8273	2	M	C	P(8973)
8274	3	M	C	P(8974)
8275a	4	M	C	P(8975)
8275b	6	M	C	P(8942)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED NC = NOT CONFIRMED
P = PREGNANT P = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

002257

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
I 0 (VEHICLE)	8101	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8102	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8103	DS 67	66	PROSTATE: SMALL. ALL OTHER TISSUES APPEARED NORMAL.
	8104	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8105	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8106	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8107	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8108	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8109	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8110	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8111	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8112	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8113	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8114	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8115	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8116	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8117	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8118	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8119	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8120	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8121	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8122	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8123	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8124	DS 67	66	LIVER: LARGE (49.71 G). KIDNEYS: BILATERAL, LARGE (LEFT = 4.37 G; RIGHT = 4.38 G). SPLEEN: LARGE (2.54 G). ALL OTHER TISSUES APPEARED NORMAL.
	8125	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8126	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8127	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8128	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8129	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

000358

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
I (Cont.) 0 (VEHICLE)	8130	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8131	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8132	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8133	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8134	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8135	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

000259

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
II				
0.1	8136	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8137	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8138	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8139	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8140	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8141	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8142	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8143	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8144	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8145	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8146	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8147	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8148	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8149	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8150	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8151	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8152	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8153	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8154	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8155	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8156	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8157	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8158	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8159	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8160	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8161	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8162	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8163	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8164	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8165	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8166	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8167	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8168	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8169	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8170	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

000260

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
III				
0.4	8171	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8172	DS 67	66	KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	8173	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8174	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8175	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8176	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8177	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8178	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8179	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8180	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8181	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8182	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8183	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8184	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8185	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8186	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8187	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8188	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8189	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8190	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8191	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8192	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8193	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8194	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8195	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8196	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8197	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8198	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8199	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8200	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8201	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8202	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8203	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8204	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8205	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
IV				
1.6	8206	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8207	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8208	DS 67	66	LIVER: PAPILLARY PROCESS, CONSTRICTED AND NUMEROUS TAN RAISED AREAS, (PINPOINT). ALL OTHER TISSUES APPEARED NORMAL.
	8209	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8210	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8211	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8212	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8213	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8214	DS 67	66	TESTES: BILATERAL, SMALL, PURPLE AND FLACCID. ALL OTHER TISSUES APPEARED NORMAL.
	8215	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8216	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8217	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8218	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8219	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8220	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8221	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8222	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8223	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8224	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8225	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8226	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8227	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8228	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8229	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8230	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8231	DS 67	66	LIVER: LARGE (28.83 G), ROUGH SURFACE. KIDNEYS: BILATERAL, LARGE (LEFT: 4.23 G; RIGHT: 4.22 G), PARENCHYMA, MULTIPLE PALE, FLUID-FILLED CYSTS (PINPOINT TO 0.1 CM IN DIAMETER). ALL OTHER TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

0003682

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
IV (Cont.)				
1.6	8232	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8233	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8234	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8235	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8236	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8237	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8238	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8239	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8240	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

600263

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 7): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
V 3.2	8241	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8242	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8243	DS 67	66	PROSTATE: SMALL. ALL OTHER TISSUES APPEARED NORMAL.
	8244	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8245	DS 67	66	TESTES: BILATERAL, SMALL AND FLACCID. LIVER: ALL LOBES, BROWN. ALL OTHER TISSUES APPEARED NORMAL.
	8246	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8247	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8248	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8249	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8250	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8251	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8252	DS 67	66	TESTES: BILATERAL, SMALL AND FLACCID. ALL OTHER TISSUES APPEARED NORMAL.
	8253	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8254	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8255	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8256	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8257	DS 67	66	EYES: LEFT, LENS OPAQUE. b TESTES: BILATERAL, SMALL, PURPLE AND FLACCID. ALL OTHER TISSUES APPEARED NORMAL.
	8258	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8259	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8260	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8261	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8262	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8263	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

b. Confirms a clinical observation (corneal opacity).

CONFIDENTIAL

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B14 (PAGE 8): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
V (Cont.)				
3.2	8264	DS 67	66	LIVER: LIGHT BROWN. ALL OTHER TISSUES APPEARED NORMAL.
	8265	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8266	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8267	DS 67	66	LIVER: DISCOLORED BROWN. ALL OTHER TISSUES APPEARED NORMAL.
	8268	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8269	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8270	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8271	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8272	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8273	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8274	DS 67	66	ALL TISSUES APPEARED NORMAL.
	8275	DS 67	66	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B10) for external observations confirmed at necropsy.

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY											
8101	428.	0.67	0.16	1.47	0.34	2.00	0.47	1.17	0.27	0.69	0.16	1.54	0.36
8102	664.	0.82	0.12	1.79	0.27	2.11	0.32	0.73	0.11	0.85	0.13	1.88	0.28
8103	563.	0.72	0.13	1.55	0.28	1.83	0.32	0.82	0.14	0.71	0.13	1.59	0.28
8104	492.	0.69	0.14	1.54	0.31	1.53	0.31	0.79	0.16	0.71	0.14	1.59	0.32
8105	502.	0.58	0.12	1.49	0.30	1.86	0.37	0.86	0.17	0.63	0.12	1.53	0.30
8106	674.	0.64	0.09	1.85	0.27	2.96	0.44	1.44	0.21	0.60	0.09	2.04	0.30
8107	526.	0.75	0.14	1.67	0.32	2.51	0.48	1.17	0.22	0.76	0.14	1.68	0.32
8108	499.	0.52	0.10	1.65	0.33	1.90	0.38	1.01	0.20	0.59	0.12	1.76	0.35
8109	490.	0.68	0.14	1.73	0.35	2.22	0.45	1.21	0.25	0.70	0.14	1.72	0.35
8110	588.	0.61	0.10	1.69	0.29	1.85	0.31	0.50	0.08	0.61	0.10	1.67	0.28
8111	538.	0.58	0.11	1.63	0.30	1.69	0.31	0.82	0.15	0.57	0.10	1.62	0.30
8112	535.	0.73	0.14	1.78	0.33	2.23	0.42	0.70	0.13	0.80	0.15	1.84	0.34
8113	478.	0.74	0.15	1.61	0.34	2.25	0.47	1.12	0.23	0.76	0.16	1.66	0.35
8114	544.	0.66	0.12	1.81	0.33	2.13a	0.39a	1.47	0.27	0.70	0.13	1.80	0.33
8115	508.	0.73	0.14	1.63	0.32	2.02	0.40	0.94	0.18	0.76	0.15	1.65	0.32
8116	565.	0.69	0.12	1.79	0.32	1.81	0.32	0.97	0.17	0.73	0.13	1.84	0.32
8117	506.	0.75	0.15	1.96	0.39	1.67a	0.33a	1.26	0.25	0.79	0.16	1.97	0.39
8118	606.	0.67	0.11	1.65	0.27	2.16	0.36	1.14	0.19	0.72	0.12	1.65	0.27
8119	530.	0.75	0.14	1.98	0.37	2.39	0.45	1.09	0.20	0.78	0.15	2.05	0.39
8120	556.	0.64	0.12	1.58	0.28	2.02	0.36	1.11	0.20	0.63	0.11	1.53	0.28
8121	486.	0.68	0.14	1.83	0.38	2.07	0.42	0.83	0.17	0.68	0.14	1.74	0.36
8122	551.	0.76	0.14	1.95	0.35	2.37	0.43	1.14	0.21	0.63	0.11	2.00	0.36
8123	549.	0.81	0.15	1.77	0.32	2.03	0.37	0.73	0.13	0.77	0.14	1.73	0.32
8124	562.	0.85	0.15	1.98	0.35	2.99	0.53	1.54	0.27	0.90	0.16	2.01	0.36
8125	521.	0.81	0.16	1.97	0.38	2.09	0.40	0.98	0.19	0.80	0.15	1.97	0.38
8126	573.	0.78	0.14	1.90	0.33	2.15	0.38	0.87	0.15	0.76	0.13	1.89	0.33
8127	554.	0.84	0.15	1.80	0.32	2.04	0.37	1.03	0.18	0.75	0.14	1.76	0.32
8128	631.	0.75	0.12	1.83	0.29	2.17	0.34	1.00	0.16	0.80	0.13	1.75	0.28
8129	543.	0.67	0.12	1.83	0.34	2.09	0.38	1.11	0.20	0.77	0.14	1.85	0.34
8130	572.	0.67	0.12	1.66	0.29	2.13	0.37	0.89	0.16	0.73	0.13	1.57	0.27

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

000266

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY											
8131	524.	0.73	0.14	1.74	0.33	1.74	0.33	0.68	0.13	0.72	0.14	1.69	0.32
8132	542.	0.63	0.12	1.00	0.18	2.21	0.41	1.08	0.20	0.70	0.13	1.58	0.29
8133	450.	0.73	0.16	1.81	0.40	1.59	0.35	0.81	0.18	0.73	0.16	1.78	0.40
8134	582.	0.59	0.10	1.57	0.27	1.35	0.23	0.72	0.12	0.62	0.11	1.53	0.26
8135	558.	0.74	0.13	1.89	0.34	1.96	0.35	1.01	0.18	0.82	0.15	1.89	0.34

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

002267

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 3): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY	
8101	428.	0.67	0.16
8102	664.	1.37	0.21
8103	563.	0.44a	0.08a
8104	492.	0.96	0.20
8105	502.	1.19	0.24
8106	674.	1.00	0.15
8107	526.	0.85	0.16
8108	499.	0.62	0.12
8109	490.	1.16	0.24
8110	588.	1.22	0.21
8111	538.	1.34	0.25
8112	535.	0.93	0.17
8113	478.	1.47	0.31
8114	544.	0.81	0.15
8115	508.	1.24	0.24
8116	565.	1.15	0.20
8117	506.	1.62	0.32
8118	606.	1.10	0.18
8119	530.	1.60	0.30
8120	556.	0.90	0.16
8121	486.	1.31	0.27
8122	551.	1.09	0.20
8123	549.	1.00	0.18
8124	562.	0.94	0.17
8125	521.	1.23	0.24
8126	573.	1.68	0.29
8127	554.	1.47	0.26
8128	631.	0.95	0.15
8129	543.	1.39	0.26
8130	572.	1.40	0.24

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 8103 had a small prostate; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table B14).

8926000

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 4): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY	
8131	524.	1.60a	0.30a
8132	542.	1.21	0.22
8133	450.	1.24	0.28
8134	582.	1.19	0.20
8135	558.	1.13	0.20

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight not affected).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 5): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY											
8136	415.	0.58	0.14	1.43	0.34	1.63	0.39	0.59	0.14	0.59	0.14	1.48	0.36
8137	617.	0.75	0.12	1.91	0.31	2.38	0.38	1.24	0.20	0.73	0.12	1.92	0.31
8138	524.	0.70	0.13	1.69	0.32	1.31	0.25	0.78	0.15	0.80	0.15	1.63	0.31
8139	503.	0.72	0.14	2.04	0.40	2.22	0.44	0.95	0.19	0.75	0.15	1.99	0.40
8140	502.	0.75	0.15	1.69	0.34	2.19	0.44	0.73	0.14	0.72	0.14	1.63	0.32
8141	610.	0.90	0.15	1.95	0.32	2.71	0.44	1.17	0.19	0.85	0.14	2.01	0.33
8142	498.	0.65	0.13	1.72	0.34	1.99	0.40	0.99	0.20	0.71	0.14	1.79	0.36
8143	538.	0.84	0.16	1.96	0.36	1.80	0.33	0.79	0.15	0.81	0.15	1.94	0.36
8144	455.	0.70	0.15	1.72	0.38	2.13	0.47	0.81	0.18	0.77	0.17	1.77	0.39
8145	528.	0.56	0.11	1.78	0.34	1.92	0.36	1.07	0.20	0.57	0.11	1.84	0.35
8146	562.	0.77	0.14	1.82	0.32	2.34	0.42	1.19	0.21	0.80	0.14	1.72	0.31
8147	540.	0.70	0.13	1.70	0.31	2.24	0.41	1.22	0.22	0.73	0.14	1.75	0.32
8148	480.	0.64	0.13	1.68	0.35	2.10	0.44	0.86	0.18	0.67	0.14	1.62	0.34
8149	561.	0.60	0.11	1.54	0.27	2.36	0.42	1.25	0.22	0.72	0.13	1.56	0.28
8150	546.	0.68	0.12	1.57	0.29	2.00	0.37	1.15	0.21	0.72	0.13	1.56	0.28
8151	525.	0.76	0.14	1.98	0.38	2.36	0.45	1.31	0.25	0.75	0.14	2.06	0.39
8152	547.	0.62	0.11	1.54	0.28	2.25	0.41	1.14	0.21	0.62	0.11	1.50	0.27
8153	615.	0.62	0.10	1.70	0.28	2.24	0.36	0.94	0.15	0.71	0.12	1.71	0.28
8154	535.	0.84	0.16	1.88	0.35	2.33	0.44	1.01	0.19	0.83	0.16	1.93	0.36
8155	529.	0.60	0.11	1.78	0.34	2.16	0.41	1.35	0.26	0.60	0.11	1.74	0.33
8156	663.	0.74	0.11	1.81	0.27	2.34	0.35	0.81	0.12	0.71	0.11	1.79	0.27
8157	532.	0.76	0.14	1.75	0.33	1.87	0.35	1.01	0.19	0.78	0.15	1.80	0.34
8158	519.	0.76	0.15	1.76	0.34	2.05	0.39	1.12	0.22	0.73	0.14	1.78	0.34
8159	539.	0.83	0.15	1.61	0.30	1.60	0.30	0.73	0.14	0.79	0.15	1.64	0.30
8160	493.	0.72	0.15	1.76	0.36	2.14	0.43	0.97	0.20	0.78	0.16	1.81	0.37
8161	533.	0.69	0.13	1.83	0.34	2.12	0.40	1.08	0.20	0.64	0.12	1.52	0.28
8162	494.	0.80	0.16	1.87	0.38	1.67	0.34	0.82	0.16	0.76	0.15	1.97	0.40
8163	582.	0.74	0.13	1.69	0.29	2.94	0.50	1.38	0.24	0.67	0.12	1.65	0.28
8164	536.	0.73	0.14	1.73	0.32	1.78	0.33	0.81	0.15	0.75	0.14	1.72	0.32
8165	576.	0.74	0.13	1.76	0.30	2.03	0.35	1.04	0.18	0.83	0.14	1.74	0.30

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

007270

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 6): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY											
8166	539.	0.80	0.15	1.67	0.31	2.30	0.43	1.29	0.24	0.81	0.15	1.68	0.31
8167	578.	0.79	0.14	1.99	0.34	2.61	0.45	1.28	0.22	0.85	0.15	1.94	0.34
8168	500.	0.66	0.13	1.70	0.34	2.01	0.40	0.67	0.13	0.73	0.15	1.74	0.35
8169	538.	0.70	0.13	1.67	0.31	1.78	0.33	0.88	0.16	0.75	0.14	1.66	0.31
8170	624.	0.71	0.11	1.88	0.30	1.90	0.30	0.88	0.14	0.75	0.12	1.83	0.29

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000271

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 7): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY	
8136	415.	1.17	0.28
8137	617.	0.94	0.15
8138	524.	1.06	0.20
8139	503.	1.35	0.27
8140	502.	1.27	0.25
8141	610.	1.47	0.24
8142	498.	1.27	0.26
8143	538.	1.10	0.20
8144	455.	0.97	0.21
8145	528.	0.73	0.14
8146	562.	1.37	0.24
8147	540.	1.45	0.27
8148	480.	1.45	0.30
8149	561.	0.84	0.15
8150	546.	1.31	0.24
8151	525.	1.23	0.23
8152	547.	1.54	0.28
8153	615.	0.74	0.12
8154	535.	1.29	0.24
8155	529.	1.50	0.28
8156	663.	1.19	0.18
8157	532.	1.31	0.25
8158	519.	0.85	0.16
8159	539.	1.61	0.30
8160	493.	1.33	0.27
8161	533.	1.74	0.33
8162	494.	1.28	0.26
8163	582.	1.00	0.17
8164	536.	1.64	0.30
8165	576.	1.56	0.27

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

24256C

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 8): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY	
8166	539.	1.33	0.25
8167	578.	1.77	0.31
8168	500.	1.79	0.36
8169	538.	1.04	0.19
8170	624.	1.30	0.21

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000273

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 9): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY											
8171	426.	0.80	0.19	1.73	0.41	1.71	0.40	0.73	0.17	0.77	0.18	1.65	0.39
8172	596.	0.73	0.12	1.75	0.29	1.86	0.31	1.09	0.18	0.80	0.13	1.80	0.30
8173	492.	0.63	0.13	1.86	0.38	2.10	0.43	1.03	0.21	0.69	0.14	1.99	0.40
8174	526.	0.78	0.15	1.99	0.38	2.39	0.45	0.94	0.18	0.81	0.15	2.02	0.38
8175	481.	0.72	0.15	1.69	0.35	2.22	0.46	1.04	0.22	0.77	0.16	1.66	0.34
8176	581.	0.71	0.12	1.79	0.31	1.86	0.32	0.91	0.16	0.71	0.12	1.87	0.32
8177	535.	0.71	0.13	1.88	0.35	1.66	0.31	0.80	0.15	0.75	0.14	1.88	0.35
8178	530.	0.74	0.14	1.90	0.36	1.50	0.28	0.77	0.14	0.71	0.13	1.89	0.36
8179	486.	0.61	0.12	1.57	0.32	1.20	0.25	0.60a	0.12a	0.59	0.12	1.53	0.31
8180	545.	0.69	0.13	1.58	0.29	2.24	0.41	1.11	0.20	0.72	0.13	1.51	0.28
8181	483.	0.72	0.15	1.67	0.34	1.40	0.29	0.79	0.16	0.64	0.13	1.61	0.33
8182	538.	0.76	0.14	1.60	0.30	1.95	0.36	1.05	0.20	0.72	0.13	1.63	0.30
8183	471.	0.63	0.13	1.55	0.33	2.02	0.43	1.00	0.21	0.68	0.14	1.52	0.32
8184	606.	0.79	0.13	1.92	0.32	1.82b	0.30b	1.01	0.17	0.74	0.12	1.84	0.30
8185	460.	0.66	0.14	1.73	0.38	1.83	0.40	0.84	0.18	0.67	0.14	1.72	0.37
8186	492.	0.79a	0.16a	1.97	0.40	2.40	0.49	1.23	0.25	0.80	0.16	1.86	0.38
8187	512.	0.65	0.13	1.46	0.28	2.21	0.43	1.24	0.24	0.81	0.16	1.51	0.29
8188	535.	0.64	0.12	1.39	0.26	1.91	0.36	0.70	0.13	0.66	0.12	1.42	0.26
8189	489.	0.67	0.14	1.87	0.38	1.92	0.39	0.80	0.16	0.68	0.14	1.73	0.35
8190	525.	0.64	0.12	1.80	0.34	2.16	0.41	1.25	0.24	0.70	0.13	1.81	0.34
8191	518.	0.70	0.14	1.78	0.34	1.98	0.38	0.89	0.17	0.74	0.14	1.77	0.34
8192	533.	0.76	0.14	1.83	0.34	2.44	0.46	1.13	0.21	0.83	0.16	1.79	0.34
8193	557.	0.73	0.13	1.77	0.32	2.19	0.39	0.91	0.16	0.79	0.14	1.68	0.30
8194	544.	0.55	0.10	1.49	0.27	2.08	0.38	0.77	0.14	0.61	0.11	1.61	0.30
8195	500.	0.68	0.14	1.74	0.35	1.81	0.36	1.07	0.21	0.68	0.14	1.74	0.35
8196	585.	0.69	0.12	1.75	0.30	1.68	0.29	0.82	0.14	0.75	0.13	1.83	0.31
8197	507.	0.70	0.14	1.63	0.32	2.21	0.44	1.00	0.20	0.72	0.14	1.67	0.33
8198	512.	0.64	0.12	1.57	0.31	2.34	0.46	1.09	0.21	0.66	0.13	1.40	0.27
8199	553.	0.77	0.14	1.83	0.33	1.98	0.36	1.02	0.18	0.79	0.14	1.85	0.33
8200	590.	0.76	0.13	1.82	0.31	2.70	0.46	1.37	0.23	0.76	0.13	1.81	0.31

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Damaged during processing (weight not affected).

b. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 10): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY											
8201	472.	0.65	0.14	1.49	0.32	2.27	0.48	0.98	0.21	0.61	0.13	1.45	0.31
8202	605.	0.61	0.10	1.77	0.29	1.52	0.25	0.73	0.12	0.68	0.11	1.82	0.30
8203	498.	0.70	0.14	1.64	0.33	1.85	0.37	1.00	0.20	0.68	0.14	1.63	0.33
8204	494.	0.68	0.14	1.92	0.39	1.46	0.30	0.73	0.15	0.70	0.14	1.90	0.38
8205	515.	0.71	0.14	1.56	0.30	1.82	0.35	0.84	0.16	0.79	0.15	1.62	0.31

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 11): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY	
8171	426.	1.01	0.24
8172	596.	0.56	0.09
8173	492.	1.57	0.32
8174	526.	1.74	0.33
8175	481.	0.69	0.14
8176	581.	0.59	0.10
8177	535.	1.40	0.26
8178	530.	0.97	0.18
8179	486.	0.90	0.18
8180	545.	1.01	0.18
8181	483.	0.99	0.20
8182	538.	1.44	0.27
8183	471.	0.56	0.12
8184	606.	1.14	0.19
8185	460.	1.30	0.28
8186	492.	0.86	0.17
8187	512.	1.24	0.24
8188	535.	1.24	0.23
8189	489.	1.50	0.31
8190	525.	1.31	0.25
8191	518.	1.43	0.28
8192	533.	1.27	0.24
8193	557.	1.41	0.25
8194	544.	1.27	0.23
8195	500.	1.27	0.25
8196	585.	1.52	0.26
8197	507.	1.35	0.27
8198	512.	1.38	0.27
8199	553.	1.48	0.27
8200	590.	0.69	0.12

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

00276

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 12): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY	
8201	472.	1.20	0.25
8202	605.	1.07	0.18
8203	498.	0.65	0.13
8204	494.	1.10	0.22
8205	515.	1.11	0.22

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

00277

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 13): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP IV		1.6 MG/KG/DAY											
8206	442.	0.71	0.16	1.74	0.39	2.18	0.49	0.96	0.22	0.69	0.16	1.74	0.39
8207	572.	0.69	0.12	1.77	0.31	1.42	0.25	0.78	0.14	0.75	0.13	1.85	0.32
8208	519.	0.70	0.13	1.68	0.32	2.42	0.47	1.12	0.22	0.71	0.14	1.67	0.32
8209	540.	0.76	0.14	1.85	0.34	1.66	0.31	0.82	0.15	0.77	0.14	1.90	0.35
8210	459.	0.64	0.14	1.68	0.37	1.76a	0.38a	1.00	0.22	0.68	0.15	1.78	0.39
8211	540.	0.80	0.15	1.68	0.31	1.89	0.35	0.62	0.11	0.82	0.15	1.70	0.31
8212	502.	0.70	0.14	1.74	0.35	2.16	0.43	1.00	0.20	0.70	0.14	1.76	0.35
8213	503.	0.67	0.13	1.78	0.35	2.65	0.53	1.18	0.23	0.81	0.16	1.79	0.36
8214	496.	0.45	0.09	0.80b	0.16b	2.51	0.51	1.32	0.27	0.45	0.09	0.72b	0.14b
8215	548.	0.68	0.12	1.81	0.33	1.90	0.35	1.03	0.19	0.71	0.13	1.88	0.34
8216	546.	0.75	0.14	1.66	0.30	2.08	0.38	1.03	0.19	0.71	0.13	1.65	0.30
8217	537.	0.70	0.13	1.63	0.30	1.96	0.36	1.05	0.20	0.71	0.13	1.64	0.30
8218	460.	0.65	0.14	1.29	0.28	2.32	0.50	0.96	0.21	0.62	0.13	1.26	0.27
8219	533.	0.64	0.12	1.83	0.34	2.51	0.47	1.19	0.22	0.64	0.12	1.73	0.32
8220	508.	0.68	0.13	1.91	0.38	1.89	0.37	0.91	0.18	0.65	0.13	1.83	0.36
8221	533.	0.80	0.15	1.77	0.33	2.34	0.44	0.77	0.14	0.71	0.13	1.79	0.34
8222	477.	0.63	0.13	1.48	0.31	1.81	0.38	0.79	0.16	0.69	0.14	1.50	0.31
8223	588.	0.77	0.13	1.92	0.33	2.73	0.46	1.44	0.24	0.78	0.13	1.95	0.33
8224	494.	0.64	0.13	1.81	0.37	1.94	0.39	0.94	0.19	0.65	0.13	1.88	0.38
8225	537.	0.72	0.13	1.83	0.34	2.23	0.42	1.12	0.21	0.79	0.15	1.79	0.33
8226	503.	0.79	0.16	1.87	0.37	2.05	0.41	1.04	0.21	0.75	0.15	1.84	0.36
8227	563.	0.73	0.13	1.70	0.30	1.53	0.27	0.82	0.14	0.79	0.14	1.63	0.29
8228	418.	0.66	0.16	1.76	0.42	1.83	0.44	0.95	0.23	0.64	0.15	1.72	0.41
8229	540.	0.71	0.13	1.75	0.32	1.87	0.35	0.90	0.17	0.64	0.12	1.69	0.31
8230	492.	0.77	0.16	1.75	0.36	1.96	0.40	1.04	0.21	0.78	0.16	1.75	0.36
8231	519.	0.75	0.14	2.00	0.38	2.00	0.38	0.85	0.16	0.81	0.16	2.06	0.40
8232	500.	0.73	0.15	1.79	0.36	2.16	0.43	0.98	0.20	0.73	0.15	1.88	0.38
8233	523.	0.64	0.12	1.64	0.31	1.85	0.35	0.95	0.18	0.64	0.12	1.67	0.32
8234	520.	0.62	0.12	1.74	0.33	1.71c	0.33c	1.07	0.20	0.63	0.12	1.62	0.31
8235	541.	0.80	0.15	1.76	0.32	1.97	0.36	0.97	0.18	0.85	0.16	1.94	0.36

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Damaged during processing (weight not affected).

b. Rat 8214 had small, purple and flaccid testes; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table B14).

c. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

8/2/00

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 14): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP IV		1.6 MG/KG/DAY											
8236	489.	0.68	0.14	1.75	0.36	1.94	0.40	1.18	0.24	0.70	0.14	1.73	0.35
8237	596.	0.70	0.12	1.77	0.30	2.47	0.41	1.22	0.20	0.68	0.11	1.72	0.29
8238	460.	0.85	0.18	1.76	0.38	1.34	0.29	0.76	0.16	0.72	0.16	1.81	0.39
8239	455.	0.63	0.14	1.60	0.35	1.40	0.31	0.98	0.22	0.60	0.13	1.58	0.35
8240	495.	0.66	0.13	1.65	0.33	1.68	0.34	0.74	0.15	0.66	0.13	1.62	0.33

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000279

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 15): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP IV		1.6 MG/KG/DAY	
8206	442.	1.07	0.24
8207	572.	1.38	0.24
8208	519.	1.04	0.20
8209	540.	1.36	0.25
8210	459.	0.93	0.20
8211	540.	1.43	0.26
8212	502.	1.39	0.28
8213	503.	1.51	0.30
8214	496.	0.66	0.13
8215	548.	0.84	0.15
8216	546.	1.59	0.29
8217	537.	0.95	0.18
8218	460.	0.98	0.21
8219	533.	0.66	0.12
8220	508.	1.16	0.23
8221	533.	0.81	0.15
8222	477.	1.02	0.21
8223	588.	1.38	0.23
8224	494.	1.56	0.32
8225	537.	0.89	0.16
8226	503.	0.87	0.17
8227	563.	1.00	0.18
8228	418.	0.80	0.19
8229	540.	1.06	0.20
8230	492.	1.17	0.24
8231	519.	1.13	0.22
8232	500.	1.58	0.32
8233	523.	1.22	0.23
8234	520.	1.07	0.20
8235	541.	1.61	0.30

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000250

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 16): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP IV		1.6 MG/KG/DAY	
8236	489.	0.76	0.16
8237	596.	1.60	0.27
8238	460.	1.22	0.26
8239	455.	0.62	0.14
8240	495.	1.17	0.24

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000231

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 17): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP V		3.2 MG/KG/DAY											
8241	404.	0.78	0.19	1.63	0.40	2.08	0.51	0.95	0.24	0.69	0.17	1.56	0.39
8242	578.	0.76	0.13	1.85	0.32	1.67	0.29	0.97a	0.17a	0.82	0.14	1.92	0.33
8243	516.	0.73a	0.14a	1.87	0.36	1.98	0.38	1.09	0.21	0.73	0.14	1.89	0.37
8244	486.	0.65	0.13	1.67	0.34	1.73	0.36	0.88	0.18	0.61	0.12	1.60	0.33
8245	454.	0.69	0.15	0.59b	0.13b	1.78	0.39	0.93	0.20	0.67	0.15	0.66b	0.14b
8246	517.	0.62	0.12	1.32	0.26	1.74	0.34	0.97	0.19	0.64	0.12	1.36	0.26
8247	428.	0.73	0.17	2.01	0.47	1.92	0.45	0.91	0.21	0.72	0.17	2.04	0.48
8248	467.	0.68	0.14	1.66	0.36	1.99	0.43	1.29	0.28	0.74	0.16	1.72	0.37
8249	437.	0.58	0.13	1.57	0.36	1.94	0.44	1.28	0.29	0.61	0.14	1.54	0.35
8250	496.	0.72	0.14	2.05	0.41	1.98	0.40	0.88	0.18	0.76	0.15	2.03	0.41
8251	457.	0.56	0.12	1.82	0.40	1.58	0.34	0.68	0.15	0.57	0.12	1.82	0.40
8252	469.	0.49	0.10	0.85b	0.18b	1.19	0.25	0.50	0.11	0.47	0.10	0.87b	0.18b
8253	441.	0.67	0.15	1.68	0.38	1.37	0.31	1.02	0.23	0.64	0.14	1.62	0.37
8254	506.	0.63	0.12	1.84	0.36	1.98	0.39	0.87	0.17	0.64	0.13	1.80	0.36
8255	492.	0.63	0.13	1.76	0.36	2.09	0.42	1.13	0.23	0.73	0.15	1.74	0.35
8256	436.	0.70	0.16	1.81	0.42	1.11	0.25	0.83	0.19	0.65	0.15	1.86	0.43
8257	425.	0.61	0.14	0.94c	0.22c	1.61	0.38	0.64	0.15	0.62	0.14	1.21c	0.28c
8258	506.	0.63	0.12	1.96	0.39	1.79	0.35	0.84	0.17	0.68	0.13	1.94	0.38
8259	440.	0.65	0.15	1.60	0.36	1.47	0.33	0.77	0.18	0.60	0.14	1.59	0.36
8260	545.	0.65	0.12	1.80	0.33	1.87	0.34	0.93	0.17	0.71	0.13	1.74	0.32
8261	453.	0.69	0.15	1.61	0.36	1.95	0.43	0.95	0.21	0.65	0.14	1.58	0.35
8262	464.	0.70	0.15	2.04	0.44	1.62	0.35	0.81	0.17	0.76	0.16	1.97	0.42
8263	530.	0.73	0.14	1.71	0.32	1.70	0.32	0.90	0.17	0.77	0.14	1.73	0.33
8264	506.	0.71	0.14	1.85	0.36	2.16	0.43	1.06	0.21	0.74	0.15	1.86	0.37
8265	422.	0.66	0.16	1.74	0.41	1.33	0.32	0.62	0.15	0.69	0.16	1.67	0.40
8266	498.	0.68	0.14	1.71	0.34	1.99	0.40	1.11	0.22	0.70	0.14	1.71	0.34
8267	438.	0.68	0.16	1.25	0.28	1.40	0.32	0.73	0.17	0.69	0.16	1.37	0.31
8268	541.	0.79	0.15	2.19	0.40	1.64	0.30	0.85	0.16	0.77	0.14	2.05	0.38
8269	514.	0.65	0.13	1.65	0.32	1.20	0.23	0.69	0.13	0.68	0.13	1.67	0.32
8270	507.	0.72	0.14	1.93	0.38	1.54	0.30	0.77	0.15	0.66	0.13	1.87	0.37

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Damaged during processing (weight not affected).

b. Rat had small and flaccid testes; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table B14).

c. Rat 8257 had a small, purple and flaccid left testis; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table B14).

00282

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 18): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP V		3.2 MG/KG/DAY											
8271	505.	0.72	0.14	2.08	0.41	1.88a	0.37a	1.01	0.20	0.78	0.15	2.21	0.44
8272	534.	0.73	0.14	1.92	0.36	2.49	0.47	1.40	0.26	0.78	0.15	2.01	0.38
8273	457.	0.77	0.17	1.79	0.39	1.75	0.38	0.95	0.21	0.78	0.17	1.78	0.39
8274	493.	0.64	0.13	1.62	0.33	1.98	0.40	1.04	0.21	0.60	0.12	1.59	0.32
8275	511.	0.80	0.16	2.24	0.44	1.92	0.38	0.80	0.16	0.84	0.16	2.30	0.45

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

000283

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 19): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP V		3.2 MG/KG/DAY	
8241	404.	1.15	0.28
8242	578.	1.27a	0.22a
8243	516.	0.43b	0.08b
8244	486.	0.79	0.16
8245	454.	0.94	0.21
8246	517.	0.96	0.18
8247	428.	1.27	0.30
8248	467.	0.69	0.15
8249	437.	0.91	0.21
8250	496.	0.93	0.19
8251	457.	0.92	0.20
8252	469.	1.15	0.24
8253	441.	0.89	0.20
8254	506.	1.04	0.20
8255	492.	0.77	0.16
8256	436.	0.61	0.14
8257	425.	1.13	0.26
8258	506.	1.25	0.25
8259	440.	0.91	0.21
8260	545.	0.45	0.08
8261	453.	1.20	0.26
8262	464.	1.04	0.22
8263	530.	1.22	0.23
8264	506.	1.38	0.27
8265	422.	0.68	0.16
8266	498.	1.08	0.22
8267	438.	1.11	0.25
8268	541.	1.28	0.24
8269	514.	1.26	0.24
8270	507.	0.94	0.18

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Damaged during processing (weight not affected).

b. Rat 8243 had a small prostate; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table B14).

000284

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE B15 (PAGE 20): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - Fo GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP V		3.2 MG/KG/DAY	
8271	505.	1.02	0.20
8272	534.	1.25	0.23
8273	457.	1.04	0.23
8274	493.	1.22	0.25
8275	511.	1.05	0.20

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000285

APPENDIX C

REPORT TABLES - Fo GENERATION FEMALE RATS

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP	I	II	III	IV	V
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	0.1	0.4	1.6	3.2
PRECOHABITATION (DAY 1 OF STUDY TO THE DAY OF COHABITATION):					
MAXIMUM POSSIBLE INCIDENCE	1470/ 35	1470/ 35	1470/ 35	1464/ 35	1470/ 35
MORIBUND SACRIFICED	0	0	0	1a	0
LOCALIZED ALOPECIA: TOTAL	0/ 0	0/ 0	83/ 4	43/ 3	65/ 3
LIMBS	0/ 0	0/ 0	83/ 4	32/ 2	60/ 2
UNDERSIDE	0/ 0	0/ 0	0/ 0	11/ 1	5/ 1
CHROMODACRYORRHEA	16/ 1	2/ 1	0/ 0	2/ 1a	3/ 1
INCISORS: MISSING/BROKEN	0/ 0	47/ 2	11/ 1	0/ 0	6/ 1
CLEAR ORAL EXUDATE	0/ 0	0/ 0	0/ 0	2/ 1a	0/ 0
PTOSIS	0/ 0	0/ 0	0/ 0	1/ 1a	0/ 0
HUNCHED POSTURE	0/ 0	0/ 0	0/ 0	1/ 1a	0/ 0
LABORED BREATHING	0/ 0	0/ 0	0/ 0	1/ 1a	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 8938 was moribund sacrificed on day 36 of study.

000287

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
PRESUMED GESTATION: a						
MAXIMUM POSSIBLE INCIDENCE		649/ 34	660/ 35	647/ 34	581/ 31	666/ 35
MORTALITY		0	0	0	0	0
LOCALIZED ALOPECIA:	TOTAL	0/ 0	19/ 1	75/ 4*	45/ 4**	83/ 8**
	LIMBS	0/ 0	19/ 1	75/ 4	38/ 3	40/ 3
	BACK	0/ 0	0/ 0	0/ 0	7/ 1	18/ 3
	UNDERSIDE	0/ 0	0/ 0	4/ 1	0/ 0	31/ 3
INCISORS:	TOTAL	0/ 0	22/ 1	2/ 1	0/ 0	33/ 2
	MISSING/BROKEN	0/ 0	22/ 1	2/ 1	0/ 0	21/ 1
	MISALIGNED	0/ 0	0/ 0	0/ 0	0/ 0	12/ 1
CHROMODACRYORRHEA		4/ 2	0/ 0	0/ 0	0/ 0	12/ 1

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Restricted to rats with a confirmed mating date.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000288

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C1 (PAGE 3): CLINICAL OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
LACTATION:						
MAXIMUM POSSIBLE INCIDENCE		483/ 23	525/ 25	462/ 22	384/ 20	31/ 21
MORTALITY		0	0	0	0	0
LOCALIZED ALOPECIA:	TOTAL	41/ 3	22/ 2	65/ 4	65/ 5	7/ 5
	BACK	0/ 0	0/ 0	0/ 0	21/ 1	4/ 3**
	UNDERSIDE	0/ 0	0/ 0	21/ 1	1/ 1	2/ 2
	LIMBS	21/ 2	22/ 2	65/ 4	43/ 3	2/ 1
	HEAD	20/ 1	0/ 0	0/ 0	0/ 0	0/ 0
INCISORS:	TOTAL	0/ 0	21/ 1	0/ 0	0/ 0	3/ 2
	MISSING/BROKEN	0/ 0	21/ 1	0/ 0	0/ 0	2/ 1
	MISALIGNED	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000289

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C2 (PAGE 1): BODY WEIGHTS - PRECOHABITATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
BODY WEIGHT (G)						
DAY 1	MEAN±S.D	237.2 ± 12.2	236.4 ± 9.4	237.1 ± 11.8	238.4 ± 11.7	236.0 ± 10.2
DAY 8	MEAN±S.D	243.8 ± 14.5	243.8 ± 11.3	245.7 ± 13.5	243.9 ± 13.6	239.4 ± 12.3
DAY 15	MEAN±S.D	253.6 ± 17.3	252.4 ± 11.8	251.9 ± 15.5	251.5 ± 13.6	239.6 ± 13.6**
DAY 22	MEAN±S.D	256.2 ± 19.0	255.4 ± 12.4	255.8 ± 15.9	252.1 ± 17.8	238.6 ± 15.0**
DAY 29	MEAN±S.D	265.2 ± 20.4	263.0 ± 14.1	265.3 ± 18.2	259.2 ± 18.0	239.9 ± 15.6**
DAY 36	MEAN±S.D	269.5 ± 22.9	268.7 ± 13.5	268.8 ± 19.3	259.5 ± 19.9	237.2 ± 14.5**
DAY 42a	MEAN±S.D	274.4 ± 24.1	272.4 ± 15.1	271.6 ± 18.8	263.6 ± 19.1 [34]b	241.4 ± 15.7**

DAY = DAY OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Last value recorded before cohabitation.
b. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000290

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C3 (PAGE 1): BODY WEIGHT CHANGES - PRECOHABITATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
BODY WEIGHT CHANGE (G)						
DAYS 1 - 8	MEAN±S.D.	+6.6 ± 7.3	+7.5 ± 6.4	+8.6 ± 5.7	+5.5 ± 5.7	+3.4 ± 5.6
DAYS 8 - 15	MEAN±S.D.	+9.8 ± 6.3	+8.5 ± 4.5	+6.2 ± 10.6	+7.6 ± 4.5	+0.2 ± 5.2**
DAYS 15 - 22	MEAN±S.D.	+2.6 ± 6.7	+3.0 ± 5.7	+3.9 ± 9.0	+0.6 ± 7.0	-1.0 ± 5.5
DAYS 22 - 29	MEAN±S.D.	+9.0 ± 5.6	+7.6 ± 6.3	+9.5 ± 6.6	+7.0 ± 7.0	+1.3 ± 5.8**
DAYS 29 - 36	MEAN±S.D.	+4.3 ± 6.0	+5.8 ± 5.1	+3.4 ± 5.2	+0.3 ± 6.7**	-2.7 ± 6.5**
DAYS 36 - 42a	MEAN±S.D.	+4.8 ± 6.8	+3.7 ± 4.8	+2.8 ± 4.1	+2.9 ± 4.5 [34]b	+4.3 ± 4.7
DAYS 1 - 42a	MEAN±S.D.	+37.1 ± 15.8	+36.0 ± 10.5	+34.5 ± 12.9	+25.0 ± 11.9** [34]b	+5.4 ± 10.2**

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Last value recorded before cohabitation.
b. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000291

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C4 (PAGE 1): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP			I	II	III	IV	V
DOSAGE (MG/KG/DAY)			0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED		N	35	35	35	34a	35
PREGNANT		N	33	32	28	29	30
INCLUDED IN ANALYSES		N	32b	32	28	26b	30
MATERNAL BODY WEIGHT (G)							
DAY 0		MEAN±S.D.	270.2 ± 18.9	271.0 ± 15.9	272.7 ± 20.0	262.0 ± 21.0	240.0 ± 17.6**
DAY 1		MEAN±S.D.	277.1 ± 18.2	276.5 ± 15.4	278.2 ± 20.4	268.8 ± 21.5	244.2 ± 16.0**
DAY 2		MEAN±S.D.	281.8 ± 17.2	281.4 ± 14.6	282.6 ± 20.3	272.2 ± 21.0	245.3 ± 17.8**
DAY 3		MEAN±S.D.	284.3 ± 18.3	285.0 ± 16.0	286.2 ± 20.9	273.0 ± 20.1*	246.0 ± 18.3**
DAY 4		MEAN±S.D.	287.9 ± 18.1	288.1 ± 15.9	286.8 ± 21.4	276.3 ± 21.3*	247.2 ± 18.8**
DAY 5		MEAN±S.D.	290.4 ± 19.1	289.5 ± 15.8	290.6 ± 20.9	277.8 ± 22.4*	250.1 ± 18.5**
DAY 6		MEAN±S.D.	293.5 ± 18.5	293.1 ± 16.5	293.1 ± 20.4	280.9 ± 21.9*	253.2 ± 19.4**
DAY 7		MEAN±S.D.	295.5 ± 19.2	293.7 ± 16.7	294.3 ± 20.4	282.5 ± 23.0*	254.6 ± 19.3**
DAY 8		MEAN±S.D.	299.3 ± 19.7	296.1 ± 17.0	297.5 ± 21.0	285.4 ± 22.2*	255.8 ± 19.4**
DAY 9		MEAN±S.D.	302.7 ± 19.7	300.3 ± 17.1	301.2 ± 20.9	288.0 ± 22.5**	258.3 ± 18.9**
DAY 10		MEAN±S.D.	307.8 ± 19.3	305.8 ± 18.0	306.2 ± 20.0	293.5 ± 22.7*	264.3 ± 18.9**

DAY = DAY OF GESTATION
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for rats that did not have a confirmed mating date.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000292

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C4 (PAGE 2): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS TESTED	N	35	35	35	34a	35
PREGNANT	N	33	32	28	29	30
INCLUDED IN ANALYSES	N	22b,c	25c	22c	17b,c	21c
MATERNAL BODY WEIGHT (G)						
DAY 11	MEAN±S.D.	312.5 ± 19.2	313.5 ± 15.9	313.4 ± 19.5	298.5 ± 21.4*	266.0 ± 20.9**
DAY 12	MEAN±S.D.	317.0 ± 20.0	317.2 ± 16.5	316.7 ± 20.6	303.6 ± 22.6	268.1 ± 20.8**
DAY 13	MEAN±S.D.	320.2 ± 19.8	320.4 ± 16.7	320.6 ± 19.4	306.9 ± 21.3	271.9 ± 21.7**
DAY 14	MEAN±S.D.	325.0 ± 20.0	325.4 ± 17.0	326.2 ± 19.7	311.2 ± 22.1	276.7 ± 23.5**
DAY 15	MEAN±S.D.	332.2 ± 20.1	332.7 ± 17.9	333.1 ± 19.3	320.2 ± 22.2	283.4 ± 23.1**
DAY 16	MEAN±S.D.	342.0 ± 21.9	342.7 ± 17.6	343.9 ± 19.0	330.6 ± 22.8	294.1 ± 21.8**
DAY 17	MEAN±S.D.	356.3 ± 23.5	357.6 ± 18.2	358.4 ± 18.5	345.4 ± 24.9	308.6 ± 21.9**
DAY 18	MEAN±S.D.	370.9 ± 25.9	371.0 ± 19.9	370.6 ± 19.7	359.7 ± 26.4	325.0 ± 22.0**
DAY 19	MEAN±S.D.	383.5 ± 26.0	383.1 ± 18.6	384.5 ± 19.7	373.2 ± 28.2	339.6 ± 22.4**
DAY 20	MEAN±S.D.	396.4 ± 27.3	397.5 ± 19.8	397.8 ± 21.7	386.1 ± 29.6	348.8 ± 23.3**

DAY = DAY OF GESTATION
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for rats that did not have a confirmed mating date.
c. Excludes values for rats that were assigned to Caesarean-sectioning on day 10 of gestation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

006293

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C5 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS TESTED	N	35	35	35	34a	35
PREGNANT	N	33	32	28	29	30
INCLUDED IN ANALYSES	N	32b	32	28	26b	30
MATERNAL BODY WEIGHT CHANGE (G)						
DAYS 0 - 7	MEAN±S.D.	+25.3 ± 7.5	+22.7 ± 7.4	+21.6 ± 6.5	+20.5 ± 7.1*	+14.6 ± 6.5**
DAYS 7 - 10	MEAN±S.D.	+12.2 ± 4.4	+12.0 ± 5.2	+12.0 ± 5.6	+10.9 ± 6.0	+9.7 ± 7.6
DAYS 10 - 12	MEAN±S.D.	+10.2 ± 3.4 [22]c	+10.3 ± 4.6 [25]c	+8.8 ± 4.1 [22]c	+10.5 ± 5.5 [17]c	+5.3 ± 6.3** [21]c
DAYS 12 - 15	MEAN±S.D.	+15.3 ± 4.2 [22]c	+15.5 ± 4.7 [25]c	+16.4 ± 5.5 [22]c	+16.6 ± 4.8 [17]c	+15.3 ± 6.7 [21]c
DAYS 15 - 18	MEAN±S.D.	+38.7 ± 7.8 [22]c	+38.2 ± 7.4 [25]c	+37.4 ± 8.8 [22]c	+39.5 ± 8.0 [17]c	+41.5 ± 6.2 [21]c
DAYS 18 - 20	MEAN±S.D.	+25.5 ± 6.8 [22]c	+26.5 ± 5.5 [25]c	+27.2 ± 7.4 [22]c	+26.4 ± 7.4 [17]c	+23.8 ± 4.2 [21]c
DAYS 0 - 20	MEAN±S.D.	+125.1 ± 15.9 [22]c	+123.8 ± 13.3 [25]c	+121.9 ± 20.2 [22]c	+123.1 ± 18.3 [17]c	+108.0 ± 10.6** [21]c

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for rats that did not have a confirmed mating date.
c. Excludes values for rats that were assigned to Caesarean-sectioning on day 10 of gestation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000294

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C6 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	24a	25
PREGNANT	N	23	25	22	20	21
DELIVERED LITTERS	N	23	25	22	20	21
MATERNAL BODY WEIGHT (G)						
DAY 1	MEAN±S.D.	298.3 ± 19.4	299.0 ± 18.0 [24]b	298.0 ± 23.2	297.8 ± 21.6	273.3 ± 19.7** [19]c
DAY 4	MEAN±S.D.	303.8 ± 24.0	304.0 ± 17.9	299.4 ± 21.3	290.7 ± 22.5 [18]d	d
DAY 7	MEAN±S.D.	311.8 ± 21.3	306.0 ± 14.9	305.5 ± 18.9	294.7 ± 22.7 [18]d	
DAY 10	MEAN±S.D.	325.1 ± 20.7	318.0 ± 15.3	320.3 ± 16.6	306.4 ± 20.2** [18]d	
DAY 14	MEAN±S.D.	327.0 ± 19.6	326.5 ± 19.5	324.0 ± 22.4	321.4 ± 22.2 [18]d	
DAY 21	MEAN±S.D.	331.2 ± 21.3	326.4 ± 14.9	331.8 ± 16.1	329.4 ± 20.4 [18]d	

DAY = DAY OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for dam 8842, which delivered one additional pup on day 2 of lactation.
c. Excludes values that were not recorded.
d. Excludes values for dams that had no surviving pups.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000295

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C7 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	24a	25
PREGNANT	N	23	25	22	20	21
DELIVERED LITTERS	N	23	25	22	20	21
INCLUDED IN ANALYSES	N	23	25	22	18b	0b
MATERNAL BODY WEIGHT CHANGE (G)						
DAYS 1 - 4	MEAN±S.D.	+5.5 ± 11.0	+5.3 ± 8.4 [24]c	+1.4 ± 11.1	-6.7 ± 11.0**	
DAYS 4 - 7	MEAN±S.D.	+8.0 ± 10.8	+2.0 ± 7.6	+6.1 ± 11.5	+4.0 ± 7.9	
DAYS 7 - 10	MEAN±S.D.	+13.3 ± 17.4	+12.0 ± 6.0	+14.8 ± 5.9	+11.7 ± 6.4	
DAYS 10 - 14	MEAN±S.D.	+1.9 ± 18.4	+8.5 ± 10.7	+3.6 ± 15.2	+15.0 ± 6.4*	
DAYS 14 - 21	MEAN±S.D.	+4.1 ± 19.4	-0.1 ± 10.0	+7.8 ± 15.2	+8.0 ± 9.3	
DAYS 1 - 21	MEAN±S.D.	+32.8 ± 19.7	+27.8 ± 12.3 [24]c	+33.8 ± 17.8	+32.0 ± 14.6	

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for dams that had no surviving pups.
c. Excludes values for dam 8842, which delivered one additional pup on day 2 of lactation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000296

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C8 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - PRECOHABITATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
FEED CONSUMPTION (G/DAY)						
DAYS 1 - 8	MEAN±S.D.	19.2 ± 2.2 [34]a	19.6 ± 3.0	19.3 ± 2.6	19.7 ± 3.0	17.8 ± 1.9*
DAYS 8 - 15	MEAN±S.D.	19.8 ± 2.2	19.9 ± 2.1 [31]a	18.8 ± 2.4 [32]a	19.3 ± 2.3 [34]a	17.2 ± 2.8**
DAYS 15 - 22	MEAN±S.D.	19.3 ± 2.6	19.7 ± 1.8	19.4 ± 2.0	18.4 ± 1.8 [34]a	16.0 ± 2.0**
DAYS 22 - 29	MEAN±S.D.	20.0 ± 2.5	19.5 ± 2.0	19.3 ± 2.0 [34]a	18.5 ± 2.2**	16.2 ± 1.8**
DAYS 29 - 36	MEAN±S.D.	19.2 ± 2.2 [34]a	19.1 ± 2.0 [34]a	18.6 ± 2.0	18.0 ± 2.7*	14.7 ± 1.7**
DAYS 36 - 42b	MEAN±S.D.	19.3 ± 2.0	19.4 ± 2.0 [34]a	18.9 ± 1.8	18.7 ± 2.5 [34]c	16.3 ± 2.7**
DAYS 1 - 42b	MEAN±S.D.	19.5 ± 1.9	19.6 ± 1.5 [34]a	19.1 ± 1.7	18.9 ± 2.1 [34]c	16.4 ± 1.6**

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were incorrectly recorded, as well as those associated with spillage.
b. Last value recorded before cohabitation.
c. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

002997

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C9 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - PRECOHABITATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	35	35
FEED CONSUMPTION (G/KG/DAY)						
DAYS 1 - 8	MEAN±S.D.	79.7 ± 7.2 [34]a	81.5 ± 11.5	80.0 ± 9.2	81.6 ± 11.8	74.6 ± 6.2*
DAYS 8 - 15	MEAN±S.D.	79.8 ± 7.8	79.8 ± 8.5 [31]a	75.5 ± 8.0 [32]a	78.1 ± 8.1 [34]a	71.6 ± 10.2**
DAYS 15 - 22	MEAN±S.D.	75.7 ± 7.6	77.6 ± 6.9	76.3 ± 6.1	73.3 ± 5.8 [34]a	66.8 ± 6.0**
DAYS 22 - 29	MEAN±S.D.	76.6 ± 7.1	75.4 ± 5.7	73.8 ± 5.9 [34]a	72.4 ± 6.3**	67.8 ± 5.5**
DAYS 29 - 36	MEAN±S.D.	71.5 ± 5.2 [34]a	72.0 ± 6.9 [34]a	69.6 ± 4.7	69.0 ± 7.5	61.6 ± 5.2**
DAYS 36 - 42b	MEAN±S.D.	71.0 ± 5.9	71.9 ± 5.8 [34]a	69.9 ± 4.7	71.2 ± 7.4 [34]c	68.2 ± 10.4
DAYS 1 - 42b	MEAN±S.D.	75.7 ± 4.5	76.5 ± 4.4 [34]a	74.3 ± 4.3	74.5 ± 6.0 [34]c	68.5 ± 4.3**

DAYS = DAYS OF STUDY
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were incorrectly recorded, as well as those associated with spillage.
b. Last value recorded before cohabitation.
c. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000298

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C10 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS TESTED	N	35	35	35	34a	35
PREGNANT	N	33	32	28	29	30
INCLUDED IN ANALYSES	N	32b	32	28	26b	30
MATERNAL FEED CONSUMPTION (G/DAY)						
DAYS 0 - 7	MEAN±S.D.	21.8 ± 2.1	21.6 ± 2.1	21.0 ± 2.1	20.4 ± 2.2*	17.0 ± 2.1**
DAYS 7 - 10	MEAN±S.D.	23.4 ± 2.2	23.6 ± 2.4	22.6 ± 3.0	21.0 ± 2.8**	17.7 ± 2.6**
DAYS 10 - 12	MEAN±S.D.	24.2 ± 3.0 [22]c	24.3 ± 2.5 [25]c	22.9 ± 3.2 [22]c	23.6 ± 3.4 [17]c	18.6 ± 3.3** [21]c
DAYS 12 - 15	MEAN±S.D.	23.8 ± 2.4 [22]c	23.6 ± 2.1 [25]c	22.8 ± 2.5 [22]c	23.4 ± 2.8 [17]c	19.6 ± 2.7** [21]c
DAYS 15 - 18	MEAN±S.D.	24.8 ± 2.8 [22]c	24.4 ± 2.3 [25]c	24.2 ± 1.9 [22]c	26.6 ± 2.9* [17]c	23.3 ± 2.7 [20]c,d
DAYS 18 - 20	MEAN±S.D.	22.2 ± 2.6 [22]c	22.4 ± 2.3 [24]c,d	22.9 ± 2.5 [22]c	23.6 ± 3.3 [17]c	21.2 ± 2.5 [21]c
DAYS 0 - 20	MEAN±S.D.	23.0 ± 1.9 [22]c	22.9 ± 1.2 [24]c,d	22.4 ± 2.0 [22]c	22.8 ± 2.2 [17]c	19.1 ± 1.8** [21]c

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for rats that did not have a confirmed mating date.
c. Excludes values for rats that were assigned to Caesarean-sectioning on day 10 of gestation.
d. Excludes values that were associated with spillage or wet feed.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000299

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C11 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - GESTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS TESTED	N	35	35	35	34a	35
PREGNANT	N	33	32	28	29	30
INCLUDED IN ANALYSES	N	32b	32	28	26b	30
MATERNAL FEED CONSUMPTION (G/KG/DAY)						
DAYS 0 - 7	MEAN±S.D.	76.7 ± 6.6	75.9 ± 5.6	73.7 ± 6.4	74.6 ± 5.9	68.8 ± 6.0**
DAYS 7 - 10	MEAN±S.D.	77.7 ± 5.4	78.8 ± 5.4	75.3 ± 9.2	72.8 ± 7.4*	68.7 ± 8.4**
DAYS 10 - 12	MEAN±S.D.	77.2 ± 6.3 [22]c	77.8 ± 7.3 [25]c	73.2 ± 9.7 [22]c	78.7 ± 7.4 [17]c	70.1 ± 12.1 [21]c
DAYS 12 - 15	MEAN±S.D.	73.5 ± 5.6 [22]c	72.8 ± 5.4 [25]c	70.4 ± 6.6 [22]c	75.4 ± 6.2 [17]c	71.3 ± 8.5 [21]c
DAYS 15 - 18	MEAN±S.D.	70.7 ± 6.1 [22]c	69.4 ± 6.3 [25]c	69.0 ± 5.7 [22]c	78.5 ± 5.8** [17]c	77.4 ± 7.4** [20]c,d
DAYS 18 - 20	MEAN±S.D.	58.1 ± 6.1 [22]c	58.7 ± 6.1 [24]c,d	59.7 ± 6.7 [22]c	63.4 ± 8.0* [17]c	62.8 ± 6.9* [21]c
DAYS 0 - 20	MEAN±S.D.	72.7 ± 4.3 [22]c	72.4 ± 2.9 [24]c,d	70.5 ± 5.3 [22]c	74.8 ± 4.4 [17]c	70.0 ± 4.7 [21]c

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for rats that did not have a confirmed mating date.
c. Excludes values for rats that were assigned to Caesarean-sectioning on day 10 of gestation.
d. Excludes values that were associated with spillage or wet feed.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000300

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C12 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	24a	25
PREGNANT	N	23	25	22	20	21
DELIVERED LITTERS	N	23	25	22	20	21
INCLUDED IN ANALYSES	N	23	25	22	18b	0b
MATERNAL FEED CONSUMPTION (G/DAY)						
DAYS 1 - 4	MEAN±S.D.	25.4 ± 6.9 [22]c	24.0 ± 4.4 [23]c,d	22.0 ± 4.5 [21]c	16.7 ± 4.0**	
DAYS 4 - 7	MEAN±S.D.	37.5 ± 7.5	37.6 ± 5.4	36.3 ± 8.7 [20]c	28.9 ± 6.6**	
DAYS 7 - 10	MEAN±S.D.	47.2 ± 5.2 [22]c	44.8 ± 4.4	45.3 ± 5.1	36.6 ± 7.6**	
DAYS 10 - 14e	MEAN±S.D.	56.9 ± 5.1 [22]c	56.7 ± 5.8	53.6 ± 9.2	46.8 ± 9.2**	
DAYS 1 - 14e	MEAN±S.D.	43.4 ± 5.4 [22]c	42.5 ± 4.5 [24]d	41.0 ± 6.9	33.4 ± 6.5**	

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for dams that had no surviving pups.
c. Excludes values that were not recorded, as well as those associated with spillage or wet feed.
d. Excludes values for dam 8842, which delivered one additional pup on day 2 of lactation.
e. Because it is presumed that the pups begin to consume maternal feed after day 14 of lactation, maternal feed consumption values were not tabulated on days 14 to 21 of lactation.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000301

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C13 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - LACTATION - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	24a	25
PREGNANT	N	23	25	22	20	21
DELIVERED LITTERS	N	23	25	22	20	21
INCLUDED IN ANALYSES	N	23	25	22	18b	0b
MATERNAL FEED CONSUMPTION (G/KG/DAY)						
DAYS 1 - 4	MEAN±S.D.	84.6 ± 22.2 [22]c	79.9 ± 14.1 [23]c,d	74.4 ± 17.0 [21]c	56.9 ± 13.8**	
DAYS 4 - 7	MEAN±S.D.	122.2 ± 24.7	123.6 ± 19.8	120.0 ± 28.3 [20]c	98.6 ± 20.0**	
DAYS 7 - 10	MEAN±S.D.	147.9 ± 15.6 [22]c	144.0 ± 15.4	145.4 ± 18.6	121.7 ± 23.5**	
DAYS 10 - 14e	MEAN±S.D.	174.0 ± 14.1 [22]c	175.9 ± 17.7	166.7 ± 29.0	148.9 ± 25.9**	
DAYS 1 - 14e	MEAN±S.D.	137.8 ± 16.2 [22]c	136.9 ± 15.5 [24]d	133.0 ± 23.8	110.4 ± 19.6**	

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 8938, which was moribund sacrificed on day 36 of study.
b. Excludes values for dams that had no surviving pups.
c. Excludes values that were not recorded, as well as those associated with spillage or wet feed.
d. Excludes values for dam 8842, which delivered one additional pup on day 2 of lactation.
e. Because it is presumed that the pups begin to consume maternal feed after day 14 of lactation, maternal feed consumption values were not tabulated on days 14 to 21 of lactation.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000302

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C14 (PAGE 1): ESTROUS CYCLING, MATING AND FERTILITY - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
ESTROUS CYCLING						
RATS EVALUATED	N	15	15	15	15	15
ESTROUS STAGES/ 28 DAYS	MEAN±S.D.	6.5 ± 0.7	6.5 ± 0.8	5.7 ± 1.3	6.1 ± 0.8	6.7 ± 0.7
RATS WITH 6 OR MORE CONSECUTIVE DAYS OF DIESTRUS	N	3	4	5	2	0
RATS WITH 6 OR MORE CONSECUTIVE DAYS OF ESTRUS	N	1	0	1	0	0

CCCCC3

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C14 (PAGE 2): ESTROUS CYCLING, MATING AND FERTILITY - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
MATING AND FERTILITY						
RATS IN COHABITATION	N	35	35	35	34a	35
DAYS IN COHABITATION b	MEAN±S.D.	2.7 ± 1.8 [34]	2.6 ± 1.3	2.9 ± 3.1	2.1 ± 1.2 [31]	3.2 ± 3.2
RATS THAT MATED	N(%)	35(100.0)	35(100.0)	34(97.1)	34(100.0)	35(100.0)
FERTILITY INDEX c	N/N	33/35	32/35	28/34	29/34	30/35
	(%)	(94.3)	(91.4)	(82.4)	(85.3)	(85.7)
RATS WITH CONFIRMED MATING DATES	N	34	33	34	31	35
MATED BY FIRST MALE d DAYS 1-7	N(%)	34(100.0)	33(100.0)	33(97.0)	31(100.0)	32(91.4)
MATED BY SECOND MALE d DAYS 8-14	N(%)	0(0.0)	0(0.0)	1(2.9)	0(0.0)	3(8.6)
RATS PREGNANT/RATS IN COHABITATION	N/N	33/35	32/35	28/35	29/34	30/35
	(%)	(94.3)	(91.4)	(80.0)	(85.3)	(85.7)

[ ] = NUMBER OF VALUES AVERAGED

a. Excludes values for female rat 8938, which was moribund sacrificed on day 36 of study.
b. Restricted to rats with a confirmed mating date and rats that did not mate.
c. Number of pregnancies/number of rats that mated.
d. Restricted to rats with a confirmed mating date.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C15 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III	IV	V
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
RATS EXAMINED a	N	35	35	35	35	35
MORIBUND SACRIFICED	N	0	0	0	1b	0
APPEARED NORMAL	N	35	35	34	34b	35
SPLEEN:						
ADHERED TO ABDOMINAL ADIPOSE TISSUE	N	0	0	0	1	0
KIDNEYS:						
RIGHT, PELVIS, MODERATE DILATION	N	0	0	1	0	0

a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.
b. Rat 8938 was moribund sacrificed on day 36 of study.

C09305

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C16 (PAGE 1): CAESAREAN-SECTIONING OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO CAESAREAN-SECTIONING	N	10	10	10	10	10
PREGNANT	N(%)	10(100.0)	7(70.0)	6(60.0)	9(90.0)	9(90.0)
RATS PREGNANT AND CAESAREAN-SECTIONED ON DAY 10 OF GESTATION	N	10	7	6	9	9
CORPORA LUTEA	MEAN±S.D.	16.6 ± 3.6	14.6 ± 6.6	14.8 ± 4.3	15.7 ± 4.6	16.2 ± 3.2
IMPLANTATIONS	MEAN±S.D.	13.5 ± 4.0	11.8 ± 5.6	12.2 ± 5.6	12.9 ± 4.2	13.1 ± 4.0
VIABLE EMBRYOS	N	133	83	73	115	118
	MEAN±S.D.	13.3 ± 4.1	11.8 ± 5.6	12.2 ± 5.6	12.8 ± 4.1	13.1 ± 4.0
NONVIABLE EMBRYOS	N	2	0	0	1	0
	MEAN±S.D.	0.2 ± 0.6	0.0 ± 0.0	0.0 ± 0.0	0.1 ± 0.3	0.0 ± 0.0
DAMS WITH ANY NONVIABLE EMBRYOS	N(%)	1(10.0)	0(0.0)	0(0.0)	1(11.1)	0(0.0)
DAMS WITH ALL NONVIABLE EMBRYOS	N	0	0	0	0	0
DAMS WITH VIABLE EMBRYOS	N(%)	10(100.0)	7(100.0)	6(100.0)	9(100.0)	9(100.0)
% NONVIABLE EMBRYOS/LITTER	MEAN±S.D.	1.7 ± 5.3	0.0 ± 0.0	0.0 ± 0.0	0.6 ± 1.8	0.0 ± 0.0

000206

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C17 (PAGE 1): NATURAL DELIVERY OBSERVATIONS - SUMMARY - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
RATS ASSIGNED TO NATURAL DELIVERY	N	25	25	25	24a	25
PREGNANT	N(%)	23(92.0)	25(100.0)	22(88.0)	20(83.3)	21(84.0)
DELIVERED LITTERS	N(%)	23(100.0)	25(100.0)	22(100.0)	20(100.0)	21(100.0)
DURATION OF GESTATION b	MEAN±S.D.	22.7 ± 0.4 [22]	22.8 ± 0.4 [24]	22.5 ± 0.7 [22]	22.4 ± 0.5 [17]	22.2 ± 0.4** [21]
IMPLANTATION SITES PER DELIVERED LITTER	N MEAN±S.D.	342 14.9 ± 1.9	384 15.4 ± 2.2	323 14.7 ± 3.5	295 14.8 ± 1.7	262 12.5 ± 1.4**
DAMS WITH STILLBORN PUPS	N(%)	5(21.7)	2(8.0)	5(22.7)	4(20.0)	15(71.4)**
DAMS WITH NO LIVEBORN PUPS	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	1(4.8)
GESTATION INDEX c	% N/N	100.0 23/ 23	100.0 25/ 25	100.0 22/ 22	100.0 20/ 20	95.2 20/ 21
DAMS WITH ALL PUPS DYING DAYS 1-4 POSTPARTUM	N(%)	0(0.0)	0(0.0)	0(0.0)	2(10.0)	20(100.0)**
DAMS WITH ALL PUPS DYING DAYS 5-21 POSTPARTUM	N	0	0	0	0	0

a. Rat 8938 was moribund sacrificed on day 36 of study.
b. Calculated as the time (in days) elapsed between confirmed mating (arbitrarily defined as day 0) and the time (in days) the first pup was delivered.
c. Number of rats with live offspring/number of pregnant rats.
** Significantly different from the carrier group value ($p \leq 0.01$).

000307

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C18 (PAGE 1): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	23	25	22	20	20
PUPS DELIVERED (TOTAL)	N	323	350a	303	260	200
	MEAN±S.D.	14.0 ± 2.1	14.6 ± 2.3a	13.8 ± 3.4	13.0 ± 2.5	10.0 ± 3.4**
LIVEBORN	MEAN±S.D.	13.6 ± 2.3	14.4 ± 2.5a	13.5 ± 3.3	12.7 ± 2.6	7.8 ± 4.0**
	N(%)	313(96.9)	346(98.9)a	297(98.0)	254(97.7)	156(78.0)**
STILLBORN	MEAN±S.D.	0.3 ± 0.7	0.1 ± 0.3a	0.3 ± 0.6	0.3 ± 0.6	2.2 ± 2.3**
	N(%)	7(2.2)	2(0.6)a	6(2.0)	6(2.3)	44(22.0)**
UNKNOWN VITAL STATUS	N	3	2a	0	0	0
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED						
DAY 1	N/N(%)	2/313(0.6)	3/346(0.9)a	1/297(0.3)	27/254(10.6)	71/156(45.5)**
DAYS 2- 4	N/N(%)	2/311(0.6)	3/358(0.8)	4/296(1.4)	59/227(26.0)*	85/ 85(100.0)**
DAYS 5- 7	N/N(%)	0/184(0.0)	0/200(0.0)	0/169(0.0)	6/131(4.6)**	
DAYS 8-14	N/N(%)	0/184(0.0)	0/200(0.0)	1/169(0.6)	1/125(0.8)	
DAYS 15-21	N/N(%)	0/184(0.0)	0/200(0.0)	2/168(1.2)	0/124(0.0)	
VIABILITY INDEX b	%	98.7	98.3	98.3	66.1*	0.0**
	N/N	309/313	340/346a	292/297	168/254	0/156
LACTATION INDEX c	%	100.0	100.0	98.2	94.6**	
	N/N	184/184	200/200	166/169	124/131	

DAY(S) = DAY(S) POSTPARTUM

a. Excludes values for litter 8842; the dam delivered one additional pup on day 2 of lactation.
b. Number of live pups on day 4 (preculling) postpartum/number of liveborn pups on day 1 postpartum.
c. Number of live pups on day 21 (weaning) postpartum/number of live pups on day 4 (postculling) postpartum.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000308

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C18 (PAGE 2): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	23	25	22	20	20
SURVIVING PUPS/LITTER a						
DAY 1 b	MEAN±S.D.	13.6 ± 2.3	14.4 ± 2.4 [24]c	13.5 ± 3.3	12.7 ± 2.6	7.8 ± 4.0**
DAY 4 PRECULLING	MEAN±S.D.	13.4 ± 2.1	14.2 ± 2.4	13.3 ± 3.3	8.4 ± 4.0	0.0 ± 0.0**
DAY 4 POSTCULLING	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.7 ± 1.1	6.6 ± 2.6*	0.0 ± 0.0
DAY 7	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.7 ± 1.1	6.2 ± 2.8**	0.0 ± 0.0
DAY 14	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.6 ± 1.1	6.2 ± 2.8**	0.0 ± 0.0
DAY 21	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.5 ± 1.2	6.2 ± 2.8**	0.0 ± 0.0
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED						
DAY 1 b	MEAN±S.D.	46.3 ± 17.0	53.9 ± 14.4 [24]c	52.8 ± 11.9	55.1 ± 17.8	46.7 ± 22.0
DAY 4 PRECULLING	MEAN±S.D.	46.8 ± 16.9	53.2 ± 15.0	53.0 ± 11.6	57.0 ± 21.4 [18]d	d
DAY 4 POSTCULLING	MEAN±S.D.	48.9 ± 11.2	49.0 ± 6.2	50.8 ± 5.5 [20]e	53.8 ± 19.7 [18]d	
DAY 7	MEAN±S.D.	48.9 ± 11.2	49.0 ± 6.2	51.9 ± 6.3	51.7 ± 23.2 [18]d	
DAY 14	MEAN±S.D.	48.9 ± 11.2	49.0 ± 6.2	51.6 ± 5.9	51.8 ± 23.0 [18]d	
DAY 21	MEAN±S.D.	48.9 ± 11.2	49.0 ± 6.2	52.4 ± 6.7	51.8 ± 23.0 [18]d	

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Average number of live pups per litter, including litters with no surviving pups.
b. Includes pups born alive, found dead day 1 postpartum.
c. Excludes values for litter 8842; the dam delivered one additional pup on day 2 of lactation.
d. Excludes values for litters that had no surviving pups.
e. Excludes values for litters 8874 and 8899; a sexing error was found prior to weighing on day 1 postpartum.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C18 (PAGE 3): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	23	25	22	20	20
INCLUDED IN ANALYSES	N	23	25	22	20	11a
LIVE LITTER SIZE AT WEIGHING						
DAY 1	MEAN±S.D.	13.6 ± 2.2	14.3 ± 2.4 [24]b	13.4 ± 3.4	11.6 ± 3.5	9.1 ± 3.7**
DAY 4 PRECULLING	MEAN±S.D.	13.4 ± 2.1	14.2 ± 2.4	13.3 ± 3.3	9.3 ± 3.0** [18]a	a
DAY 4 POSTCULLING	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.7 ± 1.1	7.3 ± 1.4 [18]a	
DAY 7	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.7 ± 1.1	6.9 ± 1.9* [18]a	
DAY 14	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.6 ± 1.1	6.9 ± 1.9** [18]a	
DAY 21	MEAN±S.D.	8.0 ± 0.0	8.0 ± 0.0	7.5 ± 1.2	6.9 ± 1.9** [18]a	
PUP WEIGHT/LITTER (GRAMS)						
DAY 1	MEAN±S.D.	6.6 ± 0.6	6.6 ± 0.5 [24]b	6.4 ± 0.7	5.7 ± 0.5**	5.3 ± 0.4** [10]a
DAY 4 PRECULLING	MEAN±S.D.	9.2 ± 1.2	8.9 ± 0.8	8.9 ± 1.3	7.3 ± 1.1** [18]a	a
DAY 4 POSTCULLING	MEAN±S.D.	9.4 ± 1.2	9.0 ± 0.7	9.0 ± 1.3	7.5 ± 1.2** [18]a	
DAY 7	MEAN±S.D.	14.8 ± 1.9	14.3 ± 1.2	14.0 ± 1.4	11.0 ± 1.8** [18]a	
DAY 14	MEAN±S.D.	31.1 ± 3.3	30.5 ± 2.3	29.9 ± 2.3	24.4 ± 3.3** [18]a	
DAY 21	MEAN±S.D.	49.8 ± 5.1	48.6 ± 3.6	48.2 ± 4.5	40.3 ± 4.3** [18]a	

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for litters that had no surviving pups.
b. Excludes values for litter 8842; the dam delivered one additional pup on day 2 of lactation.
* Significantly different from the carrier group value ($p \leq 0.05$).
** Significantly different from the carrier group value ($p \leq 0.01$).

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C19 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 21 POSTPARTUM - SUMMARY - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4	IV 1.6	V 3.2
LITTERS EXAMINED (N)		23	25	22	20	20
TRANSIENT CLINICAL OBSERVATIONS: a		TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS				
NOT NURSING	N/N	0/ 0	0/ 0	0/ 0	0/ 0	24/ 3**
PLACENTAS NOT REMOVED	N/N	0/ 0	0/ 0	0/ 0	0/ 0	22/ 2
NOT NESTING	N/N	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1
PERSISTENT CLINICAL OBSERVATIONS: a		TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS				
TAIL: MISSING	N/N	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
LEFT FORELIMB: CANNIBALIZED	N/N	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
HEAD: DOMED	N/N	0/ 0	0/ 0	17/ 1	7/ 1	0/ 0
PORTION OF TAIL MISSING	N/N	0/ 0	0/ 0	0/ 0	20/ 1	0/ 0
UMBILICAL HERNIA	N/N	0/ 0	15/ 1	0/ 0	0/ 0	0/ 0
LEFT HINDPAW: DIGITS, MISSING	N/N	21/ 1	0/ 0	0/ 0	0/ 0	0/ 0
TAIL: BENT	N/N	8/ 1	0/ 0	0/ 0	0/ 0	0/ 0

STATISTICAL ANALYSES WERE RESTRICTED TO THE NUMBER OF LITTERS WITH OBSERVATIONS.
N/N = TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS
a. Tabulation restricted to adverse observations; all other pups appeared normal.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000311

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C20 (PAGE 1): REFLEX AND PHYSICAL DEVELOPMENT - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP			I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)			0 (VEHICLE)	0.1	0.4	1.6	3.2
SURFACE RIGHTING a		N	23	25	22	20	10b
DAY	1	MEAN±S.D.	46.0 ± 20.0	51.6 ± 24.3 [24]c	37.0 ± 22.0	29.4 ± 23.5	3.8 ± 8.1**
DAY	2	MEAN±S.D.	38.7 ± 24.7	34.0 ± 24.8	32.7 ± 17.9	20.4 ± 16.1 [19]b	b
DAY	3	MEAN±S.D.	47.8 ± 27.6	43.4 ± 27.4	39.4 ± 28.6	11.9 ± 10.7** [19]b	
DAY	4	MEAN±S.D.	71.0 ± 31.4	74.4 ± 22.7	61.5 ± 28.1	32.4 ± 21.5** [18]b	
DAY	5	MEAN±S.D.	85.9 ± 21.8	91.0 ± 20.6	84.1 ± 19.0	41.2 ± 32.9** [18]b	
DAY	6	MEAN±S.D.	90.8 ± 21.7	95.5 ± 12.4	90.9 ± 17.3	47.1 ± 30.1** [18]b	
DAY	7	MEAN±S.D.	94.6 ± 13.0	93.5 ± 16.2	93.8 ± 13.2	60.2 ± 33.6** [18]b	
DAY	8	MEAN±S.D.	96.7 ± 8.6	95.5 ± 10.8	98.3 ± 5.8	77.6 ± 29.3** [18]b	
DAY	9	MEAN±S.D.	97.8 ± 6.1	98.5 ± 5.5	99.4 ± 2.7	85.4 ± 27.9 [18]b	
DAY	10	MEAN±S.D.	99.4 ± 2.6	99.5 ± 2.5	100.0 ± 0.0	89.6 ± 28.5* [18]b	
DAY	11	MEAN±S.D.	100.0 ± 0.0	99.5 ± 2.5	100.0 ± 0.0	94.4 ± 16.2 [18]b	
DAY	12	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	93.0 ± 24.0 [18]b	
DAY	13	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	94.4 ± 23.6 [18]b	
DAY	14	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	94.4 ± 23.6 [18]b	

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. The average percentage of pups meeting the criterion for the developmental landmark tested on each day postpartum.
b. Excludes values for dams that had no surviving pups.
c. Excludes values for dam 8842, which delivered one additional pup on day 2 of lactation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C20 (PAGE 2): REFLEX AND PHYSICAL DEVELOPMENT - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
SURFACE RIGHTING (Cont.)a	N	23	25	22	20	21
INCLUDED IN ANALYSES	N	23	25	22	18b	0b
DAY 15	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	97.2 ± 11.8	
DAY 16	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	97.2 ± 11.8	
DAY 17	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	
	MEAN%±S.D.c	2.4 ± 1.8	2.0 ± 1.2	2.7 ± 1.6	4.6 ± 2.6*	
PINNA UNFOLDING a	N	23	25	22	19b	0b
DAY 2	MEAN±S.D.	16.3 ± 36.6	3.2 ± 12.6	6.0 ± 22.1	1.6 ± 7.1	
DAY 3	MEAN±S.D.	73.1 ± 33.5	50.8 ± 35.4*	43.9 ± 38.8*	8.4 ± 19.8**	
DAY 4	MEAN±S.D.	99.2 ± 3.7	97.6 ± 8.5	98.3 ± 6.3	47.7 ± 47.6** [18]b	
DAY 5	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	81.9 ± 32.1** [18]b	
DAY 6	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	93.0 ± 20.7 [18]b	
DAY 7	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0 [18]b	
	MEAN%±S.D.c	3.1 ± 0.7	3.4 ± 0.6	3.5 ± 0.7	4.7 ± 1.0** [18]b	

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. The average percentage of pups meeting the criterion for the developmental landmark tested on each day postpartum.
b. Excludes values for dams that had no surviving pups.
c. The average day postpartum that at least 50% of the pups had the developmental measure present.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000313

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C20 (PAGE 3): REFLEX AND PHYSICAL DEVELOPMENT - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
EYE OPENING a	N	23	25	22	18b	0b
DAY 12	MEAN±S.D.	0.0 ± 0.0	0.5 ± 2.5	0.6 ± 2.7	3.5 ± 12.0	
DAY 13	MEAN±S.D.	7.1 ± 14.0	3.5 ± 11.1	3.9 ± 9.2	4.2 ± 12.9	
DAY 14	MEAN±S.D.	55.4 ± 32.6	34.0 ± 31.1*	32.0 ± 30.6*	13.9 ± 21.4**	
DAY 15	MEAN±S.D.	93.5 ± 9.9	86.0 ± 25.6	83.5 ± 24.2	37.9 ± 38.1**	
DAY 16	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	99.4 ± 3.0	74.8 ± 33.9**	
DAY 17	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	98.6 ± 5.9	
DAY 18	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	
	MEAN%±S.D.c	14.3 ± 0.6	14.8 ± 0.7	14.9 ± 0.5**	15.7 ± 1.3**	

DAY = DAY POSTPARTUM
a. The average percentage of pups meeting the criterion for the developmental landmark tested on each day postpartum.
b. Excludes values for dams that had no surviving pups.
c. The average day postpartum that at least 50% of the pups had the developmental measure present.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C20 (PAGE 4): REFLEX AND PHYSICAL DEVELOPMENT - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
ACOUSTIC STARTLE a	N	23	25	22	18b	0b
DAY 13	MEAN±S.D.	75.5 ± 31.9	83.0 ± 20.4	69.7 ± 21.0	39.3 ± 27.4**	
DAY 14	MEAN±S.D.	84.2 ± 25.1	87.0 ± 18.2	78.6 ± 23.7	52.3 ± 40.8*	
DAY 15	MEAN±S.D.	88.6 ± 21.9	78.5 ± 34.1	77.1 ± 27.7	68.7 ± 29.6	
DAY 16	MEAN±S.D.	95.1 ± 14.5	81.5 ± 32.9	80.9 ± 29.7	67.3 ± 36.0**	
DAY 17	MEAN±S.D.	98.9 ± 5.2	91.5 ± 20.6	89.2 ± 22.9	76.6 ± 35.1*	
DAY 18	MEAN±S.D.	100.0 ± 0.0	95.5 ± 14.4	96.0 ± 11.8	81.9 ± 36.2**	
DAY 19	MEAN±S.D.	100.0 ± 0.0	99.0 ± 5.0	98.3 ± 8.0	84.5 ± 32.1**	
DAY 20	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	94.4 ± 16.2*	
DAY 21	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	97.2 ± 11.8	
	MEAN±S.D.c	13.3 ± 0.6	13.1 ± 0.3	13.0 ± 0.2	14.0 ± 1.4	

DAY = DAY POSTPARTUM

a. The average percentage of pups meeting the criterion for the developmental landmark tested on each day postpartum.
b. Excludes values for dams that had no surviving pups.
c. The average day postpartum that at least 50% of the pups had the developmental measure present.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000315

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C20 (PAGE 5): REFLEX AND PHYSICAL DEVELOPMENT - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
AIR RIGHTING a	N	23	25	22	18b	0b
DAY 14	MEAN±S.D.	23.9 ± 27.7	13.5 ± 14.4	13.0 ± 15.8	3.5 ± 8.4**	
DAY 15	MEAN±S.D.	48.4 ± 28.8	33.5 ± 22.2	35.5 ± 23.0	3.5 ± 5.8**	
DAY 16	MEAN±S.D.	64.7 ± 26.8	66.0 ± 21.5	46.8 ± 26.3*	21.3 ± 25.0**	
DAY 17	MEAN±S.D.	79.3 ± 25.7	77.0 ± 19.0	73.0 ± 21.9	40.8 ± 31.5**	
DAY 18	MEAN±S.D.	97.8 ± 8.1	90.5 ± 15.0	93.9 ± 13.3	60.6 ± 22.5**	
DAY 19	MEAN±S.D.	100.0 ± 0.0	99.0 ± 3.5	98.3 ± 8.0	75.2 ± 30.1**	
DAY 20	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	93.8 ± 16.2**	
DAY 21	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	93.8 ± 16.2**	
	MEAN±S.D.c	15.5 ± 1.2	15.9 ± 0.8	16.1 ± 1.1	17.5 ± 0.8**	
PUPIL CONSTRICTION a	N	23	25	22	18b	0b
DAY 21	MEAN±S.D.	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. The average percentage of pups meeting the criterion for the developmental landmark tested on each day postpartum.
b. Excludes values for dams that had no surviving pups.
c. The average day postpartum that at least 50% of the pups had the developmental measure present.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000316

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C21 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP		I	II	III	IV	V
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4	1.6	3.2
LITTERS EXAMINED (N)		23	25	22	20	21
TOTAL PUPS STILLBORN OR FOUND DEAD a	N	8	6	8	71	172
STILLBORN	N	5	1	4	6	41
FOUND DEAD	N	3	5	4	65	131
NO MILK IN STOMACH b	N(%)	2(66.7)	0(0.0)	3(75.0)	49(75.4)	102(77.9)
HINDLIMBS AND/OR PORTION OF TAIL: MISSING c	N(%)	0(0.0)	0(0.0)	0(0.0)	0(0.0)	9(5.2)
WHOLE BODY EDEMA	N(%)	0(0.0)	0(0.0)	0(0.0)	1(1.4)	0(0.0)
PUPS SACRIFICED AND NECROPSIED ON DAYS 4 OR 21 POSTPARTUM a						
LITTERS EVALUATED	N	23	25	22	18d	0d
PUPS EVALUATED	N	259	305	209	161	0
APPEARED NORMAL						
LITTER INCIDENCE	N(%)	23(100.0)	25(100.0)	20(90.9)	18(100.0)	
PUP INCIDENCE	N(%)	259(100.0)	305(100.0)	206(98.6)	161(100.0)	
BRAIN: LATERAL VENTRICLES, MODERATE TO SEVERE DILATION						
LITTER INCIDENCE	N(%)	0(0.0)	0(0.0)	1(4.5)	0(0.0)	
PUP INCIDENCE	N(%)	0(0.0)	0(0.0)	2(1.0)	0(0.0)	
KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION						
LITTER INCIDENCE	N(%)	0(0.0)	0(0.0)	1(4.5)	0(0.0)	
PUP INCIDENCE	N(%)	0(0.0)	0(0.0)	1(0.5)	0(0.0)	

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.
b. Analysis restricted to pups found dead or moribund sacrificed and necropsied.
c. Presumed cannibalized by dam.
d. Excludes values for litters that had no surviving pups.

00317

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
8801	DG(11- 12)	CHROMODACRYORRHEA
8802		NO ADVERSE FINDINGS
8803		NO ADVERSE FINDINGS
8804	DL(2- 21)	LOCALIZED ALOPECIA: HEAD
8805		NO ADVERSE FINDINGS
8806		NO ADVERSE FINDINGS
8807		NO ADVERSE FINDINGS
8808		NO ADVERSE FINDINGS
8809		NO ADVERSE FINDINGS
8810		NO ADVERSE FINDINGS
8811		NO ADVERSE FINDINGS
8812		NO ADVERSE FINDINGS
8813		NO ADVERSE FINDINGS
8814		NO ADVERSE FINDINGS
8815		NO ADVERSE FINDINGS
8816		NO ADVERSE FINDINGS
8817		NO ADVERSE FINDINGS
8818	DS(27- 44)	CHROMODACRYORRHEA
	DG(0- 1)	CHROMODACRYORRHEA
8819		NO ADVERSE FINDINGS
8820		NO ADVERSE FINDINGS
8821		NO ADVERSE FINDINGS
8822		NO ADVERSE FINDINGS
8823		NO ADVERSE FINDINGS
8824		NO ADVERSE FINDINGS
8825		NO ADVERSE FINDINGS
8826	DL(2- 21)	LOCALIZED ALOPECIA: LIMBS a
8827		NO ADVERSE FINDINGS
8828		NO ADVERSE FINDINGS
8829		NO ADVERSE FINDINGS
8830		NO ADVERSE FINDINGS
8831	DL(21)	LOCALIZED ALOPECIA: LIMBS a
8832		NO ADVERSE FINDINGS
8833		NO ADVERSE FINDINGS
8834		NO ADVERSE FINDINGS
8835		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000318

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
8836		NO ADVERSE FINDINGS
8837		NO ADVERSE FINDINGS
8838		NO ADVERSE FINDINGS
8839	DS(5- 6)	CHROMODACRYORRHEA
8840		NO ADVERSE FINDINGS
8841		NO ADVERSE FINDINGS
8842	DS(2- 43)	INCISORS: MISSING/BROKEN
	DG(0- 21)	INCISORS: MISSING/BROKEN a
	DL(1- 21)	INCISORS: MISSING/BROKEN a
8843		NO ADVERSE FINDINGS
8844		NO ADVERSE FINDINGS
8845		NO ADVERSE FINDINGS
8846		NO ADVERSE FINDINGS
8847		NO ADVERSE FINDINGS
8848		NO ADVERSE FINDINGS
8849		NO ADVERSE FINDINGS
8850		NO ADVERSE FINDINGS
8851		NO ADVERSE FINDINGS
8852		NO ADVERSE FINDINGS
8853		NO ADVERSE FINDINGS
8854		NO ADVERSE FINDINGS
8855	DG(3- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
8856		NO ADVERSE FINDINGS
8857		NO ADVERSE FINDINGS
8858		NO ADVERSE FINDINGS
8859		NO ADVERSE FINDINGS
8860		NO ADVERSE FINDINGS
8861		NO ADVERSE FINDINGS
8862		NO ADVERSE FINDINGS
8863		NO ADVERSE FINDINGS
8864		NO ADVERSE FINDINGS
8865	DL(21)	LOCALIZED ALOPECIA: LIMBS
8866	DS(37- 43)	INCISORS: MISSING/BROKEN
	DG(0)	INCISORS: GROWN IN
8867		NO ADVERSE FINDINGS
8868		NO ADVERSE FINDINGS
8869		NO ADVERSE FINDINGS
8870		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
8871	DS(58- 64)	CHROMODACRYORRHEA
8872		NO ADVERSE FINDINGS
8873	DS(21- 42)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 10)	LOCALIZED ALOPECIA: LIMBS a
8874		NO ADVERSE FINDINGS
8875		NO ADVERSE FINDINGS
8876		NO ADVERSE FINDINGS
8877		NO ADVERSE FINDINGS
8878		NO ADVERSE FINDINGS
8879		NO ADVERSE FINDINGS
8880		NO ADVERSE FINDINGS
8881		NO ADVERSE FINDINGS
8882		NO ADVERSE FINDINGS
8883	DG(9- 10)	INCISORS: MISSING/BROKEN a
8884		NO ADVERSE FINDINGS
8885		NO ADVERSE FINDINGS
8886		NO ADVERSE FINDINGS
8887		NO ADVERSE FINDINGS
8888		NO ADVERSE FINDINGS
8889		NO ADVERSE FINDINGS
8890		NO ADVERSE FINDINGS
8891		NO ADVERSE FINDINGS
8892	DL(20- 21)	LOCALIZED ALOPECIA: LIMBS a
8893		NO ADVERSE FINDINGS
8894		NO ADVERSE FINDINGS
8895		NO ADVERSE FINDINGS
8896	DS(34- 45)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 20)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
8897	DS(21- 45)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 20)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
8898		NO ADVERSE FINDINGS
8899		NO ADVERSE FINDINGS
8900	DS(13- 45)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(18- 21)	LOCALIZED ALOPECIA: UNDERSIDE
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
	DL(1- 21)	LOCALIZED ALOPECIA: UNDERSIDE a

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000330

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
8901		NO ADVERSE FINDINGS
8902		NO ADVERSE FINDINGS
8903		NO ADVERSE FINDINGS
8904	DS(16- 26)	INCISORS: MISSING/BROKEN
	DS(27)	INCISORS: GROWN IN
8905		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

000321

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP IV		1.6 MG/KG/DAY
RAT #		DESCRIPTION
8906	DS(10- 23)	LOCALIZED ALOPECIA: LIMBS
	DS(24)	ALOPECIA NO LONGER APPARENT
8907		NO ADVERSE FINDINGS
8908		NO ADVERSE FINDINGS
8909	DS(21- 31)	LOCALIZED ALOPECIA: UNDERSIDE
	DS(32)	ALOPECIA NO LONGER APPARENT
	DL(21)	LOCALIZED ALOPECIA: UNDERSIDE a
8910		NO ADVERSE FINDINGS
8911		NO ADVERSE FINDINGS
8912		NO ADVERSE FINDINGS
8913		NO ADVERSE FINDINGS
8914		NO ADVERSE FINDINGS
8915		NO ADVERSE FINDINGS
8916	DG(9- 10)	LOCALIZED ALOPECIA: LIMBS a
8917		NO ADVERSE FINDINGS
8918		NO ADVERSE FINDINGS
8919		NO ADVERSE FINDINGS
8920		NO ADVERSE FINDINGS
8921		NO ADVERSE FINDINGS
8922		NO ADVERSE FINDINGS
8923		NO ADVERSE FINDINGS
8924		NO ADVERSE FINDINGS
8925	DG(14- 20)	LOCALIZED ALOPECIA: BACK
	DL(1- 21)	LOCALIZED ALOPECIA: BACK a
8926		NO ADVERSE FINDINGS
8927		NO ADVERSE FINDINGS
8928	DS(25- 44)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS
8929		NO ADVERSE FINDINGS
8930		NO ADVERSE FINDINGS
8931		NO ADVERSE FINDINGS
8932		NO ADVERSE FINDINGS
8933	DG(12- 25)	LOCALIZED ALOPECIA: LIMBS a
8934	DL(21)	LOCALIZED ALOPECIA: LIMBS a
8935		NO ADVERSE FINDINGS
8936		NO ADVERSE FINDINGS
8937		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

000322

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP IV		1.6 MG/KG/DAY
RAT #		DESCRIPTION
8938	DS(35- 36)	CHROMODACRYORRHEA a
	DS(35- 36)	CLEAR ORAL EXUDATE
	DS(36)	PTOSIS a
	DS(36)	HUNCHED POSTURE
	DS(36)	LABORED BREATHING
	DS(36)	MORIBUND SACRIFICED
8939	DS(56- 67)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
8940		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

660323

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 7): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP V		3.2 MG/KG/DAY
RAT #		DESCRIPTION
8941	DS(6- 42)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 10)	LOCALIZED ALOPECIA: LIMBS a
8942		NO ADVERSE FINDINGS
8943		NO ADVERSE FINDINGS
8944	DG(18- 20)	LOCALIZED ALOPECIA: UNDERSIDE
8945		NO ADVERSE FINDINGS
8946		NO ADVERSE FINDINGS
8947		NO ADVERSE FINDINGS
8948		NO ADVERSE FINDINGS
8949	DG(3- 20)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 2)	LOCALIZED ALOPECIA: LIMBS a
8950		NO ADVERSE FINDINGS
8951		NO ADVERSE FINDINGS
8952		NO ADVERSE FINDINGS
8953		NO ADVERSE FINDINGS
8954	DS(20- 42)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 10)	LOCALIZED ALOPECIA: LIMBS a
8955		NO ADVERSE FINDINGS
8956	DG(15- 20)	LOCALIZED ALOPECIA: BACK
	DL(1)	LOCALIZED ALOPECIA: BACK
	DL(2)	ALOPECIA NO LONGER APPARENT
8957		NO ADVERSE FINDINGS
8958		NO ADVERSE FINDINGS
8959		NO ADVERSE FINDINGS
8960		NO ADVERSE FINDINGS
8961		NO ADVERSE FINDINGS
8962	DG(10- 21)	INCISORS: MISALIGNED
	DL(1)	INCISORS: MISALIGNED a
8963		NO ADVERSE FINDINGS
8964		NO ADVERSE FINDINGS
8965		NO ADVERSE FINDINGS
8966		NO ADVERSE FINDINGS
8967	DG(15- 20)	LOCALIZED ALOPECIA: UNDERSIDE
	DG(15- 20)	LOCALIZED ALOPECIA: BACK
	DL(1)	LOCALIZED ALOPECIA: UNDERSIDE a
	DL(1)	LOCALIZED ALOPECIA: BACK a
8968		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000324

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C22 (PAGE 8): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP V		3.2 MG/KG/DAY
RAT #		DESCRIPTION
8969	DS(38- 43)	LOCALIZED ALOPECIA: UNDERSIDE
	DG(0- 21)	LOCALIZED ALOPECIA: UNDERSIDE
	DL(1)	LOCALIZED ALOPECIA: UNDERSIDE a
8970	DS(37- 44)	INCISORS: MISSING/BROKEN
	DS(38- 40)	CHROMODACRYORRHEA
	DG(0- 20)	INCISORS: MISSING/BROKEN
	DG(9- 20)	CHROMODACRYORRHEA
	DL(1- 2)	INCISORS: MISSING/BROKEN a
8971		NO ADVERSE FINDINGS
8972		NO ADVERSE FINDINGS
8973	DG(16- 21)	LOCALIZED ALOPECIA: BACK
	DL(1- 2)	LOCALIZED ALOPECIA: BACK a
8974		NO ADVERSE FINDINGS
8975		NO ADVERSE FINDINGS

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000325

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 1): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY		
8801	219.	217.	218.	224.	226.	226.	239.
8802	257.	252.	265.	268.	272.	289.	296.
8803	240.	243.	250.	258.	269.	272.	287.
8804	237.	241.	251.	255.	261.	256.	266.
8805	215.	220.	230.	226.	229.	234.	240.
8806	260.	262.	285.	270.	285.	296.	318.
8807	236.	243.	246.	253.	259.	264.	274.
8808	247.	248.	250.	266.	270.	266.	275.
8809	216.	226.	233.	228.	240.	246.	249.
8810	253.	255.	261.	268.	278.	282.	283.
8811	234.	238.	248.	246.	261.	261.	264.
8812	251.	254.	272.	283.	291.	297.	300.
8813	227.	226.	246.	248.	252.	265.	268.
8814	255.	260.	283.	286.	297.	302.	316.
8815	228.	227.	226.	233.	246.	241.	247.
8816	239.	251.	257.	252.	265.	271.	270.
8817	220.	213.	230.	225.	239.	247.	256.
8818	254.	284.	293.	309.	333.	339.	355.
8819	232.	241.	253.	249.	257.	273.	268.
8820	239.	235.	242.	246.	256.	253.	258.
8821	231.	246.	264.	264.	272.	274.	280.
8822	237.	249.	256.	257.	265.	271.	267.
8823	232.	245.	249.	248.	261.	265.	268.
8824	244.	256.	275.	274.	291.	305.	300.
8825	230.	235.	239.	250.	260.	260.	268.
8826	230.	244.	258.	250.	263.	258.	255.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000326

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 2): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY		
8827	234.	240.	247.	246.	254.	260.	259.
8828	243.	249.	259.	268.	274.	275.	288.
8829	223.	239.	247.	250.	258.	259.	265.
8830	255.	257.	274.	278.	271.	276.	278.
8831	231.	240.	243.	250.	255.	257.	262.
8832	247.	263.	269.	280.	280.	285.	284.
8833	236.	242.	247.	248.	263.	267.	266.
8834	248.	261.	272.	275.	286.	303.	294.
8835	223.	231.	238.	236.	243.	239.	240.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

C003327

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 3): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY		
8836	222.	223.	228.	232.	240.	241.	241.
8837	253.	258.	265.	272.	289.	285.	290.
8838	227.	240.	253.	248.	256.	267.	270.
8839	237.	235.	240.	239.	251.	256.	255.
8840	228.	224.	237.	244.	251.	265.	275.
8841	244.	247.	257.	258.	285.	290.	295.
8842	238.	244.	247.	258.	263.	264.	276.
8843	233.	247.	250.	257.	267.	274.	277.
8844	221.	228.	237.	239.	243.	253.	266.
8845	239.	251.	257.	258.	268.	272.	285.
8846	224.	228.	233.	233.	241.	246.	246.
8847	244.	252.	263.	264.	272.	278.	283.
8848	224.	236.	252.	248.	251.	255.	250.
8849	253.	259.	274.	265.	285.	289.	293.
8850	229.	238.	248.	252.	258.	267.	275.
8851	249.	255.	265.	266.	280.	290.	290.
8852	226.	229.	236.	238.	248.	253.	257.
8853	239.	249.	263.	258.	257.	262.	260.
8854	236.	249.	260.	269.	277.	279.	275.
8855	245.	272.	268.	266.	274.	267.	278.
8856	225.	230.	239.	234.	238.	252.	246.
8857	249.	249.	254.	254.	268.	271.	274.
8858	231.	242.	243.	243.	255.	255.	258.
8859	246.	241.	251.	268.	265.	279.	289.
8860	234.	242.	256.	266.	280.	288.	290.
8861	242.	255.	264.	262.	270.	275.	274.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

C00328

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 4): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY		
8862	236.	252.	258.	268.	269.	284.	289.
8863	243.	252.	260.	262.	258.	267.	270.
8864	229.	236.	238.	249.	251.	252.	256.
8865	243.	250.	263.	264.	269.	279.	278.
8866	235.	233.	246.	247.	253.	262.	265.
8867	236.	246.	255.	265.	265.	271.	275.
8868	223.	239.	251.	254.	256.	267.	273.
8869	252.	262.	276.	284.	291.	290.	298.
8870	238.	242.	247.	255.	260.	261.	263.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

C00329

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 5): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY		
8871	212.	224.	225.	220.	233.	231.	238.
8872	254.	256.	269.	274.	276.	275.	284.
8873	239.	248.	250.	254.	263.	258.	267.
8874	237.	248.	245.	254.	270.	272.	278.
8875	221.	230.	239.	237.	241.	253.	254.
8876	255.	269.	275.	271.	290.	294.	297.
8877	232.	232.	236.	238.	239.	247.	248.
8878	237.	247.	255.	252.	253.	261.	260.
8879	223.	232.	242.	244.	252.	261.	275.
8880	251.	251.	254.	268.	267.	273.	275.
8881	223.	231.	248.	254.	256.	258.	265.
8882	238.	248.	260.	262.	277.	292.	294.
8883	230.	232.	246.	248.	261.	265.	262.
8884	230.	231.	241.	234.	234.	233.	240.
8885	231.	254.	264.	269.	294.	300.	299.
8886	242.	246.	255.	258.	267.	274.	272.
8887	229.	238.	246.	253.	262.	266.	265.
8888	258.	271.	277.	284.	291.	295.	297.
8889	229.	238.	245.	248.	256.	263.	262.
8890	241.	263.	273.	275.	291.	298.	302.
8891	222.	232.	241.	238.	246.	249.	254.
8892	245.	252.	260.	258.	275.	272.	273.
8893	236.	245.	250.	258.	262.	264.	261.
8894	253.	269.	276.	281.	295.	297.	300.
8895	223.	228.	229.	234.	237.	233.	237.
8896	248.	249.	261.	260.	267.	276.	271.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

C09330

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 6): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY		
8897	232.	247.	258.	263.	275.	279.	281.
8898	257.	273.	282.	285.	284.	289.	294.
8899	240.	241.	252.	262.	284.	278.	283.
8900	240.	247.	259.	260.	270.	266.	265.
8901	232.	238.	243.	239.	254.	261.	262.
8902	255.	266.	217.	265.	282.	294.	297.
8903	232.	242.	251.	249.	262.	260.	261.
8904	247.	252.	266.	274.	282.	282.	288.
8905	225.	229.	226.	231.	239.	238.	246.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000331

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 7): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP IV				1.6 MG/KG/DAY		
8906	220.	223.	229.	234.	233.	243.	246.
8907	259.	260.	264.	265.	275.	277.	277.
8908	243.	256.	252.	250.	258.	258.	257.
8909	226.	226.	237.	229.	238.	243.	239.
8910	225.	234.	243.	244.	252.	254.	261.
8911	252.	253.	258.	259.	269.	263.	270.
8912	238.	242.	245.	248.	253.	256.	258.
8913	242.	245.	253.	251.	256.	262.	261.
8914	216.	215.	227.	222.	221.	218.	228.
8915	261.	272.	290.	309.	302.	308.	312.
8916	226.	227.	241.	235.	242.	245.	252.
8917	248.	250.	257.	260.	268.	270.	274.
8918	223.	239.	249.	242.	252.	257.	254.
8919	250.	258.	269.	262.	292.	291.	299.
8920	239.	251.	260.	259.	270.	267.	272.
8921	241.	249.	256.	259.	266.	265.	268.
8922	230.	226.	234.	226.	234.	234.	231.
8923	248.	244.	254.	239.	254.	247.	256.
8924	243.	242.	250.	243.	257.	261.	261.
8925	242.	246.	253.	254.	266.	265.	270.
8926	222.	225.	235.	240.	245.	241.	243.
8927	245.	249.	254.	256.	267.	266.	265.
8928	234.	232.	243.	242.	243.	246.	254.
8929	245.	254.	254.	253.	256.	255.	256.
8930	229.	241.	251.	255.	257.	260.	259.
8931	254.	257.	273.	272.	276.	274.	288.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 8): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP IV				1.6 MG/KG/DAY		
8932	221.	228.	238.	232.	241.	241.	242.
8933	240.	244.	249.	248.	272.	273.	268.
8934	226.	224.	228.	232.	235.	232.	242.
8935	244.	254.	263.	264.	262.	266.	266.
8936	240.	251.	255.	269.	267.	273.	277.
8937	251.	264.	264.	272.	278.	276.	280.
8938	231.	244.	245.	247.	250.	219.	MORIBUND SACRIFICED ON DAY 36 OF STUDY
8939	241.	248.	257.	264.	272.	275.	273.
8940	248.	263.	272.	289.	293.	302.	304.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000333

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 9): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP V				3.2 MG/KG/DAY		
8941	225.	224.	225.	228.	218.	220.	227.
8942	252.	249.	256.	253.	256.	257.	263.
8943	232.	227.	230.	217.	224.	219.	214.
8944	227.	230.	226.	220.	227.	218.	224.
8945	220.	222.	219.	222.	222.	219.	218.
8946	255.	267.	264.	259.	261.	255.	256.
8947	239.	237.	239.	234.	239.	236.	239.
8948	248.	244.	245.	245.	255.	247.	247.
8949	215.	218.	213.	216.	213.	213.	211.
8950	250.	254.	247.	247.	246.	252.	261.
8951	238.	248.	246.	247.	248.	244.	244.
8952	238.	236.	241.	238.	232.	235.	238.
8953	225.	224.	226.	218.	226.	226.	228.
8954	249.	247.	250.	249.	252.	254.	264.
8955	220.	220.	230.	221.	226.	222.	233.
8956	236.	238.	236.	241.	229.	232.	230.
8957	226.	231.	233.	222.	229.	222.	237.
8958	253.	253.	250.	249.	252.	254.	261.
8959	235.	247.	252.	250.	248.	245.	249.
8960	242.	255.	264.	266.	272.	264.	273.
8961	219.	226.	219.	226.	218.	219.	227.
8962	245.	253.	255.	248.	254.	250.	256.
8963	237.	242.	240.	243.	240.	237.	241.
8964	234.	238.	232.	240.	241.	238.	242.
8965	231.	232.	231.	234.	241.	241.	246.
8966	239.	245.	243.	248.	244.	243.	245.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

0C0334

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C23 (PAGE 10): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	42a
RAT #	DOSAGE GROUP V				3.2 MG/KG/DAY		
8967	230.	235.	234.	224.	237.	242.	241.
8968	238.	235.	246.	241.	238.	230.	237.
8969	227.	231.	231.	233.	234.	226.	232.
8970	249.	268.	269.	279.	278.	246.	260.
8971	238.	250.	256.	258.	265.	266.	264.
8972	238.	235.	223.	220.	221.	216.	219.
8973	238.	239.	238.	235.	240.	242.	243.
8974	236.	241.	234.	237.	230.	228.	229.
8975	236.	240.	244.	242.	241.	243.	252.

DAY = DAY OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000335

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 1): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8801 P	232.	240.	245.	243.	245.	244.	252.	249.	253.	257.	261.	262.	267.
8802 P	290.	298.	304.	312.	312.	320.	321.	324.	330.	335.	338.		
8803 P	274.	282.	286.	293.	292.	299.	299.	298.	308.	308.	309.	319.	321.
8804 P	269.	278.	282.	291.	297.	301.	299.	305.	307.	315.	319.	323.	328.
8805 P	249.	254.	261.	256.	263.	266.	268.	268.	273.	279.	281.	283.	290.
8806 P	315.	322.	322.	326.	331.	339.	340.	342.	346.	353.	357.		
8807 P	271.	284.	286.	285.	290.	297.	296.	298.	304.	303.	311.	311.	322.
8808 P	269.	283.	282.	285.	282.	287.	285.	289.	295.	287.	291.	303.	310.
8809 P	247.	256.	256.	256.	266.	264.	263.	266.	270.	276.	286.		
8810 P	283.	288.	293.	290.	297.	296.	305.	303.	305.	311.	306.		
8811 P	266.	273.	275.	284.	282.	285.	288.	292.	295.	297.	305.	313.	315.
8812 P	NO CONFIRMED MATING DATE												
8813 P	269.	283.	283.	285.	287.	286.	297.	300.	300.	303.	305.	310.	314.
8814 P	311.	317.	325.	320.	329.	329.	335.	340.	344.	349.	352.	353.	368.
8815 P	238.	246.	259.	259.	269.	275.	277.	278.	281.	286.	302.		
8816 P	254.	269.	276.	275.	277.	281.	292.	295.	292.	299.	310.		
8817 NP	268.	260.	256.	266.	264.	268.	270.	271.	271.	269.	269.	270.	271.
8818 NP	349.	360.	356.	364.	370.	363.	372.	378.	378.	380.	377.	376.	379.
8819 P	268.	274.	282.	280.	290.	292.	293.	300.	299.	304.	309.	312.	317.
8820 P	253.	260.	267.	267.	272.	275.	277.	279.	283.	286.	291.		
8821 P	277.	281.	288.	292.	292.	301.	299.	302.	313.	307.	313.	319.	322.
8822 P	265.	269.	277.	276.	282.	282.	285.	288.	290.	295.	299.		
8823 P	272.	273.	275.	280.	281.	277.	287.	283.	287.	293.	295.	303.	307.
8824 P	298.	300.	298.	306.	306.	305.	306.	305.	314.	316.	322.	327.	328.
8825 P	262.	271.	279.	280.	284.	281.	284.	285.	289.	294.	299.		

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000336

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 2): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8826 P	258.	272.	276.	282.	284.	288.	292.	293.	299.	302.	308.	311.	315.
8827 P	271.	275.	280.	284.	286.	288.	292.	294.	298.	304.	308.	312.	316.
8828 P	283.	290.	296.	299.	304.	300.	304.	312.	308.	313.	320.	331.	332.
8829 P	270.	277.	284.	286.	287.	290.	291.	294.	300.	298.	311.		
8830 P	278.	281.	287.	287.	289.	292.	296.	298.	299.	307.	306.	315.	314.
8831 P	262.	263.	268.	275.	275.	276.	280.	284.	284.	290.	293.	300.	302.
8832 P	288.	285.	293.	297.	302.	303.	310.	309.	317.	315.	323.	334.	334.
8833 P	265.	277.	276.	280.	283.	286.	290.	286.	293.	292.	299.	302.	306.
8834 P	292.	296.	298.	305.	310.	317.	314.	317.	323.	327.	330.	339.	347.
8835 P	247.	250.	259.	262.	266.	270.	274.	280.	280.	286.	289.	294.	298.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 3): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8801 P	270.	274.	280.	286.	294.	308.	324.	330.	340.				
8802 P													
8803 P	320.	332.	339.	347.	354.	375.	387.	400.	413.				
8804 P	328.	330.	341.	354.	365.	387.	393.	412.	423.				
8805 P	293.	299.	306.	310.	330.	339.	350.	368.	382.				
8806 P													
8807 P	324.	330.	334.	341.	358.	373.	388.	394.	411.				
8808 P	314.	322.	326.	333.	346.	354.	373.	382.	389.				
8809 P													
8810 P													
8811 P	316.	322.	333.	342.	354.	365.	378.	387.	400.				
8812 P	NO CONFIRMED MATING DATE												
8813 P	320.	326.	336.	338.	351.	369.	368.	377.	396.				
8814 P	369.	374.	378.	387.	404.	428.	430.	450.	465.				
8815 P													
8816 P													
8817 NP	274.	276.	264.	262.	263.	263.	261.	259.	261.	265.	264.	261.	260.
8818 NP	381.	375.	376.	382.	384.	388.	368.	353.	373.	384.	375.	377.	378.
8819 P	329.	332.	337.	356.	370.	383.	390.	413.	424.				
8820 P													
8821 P	330.	337.	342.	351.	368.	385.	418.	408.	428.				
8822 P													
8823 P	304.	307.	312.	322.	336.	344.	355.	364.					
8824 P	330.	336.	340.	352.	368.	384.	398.	404.	411.				
8825 P													

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 4): MATERNAL BODY WEIGHTS PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8826 P	315.	323.	330.	336.	347.	355.	362.	377.	384.				
8827 P	317.	322.	328.	337.	348.	363.	378.	390.	404.				
8828 P	335.	333.	343.	360.	376.	388.	406.	413.	432.				
8829 P													
8830 P	316.	322.	330.	338.	359.	380.	387.	402.	414.				
8831 P	310.	310.	320.	332.	348.	357.	372.	392.	403.				
8832 P	343.	349.	356.	370.	384.	402.	412.	429.	437.				
8833 P	310.	312.	319.	331.	343.	365.	377.	403.	400.				
8834 P	346.	350.	363.	376.	398.	410.	430.	450.	458.				
8835 P	305.	308.	316.	325.	337.	346.	362.	377.	380.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000339

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 5): MATERNAL BODY WEIGHTS - PRESUMED GESTATION INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8836 P	237.	244.	246.	248.	252.	257.	260.	258.	260.	263.	267.		
8837 P	282.	297.	303.	310.	317.	318.	325.	325.	327.	332.	348.		
8838 P	268.	270.	276.	280.	284.	287.	293.	295.	295.	305.	306.	314.	318.
8839 P	256.	266.	270.	267.	270.	277.	280.	284.	282.	284.	290.		
8840 P	272.	278.	286.	284.	290.	293.	296.	299.	306.	310.	314.	318.	324.
8841 P	306.	307.	306.	311.	316.	320.	323.	324.	328.	330.	343.	346.	349.
8842 P	262.	267.	279.	278.	284.	283.	282.	280.	290.	290.	303.	299.	299.
8843 P	266.	274.	288.	287.	292.	294.	301.	297.	298.	306.	308.		
8844 P	259.	257.	266.	268.	268.	270.	271.	267.	272.	280.	289.		
8845 P	285.	296.	295.	299.	304.	303.	305.	309.	311.	309.	317.	324.	329.
8846 P	246.	252.	258.	260.	266.	263.	264.	268.	269.	272.	277.	283.	286.
8847 P	279.	279.	290.	290.	297.	295.	295.	303.	299.	309.	309.	316.	321.
8848 P	244.	251.	260.	263.	269.	270.	272.	279.	279.	284.	294.		
8849 P	294.	294.	302.	302.	304.	312.	306.	304.	311.	316.	320.	328.	329.
8850 NP	268.	274.	285.	286.	286.	295.	294.	294.	295.	297.	309.		
8851 P	291.	296.	301.	310.	308.	310.	315.	314.	320.	320.	324.	328.	338.
8852 P	261.	264.	270.	270.	269.	273.	279.	270.	280.	278.	284.	288.	292.
8853 P	264.	270.	277.	281.	281.	281.	285.	291.	286.	288.	294.	305.	310.
8854 P	279.	278.	280.	290.	288.	288.	299.	296.	297.	303.	303.	309.	314.
8855 P	272.	281.	282.	288.	291.	291.	295.	292.	298.	304.	312.	320.	320.
8856 NP	a	a	252.	265.	258.	258.	256.	257.	254.	254.	259.		
8857 P	268.	273.	279.	282.	280.	280.	279.	283.	286.	290.	294.	306.	306.
8858 P	258.	262.	264.	271.	273.	274.	277.	280.	281.	284.	288.	299.	303.
8859 P	287.	285.	286.	298.	302.	302.	310.	301.	309.	310.	314.		
8860 P	293.	298.	303.	308.	307.	304.	311.	309.	310.	316.	319.	332.	330.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value was not recorded.

000340

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 6): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8861 NP	278.	282.	279.	286.	288.	293.	298.	301.	300.	302.	319.		
8862 P	290.	298.	297.	305.	307.	309.	311.	318.	319.	324.	330.	337.	346.
8863 P	264.	273.	280.	282.	282.	286.	288.	287.	288.	296.	300.	303.	310.
8864 P	255.	261.	265.	268.	274.	274.	276.	277.	276.	280.	281.	289.	293.
8865 P	275.	279.	286.	285.	294.	294.	299.	297.	304.	306.	304.	315.	314.
8866 P	264.	272.	275.	282.	284.	285.	291.	292.	295.	298.	305.	314.	317.
8867 P	272.	278.	282.	281.	286.	285.	294.	293.	291.	304.	305.	307.	317.
8868 P	270.	280.	283.	288.	293.	292.	294.	296.	297.	302.	310.	317.	322.
8869 P	291.	294.	294.	304.	305.	309.	315.	318.	319.	323.	328.	336.	341.
8870 P	263.	274.	276.	280.	281.	286.	289.	293.	291.	295.	304.	304.	303.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 7): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8836 P													
8837 P													
8838 P	321.	322.	332.	340.	363.	382.	392.	409.	421.				
8839 P													
8840 P	327.	335.	345.	354.	377.	393.	401.	420.	426.				
8841 P	356.	360.	366.	377.	378.	393.	405.	421.	433.				
8842 P	298.	309.	319.	338.	344.	367.	384.	395.	405.				
8843 P													
8844 P													
8845 P	332.	337.	346.	354.	369.	377.	385.	401.	410.				
8846 P	290.	295.	301.	313.	321.	340.	347.	361.	370.				
8847 P	321.	324.	330.	338.	351.	374.	382.	386.	404.				
8848 P													
8849 P	332.	343.	358.	370.	382.	396.	411.	422.					
8850 NP													
8851 P	336.	346.	348.	358.	376.	384.	395.	413.	432.				
8852 P	295.	299.	300.	312.	322.	325.	341.	352.	366.				
8853 P	311.	319.	332.	337.	352.	381.	393.	405.	425.				
8854 P	322.	326.	331.	338.	354.	359.	378.	402.	410.				
8855 P	328.	332.	337.	346.	370.	376.	388.	403.	416.				
8856 NP													
8857 P	312.	315.	319.	328.	349.	358.	373.	385.	398.				
8858 P	305.	313.	318.	330.	349.	358.	374.	389.	410.				
8859 P													
8860 P	335.	341.	349.	356.	377.	386.	404.	411.	427.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 8): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8861 NP													
8862 P	348.	351.	359.	373.	382.	400.	402.	423.	432.				
8863 P	313.	318.	327.	331.	349.	370.	379.	398.					
8864 P	299.	301.	307.	319.	329.	338.	349.	364.	366.				
8865 P	317.	320.	333.	339.	356.	359.	370.	381.	398.				
8866 P	320.	323.	327.	341.	356.	367.	388.	401.	412.				
8867 P	317.	324.	329.	339.	352.	373.	382.	393.	403.		299.		
8868 P	326.	329.	335.	342.	357.	376.	384.	403.	406.				
8869 P	344.	349.	357.	368.	385.	399.	407.	424.	446.				
8870 P	304.	305.	313.	326.	341.	343.	364.	375.	374.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000343

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 9): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8871 NP	MATING NOT CONFIRMED												
8872 P	282.	285.	291.	298.	302.	307.	301.	306.	303.	310.	310.	315.	317.
8873 P	259.	266.	268.	276.	271.	278.	280.	282.	284.	290.	303.		
8874 P	281.	281.	286.	291.	293.	296.	301.	300.	301.	304.	317.	315.	321.
8875 P	262.	266.	265.	271.	266.	268.	271.	275.	279.	279.	283.	293.	292.
8876 P	294.	309.	311.	315.	319.	318.	321.	320.	328.	330.	337.	344.	349.
8877 P	238.	251.	251.	257.	254.	261.	265.	264.	266.	271.	277.		
8878 NP	262.	264.	262.	266.	264.	268.	275.	271.	273.	277.	286.		
8879 NP	276.	277.	270.	265.	261.	265.	259.	260.	256.	264.	264.		
8880 P	274.	284.	293.	296.	301.	301.	302.	308.	307.	309.	313.		
8881 P	259.	266.	268.	270.	273.	280.	278.	280.	279.	285.	286.	290.	294.
8882 P	289.	302.	299.	295.	299.	296.	299.	296.	304.	302.	306.	306.	314.
8883 NP	251.	261.	262.	270.	278.	277.	284.	283.	281.	275.	285.		
8884 P	236.	242.	251.	251.	256.	257.	262.	263.	266.	267.	280.		
8885 P	309.	316.	319.	332.	329.	333.	336.	336.	346.	349.	354.	355.	362.
8886 NP	273.	278.	276.	280.	284.	287.	289.	289.	290.	296.	308.		
8887 P	266.	269.	276.	274.	274.	272.	288.	285.	288.	291.	299.		
8888 P	292.	295.	304.	306.	304.	310.	312.	310.	314.	322.	328.		
8889 P	286.	286.	294.	297.	298.	298.	294.	300.	296.	302.	303.	306.	310.
8890 P	292.	302.	308.	310.	309.	315.	320.	322.	325.	327.	327.	331.	339.
8891 P	262.	264.	266.	273.	272.	277.	279.	280.	286.	294.	297.	301.	306.
8892 P	277.	275.	283.	279.	279.	283.	287.	294.	299.	303.	307.	312.	317.
8893 P	265.	268.	280.	276.	278.	281.	280.	283.	288.	289.	292.	301.	308.
8894 P	302.	306.	307.	314.	309.	316.	318.	318.	319.	322.	320.	333.	333.
8895 P	234.	238.	244.	246.	244.	254.	256.	255.	261.	266.	274.	282.	281.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 10): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8896 P	264.	268.	276.	280.	284.	289.	289.	289.	297.	304.	307.	310.	306.
8897 P	269.	281.	279.	290.	288.	302.	299.	300.	301.	308.	315.	323.	326.
8898 P	297.	299.	305.	308.	311.	311.	314.	315.	315.	319.	320.	327.	331.
8899 P	289.	288.	292.	294.	299.	304.	308.	308.	312.	314.	321.	327.	329.
8900 P	258.	266.	270.	280.	282.	281.	290.	291.	287.	294.	305.	309.	311.
8901 P	260.	266.	271.	273.	266.	271.	278.	276.	275.	282.	282.	300.	300.
8902 P	288.	298.	302.	303.	307.	312.	315.	317.	327.	328.	332.	335.	338.
8903 NP	256.	254.	265.	271.	279.	282.	281.	287.	290.	287.	292.	291.	296.
8904 NP	286.	284.	291.	294.	290.	287.	294.	293.	295.	293.	297.	297.	295.
8905 P	251.	253.	253.	258.	262.	265.	265.	267.	276.	273.	280.	280.	284.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 11): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8871 NP	MATING NOT CONFIRMED												
8872 P	325.	331.	340.	352.	372.	389.	410.	425.	430.				
8873 P													
8874 P	324.	330.	340.	352.	363.	388.	393.	408.	410.				
8875 P	296.	302.	306.	318.	331.	342.	357.	370.					
8876 P	351.	351.	357.	367.	382.	380.	396.	399.	411.				
8877 P													
8878 NP													
8879 NP													
8880 P													
8881 P	301.	300.	308.	318.	329.	336.	359.	364.	381.				
8882 P	320.	320.	329.	345.	363.	382.	398.	414.	423.				
8883 NP													
8884 P													
8885 P	370.	373.	383.	396.	407.	416.	435.	454.	471.				
8886 NP													
8887 P													
8888 P													
8889 P	312.	318.	319.	333.	347.	361.	373.	386.					
8890 P	338.	346.	351.	358.	371.	386.	393.	413.	425.				
8891 P	307.	316.	327.	341.	359.	371.	388.	396.					
8892 P	322.	328.	332.	351.	350.	362.	371.	386.	385.				
8893 P	303.	314.	321.	332.	351.	360.	378.	393.	373.				
8894 P	332.	342.	338.	345.	349.	356.	366.	371.	379.	380.			
8895 P	290.	294.	305.	314.	336.	346.	364.	387.	393.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000346

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 12): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8896 P	314.	318.	325.	328.	345.	356.	370.	388.					
8897 P	323.	329.	340.	351.	368.	378.	391.	408.					
8898 P	332.	339.	350.	353.	364.	382.	386.	393.	407.				
8899 P	333.	340.	345.	355.	369.	377.	390.	405.					
8900 P	313.	326.	333.	339.	365.	372.	379.	395.	409.				
8901 P	306.	308.	314.	329.	344.	352.	363.	372.	380.				
8902 P	343.	351.	354.	363.	380.	402.	419.	434.	427.				
8903 NP	290.	295.	296.	288.	292.	292.	285.	285.	283.	284.	280.	276.	285.
8904 NP	296.	301.	301.	297.	298.	298.	298.	297.	292.	295.	292.	297.	299.
8905 P	298.	301.	312.	326.	341.	359.	380.	391.	397.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

27C000

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 13): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY									
8906 P	NO CONFIRMED MATING DATE												
8907 NP	275.	282.	278.	270.	268.	274.	276.	272.	270.	272.	277.		
8908 P	249.	264.	264.	268.	269.	268.	274.	272.	274.	278.	276.		
8909 P	241.	251.	257.	258.	260.	261.	262.	264.	266.	273.	279.	288.	289.
8910 P	264.	270.	268.	270.	268.	268.	274.	269.	273.	277.	283.		
8911 P	268.	271.	277.	283.	288.	285.	290.	290.	291.	299.	308.		
8912 P	256.	263.	281.	264.	268.	269.	275.	275.	276.	282.	295.		
8913 P	266.	270.	273.	277.	275.	278.	279.	284.	285.	290.	293.	295.	300.
8914 NP	228.	234.	232.	234.	235.	233.	237.	242.	239.	240.	244.	247.	252.
8915 P	310.	324.	328.	325.	329.	334.	335.	339.	342.	346.	354.		
8916 P	243.	250.	259.	254.	259.	262.	265.	261.	271.	270.	283.		
8917 P	276.	286.	283.	282.	288.	294.	291.	293.	299.	298.	314.		
8918 NP	260.	266.	275.	277.	276.	274.	279.	279.	287.	283.	290.	298.	299.
8919 P	291.	299.	305.	304.	305.	313.	316.	328.	327.	333.	341.	349.	355.
8920 P	276.	281.	279.	282.	285.	285.	287.	287.	291.	293.	299.	306.	307.
8921 P	252.	254.	260.	263.	264.	264.	277.	278.	282.	280.	289.	291.	296.
8922 P	226.	228.	234.	235.	234.	236.	240.	241.	244.	246.	254.		
8923 NP	250.	255.	255.	252.	256.	255.	258.	254.	256.	259.	263.	262.	267.
8924 P	249.	260.	263.	267.	272.	270.	273.	270.	276.	276.	280.		
8925 P	263.	267.	276.	279.	290.	287.	288.	297.	292.	294.	296.	308.	314.
8926 P	236.	244.	243.	247.	249.	250.	251.	253.	254.	258.	260.	265.	264.
8927 P	262.	271.	279.	283.	287.	290.	289.	286.	290.	298.	298.	301.	308.
8928 P	250.	254.	261.	262.	264.	262.	263.	268.	272.	275.	279.	282.	285.
8929 P	256.	264.	268.	268.	272.	275.	277.	283.	284.	286.	291.	294.	299.
8930 P	NO CONFIRMED MATING DATE												

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

0023528

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 14): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY									
8931 P	288.	291.	282.	288.	298.	289.	303.	296.	298.	308.	304.	310.	325.
8932 P	237.	247.	250.	251.	252.	256.	257.	260.	265.	267.	266.	267.	274.
8933 NP	271.	274.	275.	281.	282.	286.	289.	297.	296.	298.	301.	296.	284.
8934 P	234.	239.	241.	245.	249.	246.	254.	257.	259.	262.	274.	276.	278.
8935 P	261.	266.	264.	263.	265.	272.	271.	277.	283.	277.	285.	290.	301.
8936 P	279.	286.	286.	290.	293.	294.	295.	299.	298.	303.	308.	311.	316.
8937 P	281.	284.	287.	288.	294.	299.	300.	297.	306.	301.	297.	312.	318.
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY												
8939 P	NO CONFIRMED MATING DATE												
8940 P	298.	304.	308.	302.	307.	315.	318.	322.	322.	319.	324.	330.	332.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 15): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP IV			GROUP IV			1.6 MG/KG/DAY						
8906 P	NO CONFIRMED MATING DATE												
8907 NP													
8908 P													
8909 P	292.	296.	302.	312.	322.	333.	345.	351.	366.				
8910 P													
8911 P													
8912 P													
8913 P	299.	308.	318.	330.	343.	351.	365.	381.					
8914 NP	245.	239.	240.	240.	240.	236.	241.	238.	234.	238.	237.	239.	246.
8915 P													
8916 P													
8917 P													
8918 NP	302.	285.	276.	277.	273.	270.	276.	274.	270.	271.	271.	275.	271.
8919 P	357.	365.	374.	389.	412.	427.	436.	452.					
8920 P	309.	316.	320.	334.	346.	352.	364.	376.	389.				
8921 P	300.	300.	308.	317.	336.	350.	362.	372.	390.				
8922 P													
8923 NP	266.	264.	264.	260.	263.	262.	252.	246.	242.	248.	246.	252.	252.
8924 P													
8925 P	312.	316.	324.	328.	338.	354.	371.	386.	395.				
8926 P	270.	273.	281.	294.	306.	323.	329.	343.					
8927 P	318.	323.	333.	341.	363.	380.	400.	424.					
8928 P	293.	296.	307.	316.	327.	340.	350.	357.	373.				
8929 P	302.	306.	319.	326.	338.	355.	360.	369.	391.				
8930 P	NO CONFIRMED MATING DATE												

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000350

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 16): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY									
8931 P	321.	324.	335.	338.	356.	376.	396.	408.	413.				
8932 P	283.	287.	298.	312.	326.	341.	360.	377.					
8933 NP	282.	280.	278.	278.	278.	280.	282.	277.	271.	282.	282.	282.	282.
8934 P	286.	283.	295.	313.	329.	341.	355.	369.					
8935 P	296.	309.	313.	315.	337.	349.	360.	373.					
8936 P	323.	325.	337.	351.	365.	377.	393.	404.	408.				
8937 P	319.	328.	330.	340.	346.	360.	374.	388.	405.				
8938	MORIBUND SACRIFICED ON DAY 26 OF STUDY												
8939 P	NO CONFIRMED MATING DATE												
8940 P	338.	336.	349.	365.	382.	406.	425.	434.					

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000351

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 17): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY									
8941 P	217.	226.	219.	224.	221.	220.	225.	228.	230.	231.	241.		
8942 P	268.	260.	274.	276.	279.	279.	288.	286.	292.	289.	294.	301.	303.
8943 P	217.	218.	219.	213.	216.	216.	218.	218.	221.	228.	235.	236.	240.
8944 P	219.	222.	226.	224.	227.	226.	231.	232.	230.	232.	236.	242.	241.
8945 NP	221.	228.	235.	229.	233.	228.	230.	234.	231.	238.	238.	240.	237.
8946 P	274.	272.	277.	273.	280.	278.	277.	289.	285.	287.	293.	296.	292.
8947 P	242.	243.	248.	250.	253.	255.	252.	265.	266.	269.	287.		
8948 P	237.	241.	234.	229.	228.	233.	246.	250.	253.	263.	268.		
8949 P	208.	215.	214.	219.	225.	226.	230.	228.	232.	231.	238.	240.	240.
8950 P	262.	269.	270.	269.	269.	276.	278.	278.	279.	283.	288.	297.	299.
8951 P	232.	246.	242.	238.	247.	246.	249.	255.	256.	257.	259.		
8952 NP	232.	237.	237.	238.	237.	244.	242.	234.	242.	245.	246.	243.	244.
8953 P	224.	232.	234.	234.	232.	237.	242.	240.	246.	245.	248.		
8954 P	249.	255.	264.	266.	272.	266.	272.	276.	271.	276.	277.		
8955 P	218.	230.	233.	233.	231.	238.	237.	235.	239.	241.	250.	249.	255.
8956 P	233.	237.	236.	242.	238.	245.	244.	243.	246.	253.	259.	260.	266.
8957 NP	218.	227.	226.	226.	237.	231.	236.	235.	240.	244.	243.	247.	247.
8958 P	260.	263.	265.	264.	268.	259.	283.	266.	263.	273.	284.		
8959 P	258.	258.	257.	254.	259.	261.	270.	267.	262.	260.	270.	272.	282.
8960 P	264.	262.	267.	268.	270.	274.	274.	274.	286.	283.	291.	291.	293.
8961 P	226.	236.	230.	228.	236.	235.	236.	241.	235.	240.	242.	250.	257.
8962 P	244.	263.	256.	268.	260.	263.	262.	272.	262.	262.	265.	266.	263.
8963 NP	219.	239.	245.	244.	252.	246.	247.	252.	257.	259.	258.		
8964 P	239.	240.	245.	241.	238.	241.	245.	250.	246.	251.	265.	263.	264.
8965 P	238.	241.	241.	242.	241.	244.	246.	252.	257.	257.	266.		

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000352

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 18): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY									
8966 P	245.	248.	249.	254.	254.	259.	260.	260.	265.	268.	280.		
8967 P	228.	230.	240.	235.	238.	246.	245.	245.	248.	244.	253.	264.	267.
8968 P	230.	227.	228.	233.	227.	240.	238.	242.	244.	256.	251.	261.	259.
8969 P	225.	235.	232.	234.	238.	242.	244.	242.	252.	257.	260.	263.	258.
8970 P	258.	261.	260.	268.	265.	277.	276.	276.	280.	264.	266.	250.	255.
8971 P	262.	266.	270.	270.	272.	279.	284.	284.	285.	298.	294.	301.	306.
8972 NP	207.	211.	217.	214.	219.	223.	227.	224.	224.	229.	231.	228.	234.
8973 P	238.	239.	239.	240.	243.	243.	249.	250.	248.	246.	259.	264.	267.
8974 P	231.	236.	232.	231.	230.	236.	233.	232.	228.	235.	237.	242.	245.
8975 P	255.	254.	259.	259.	259.	262.	263.	262.	267.	270.	273.	279.	278.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000353

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 19): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY									
8941 P													
8942 P	307.	320.	327.	333.	347.	368.	380.	389.	396.				
8943 P	243.	243.	250.	264.	277.	294.	307.	314.					
8944 P	242.	249.	256.	268.	278.	293.	304.	314.					
8945 NP	230.	231.	230.	227.	232.	234.	225.	221.	219.	223.	222.	217.	227.
8946 P	304.	311.	318.	327.	335.	354.	370.	384.					
8947 P													
8948 P													
8949 P	250.	251.	257.	269.	280.	299.	312.	324.	327.				
8950 P	306.	308.	312.	319.	332.	340.	353.	359.					
8951 P													
8952 NP	246.	243.	240.	239.	242.	276.	242.	236.	241.	240.	244.	243.	243.
8953 P													
8954 P													
8955 P	256.	257.	265.	274.	283.	300.	314.	321.		242.			
8956 P	261.	270.	280.	288.	313.	326.	334.	346.					
8957 NP	235.	234.	233.	239.	239.	229.	237.	237.	240.	234.	238.	239.	241.
8958 P													
8959 P	289.	299.	301.	282.	311.	332.	342.	353.					
8960 P	299.	297.	308.	325.	334.	352.	367.	381.	404.				
8961 P	263.	265.	270.	285.	302.	315.	326.	340.					
8962 P	259.	259.	266.	276.	290.	314.	334.	345.	351.				
8963 NP													
8964 P	265.	270.	279.	298.	311.	330.	347.	359.	364.				
8965 P													

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000354

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C24 (PAGE 20): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY									
8966 P													
8967 P	275.	277.	279.	297.	308.	329.	344.	350.					
8968 P	260.	263.	267.	279.	292.	300.	313.	317.					
8969 P	264.	267.	276.	294.	304.	320.	346.	344.	344.				
8970 P	261.	273.	285.	294.	312.	330.	344.	357.					
8971 P	302.	311.	315.	323.	343.	358.	372.	384.					
8972 NP	228.	228.	224.	222.	223.	220.	221.	221.	209.	215.	214.	218.	222.
8973 P	272.	274.	278.	297.	310.	322.	341.	342.	355.				
8974 P	246.	250.	259.	269.	288.	306.	323.	336.	338.				
8975 P	286.	297.	304.	315.	330.	342.	358.	365.	382.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000355

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C25 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	4	7	10	14	21
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY		
8801	267.	251.	262.	285.	276.	248.
8803	296.	313.	322.	334.	345.	342.
8804	303.	306.	320.	337.	352.	340.
8805	265.	256.	274.	284.	305.	327.
8807	308.	301.	306.	338.	341.	345.
8808	295.	303.	296.	309.	342.	335.
8811	300.	301.	326.	328.	308.	336.
8812	312.	331.	341.	356.	336.	363.
8813	292.	310.	304.	328.	339.	323.
8814	339.	338.	337.	366.	337.	334.
8817	NOT PREGNANT					
8818	NOT PREGNANT					
8819	319.	330.	334.	349.	354.	342.
8821	315.	328.	320.	323.	341.	342.
8823	284.	292.	296.	325.	311.	320.
8824	300.	315.	318.	312.	345.	336.
8826	290.	285.	301.	296.	319.	330.
8827	302.	300.	334.	314.	316.	341.
8828	308.	310.	313.	329.	347.	315.
8830	288.	310.	315.	321.	328.	328.
8831	276.	263.	289.	345.	313.	320.
8832	318.	331.	334.	347.	338.	333.
8833	293.	296.	291.	316.	309.	325.
8834	328.	332.	340.	315.	306.	356.
8835	264.	286.	299.	321.	314.	336.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000356

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C25 (PAGE 2): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	4	7	10	14	21
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY		
8838	293.	312.	307.	323.	314.	318.
8840	290.	301.	309.	321.	334.	335.
8841	326.	325.	333.	338.	342.	337.
8842	284.a	298.	288.	296.	322.	317.
8845	311.	306.	300.	330.	340.	326.
8846	264.	279.	276.	289.	293.	292.
8847	298.	289.	298.	302.	282.	312.
8849	318.	312.	309.	327.	334.	331.
8851	320.	339.	331.	342.	356.	339.
8852	274.	279.	291.	308.	300.	306.
8853	279.	296.	304.	322.	337.	327.
8854	301.	317.	317.	325.	339.	340.
8855	310.	318.	314.	321.	330.	337.
8857	290.	299.	297.	312.	337.	336.
8858	298.	308.	309.	328.	324.	310.
8860	306.	305.	306.	311.	328.	333.
8862	337.	344.	333.	346.	364.	351.
8863	295.	296.	299.	310.	318.	319.
8864	283.	276.	286.	297.	300.	313.
8865	298.	302.	312.	321.	320.	316.
8866	288.	284.	304.	304.	323.	330.
8867	293.	300.	304.	316.	331.	342.
8868	282.	287.	295.	308.	322.	321.
8869	330.	330.	332.	345.	357.	357.
8870	291.	298.	296.	308.	316.	315.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 of lactation excluded from group averages and statistical analyses.

000357

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C25 (PAGE 3): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	4	7	10	14	21
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY		
8871	NOT PREGNANT					
8872	298.	301.	316.	338.	342.	342.
8874	296.	305.	312.	317.	294.	328.
8875	272.	285.	290.	307.	314.	303.
8876	332.	331.	344.	348.	360.	350.
8881	278.	267.	277.	300.	312.	321.
8882	276.	252.	298.	321.	327.	337.
8885	354.	344.	358.	363.	347.	355.
8889	312.	308.	308.	318.	328.	332.
8890	331.	316.	303.	318.	340.	350.
8891	273.	278.	283.	296.	317.	305.
8892	299.	295.	293.	312.	310.	326.
8893	274.	286.	299.	318.	312.	331.
8894	330.	327.	323.	335.	334.	333.
8895	269.	275.	282.	294.	255.	302.
8896	286.	295.	295.	315.	339.	316.
8897	300.	306.	316.	336.	344.	346.
8898	307.	306.	300.	318.	318.	325.
8899	305.	316.	313.	325.	321.	330.
8900	296.	298.	306.	326.	337.	347.
8901	294.	288.	297.	310.	311.	324.
8902	303.	310.	310.	326.	349.	358.
8903	NOT PREGNANT					
8904	NOT PREGNANT					
8905	270.	298.	299.	306.	316.	338.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000358

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C25 (PAGE 4): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

	DAY 1	4	7	10	14	21
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY		
8906	269.	258.	270.	284.	300.	314.
8909	267.	278.	287.	304.	304.	307.
8913	288.	286.	300.	313.	331.	321.
8914	NOT PREGNANT					
8918	NOT PREGNANT					
8919	357.	346.	351.	344.	363.	370.
8920	303.	298.	297.	308.	318.	326.
8921	292.	278.	287.	303.	319.	339.
8923	NOT PREGNANT					
8925	315.	301.	305.	313.	331.	340.
8926	266.	252.	248.	257.	270.	288.
8927	310.	276.	291.	307.	321.	335.
8928	280.	284.	290.	309.	336.	331.
8929	308.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8930	290.	288.	294.	306.	328.	336.
8931	318.	311.	311.	320.	330.	327.
8932	276.	277.	273.	287.	308.	318.
8933	NOT PREGNANT					
8934	290.	278.	270.	286.	299.	314.
8935	298.	293.	293.	304.	318.	325.
8936	296.	280.	NO SURVIVING PUPS ON DAY 4 OF LACTATION			
8937	313.	295.	314.	317.	329.	356.
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY					
8939	309.	310.	302.	310.	315.	316.
8940	311.	323.	322.	343.	365.	366.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000359

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C25 (PAGE 5): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAY	1	4	7	10	14	21
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY		
8942	292.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8943	250.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8944	a	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8945	NOT PREGNANT					
8946	315.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8949	256.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8950	a	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8952	NOT PREGNANT					
8955	246.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8956	272.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8957	NOT PREGNANT					
8959	286.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8960	292.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8961	262.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8962	268.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8964	292.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8967	284.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8968	271.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8969	243.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8970	278.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8971	301.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8972	NOT PREGNANT					
8973	261.	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8974	257.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8975	266.	NO SURVIVING PUPS ON DAY 1 OF LACTATION				

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value was not recorded.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 1): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36 42a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY		
8801	118.	111.	107.	106.	104.	98.
8802	122.	138.	115.	136.	141.	124.
8803	132.	134.	140.	137.	127.	119.
8804	143.	142.	143.	133.	142.	109.
8805	138.	148.	87.	140.	119.	109.
8806	162.	171.	174.	161.	154.	149.
8807	127.	145.	136.	127.	120.	117.
8808	139.	146.	151.	135.	132.	111.
8809	134.	127.	125.	129.	126.	112.
8810	133.	144.	149.	181.	123.	113.
8811	b	131.	130.	130.	123.	105.
8812	151.	146.	141.	141.	142.	114.
8813	129.	136.	124.	122.	131.	99.
8814	156.	170.	150.	148.	153.	129.
8815	126.	169.	133.	136.	116.	121.
8816	159.	130.	126.	141.	131.	133.
8817	118.	132.	124.	134.	151.	114.
8818	179.	177.	180.	185.	174.	145.
8819	130.	131.	125.	129.	140.	103.
8820	123.	134.	131.	124.	120.	110.
8821	142.	142.	138.	137.	139.	115.
8822	128.	124.	128.	130.	124.	103.
8823	128.	129.	128.	128.	121.	103.
8824	150.	163.	155.	166.	154.	117.
8825	148.	128.	145.	134.	131.	118.
8826	120.	127.	120.	129.	125.	103.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000361

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 2): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY		
8827	112.	114.	110.	120.	116.	99.
8828	120.	131.	130.	138.	135.	126.
8829	124.	137.	132.	129.	133.	125.
8830	152.	146.	162.	168.	153.	130.
8831	127.	135.	133.	144.	b	116.
8832	126.	124.	130.	137.	145.	104.
8833	130.	138.	155.	169.	136.	119.
8834	131.	143.	146.	159.	163.	128.
8835	116.	122.	138.	134.	119.	109.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000362

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 3): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY		
8836	122.	125.	125.	124.	110.	106.
8837	128.	130.	139.	144.	132.	642.b
8838	139.	136.	162.	127.	136.	111.
8839	127.	135.	122.	105.	113.	99.
8840	136.	173.	152.	136.	138.	119.
8841	131.	147.	142.	155.	149.	116.
8842	143.	145.	147.	120.	130.	112.
8843	155.	160.	163.	168.	115.	151.
8844	133.	136.	134.	130.	138.	124.
8845	139.	144.	143.	149.	94.	129.
8846	127.	595.b	126.	118.	123.	99.
8847	140.	150.	141.	138.	142.	116.
8848	140.	166.	156.	127.	124.	96.
8849	143.	156.	149.	153.	151.	129.
8850	146.	618.b	142.	128.	132.	122.
8851	246.	145.	142.	149.	143.	124.
8852	130.	127.	127.	131.	124.	112.
8853	136.	144.	127.	132.	127.	98.
8854	153.	163.	159.	159.	149.	113.
8855	157.	159.	150.	148.	139.	122.
8856	126.	133.	127.	126.	159.	105.
8857	119.	123.	128.	143.	138.	115.
8858	134.	124.	125.	128.	122.	109.
8859	122.	136.	143.	163.	150.	138.
8860	138.	618.b	160.	155.	149.	128.
8861	138.	129.	119.	134.	135.	113.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

000363

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 4): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY		
8862	131.	132.	136.	136.	140.	124.
8863	122.	129.	129.	125.	135.	111.
8864	120.	622.b	135.	128.	130.	122.
8865	137.	142.	130.	145.	159.	123.
8866	118.	116.	120.	130.	128.	110.
8867	129.	123.	124.	130.	134.	107.
8868	126.	123.	128.	133.	139.	110.
8869	146.	141.	141.	148.	c	128.
8870	127.	124.	133.	128.	121.	125.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.
c. Spilled feed precluded the calculation of this value.

000364

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 5): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY		
8871	126.	118.	117.	120.	109.	90.
8872	141.	151.	139.	131.	126.	118.
8873	154.	148.	146.	141.	123.	122.
8874	135.	136.	133.	131.	128.	110.
8875	135.	138.	129.	120.	117.	110.
8876	151.	156.	144.	145.	137.	115.
8877	123.	877.b	132.	c	119.	93.
8878	143.	144.	134.	125.	125.	106.
8879	137.	136.	137.	136.	117.	128.
8880	119.	121.	130.	125.	125.	101.
8881	117.	124.	121.	121.	118.	108.
8882	129.	132.	141.	165.	152.	129.
8883	126.	139.	132.	147.	133.	121.
8884	117.	123.	114.	110.	116.	103.
8885	162.	157.	164.	162.	162.	131.
8886	129.	131.	135.	141.	134.	112.
8887	126.	138.	133.	131.	126.	104.
8888	153.	155.	156.	146.	135.	122.
8889	127.	620.b	135.	135.	123.	103.
8890	144.	142.	175.	135.	129.	135.
8891	126.	124.	117.	123.	122.	103.
8892	131.	136.	144.	150.	141.	116.
8893	123.	127.	134.	125.	123.	106.
8894	173.	142.	146.	142.	160.	120.
8895	116.	115.	120.	110.	106.	101.
8896	123.	123.	122.	131.	130.	107.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.
c. Spilled feed precluded the calculation of this value.

000365

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 6): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY		
8897	197.	523.b	154.	157.	152.	124.
8898	158.	150.	132.	121.	117.	111.
8899	134.	140.	138.	158.	141.	130.
8900	130.	131.	149.	145.	143.	114.
8901	115.	110.	116.	130.	130.	107.
8902	143.	72.	153.	151.	158.	123.
8903	122.	118.	121.	124.	122.	104.
8904	146.	138.	139.	143.	148.	128.
8905	111.	110.	119.	119.	114.	113.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

000366

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 7): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY		
8906	122.	137.	133.	115.	118.	100.
8907	139.	142.	129.	127.	123.	103.
8908	145.	155.	121.	123.	108.	103.
8909	127.	137.	129.	119.	118.	101.
8910	133.	132.	124.	117.	116.	111.
8911	138.	146.	142.	129.	120.	114.
8912	124.	130.	124.	114.	114.	99.
8913	130.	136.	132.	129.	117.	108.
8914	130.	128.	107.	100.	98.	92.
8915	172.	182.	3175.b	158.	138.	125.
8916	131.	139.	129.	128.	132.	116.
8917	129.	129.	128.	127.	139.	112.
8918	189.	147.	147.	155.	136.	108.
8919	161.	149.	131.	167.	169.	129.
8920	147.	149.	139.	139.	123.	119.
8921	144.	147.	145.	152.	138.	128.
8922	105.	109.	110.	115.	97.	92.
8923	129.	127.	110.	125.	107.	94.
8924	123.	113.	105.	119.	112.	104.
8925	122.	136.	135.	141.	132.	121.
8926	131.	132.	127.	123.	114.	98.
8927	114.	119.	125.	138.	128.	121.
8928	118.	121.	121.	116.	107.	106.
8929	172.	140.	149.	123.	123.	110.
8930	144.	144.	135.	125.	138.	103.
8931	139.	136.	128.	125.	139.	114.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

000367

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 8): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY		
8932	130.	125.	116.	128.	125.	107.
8933	205.	176.	132.	154.	168.	164.
8934	109.	111.	115.	121.	110.	101.
8935	145.	135.	134.	124.	136.	110.
8936	130.	123.	128.	123.	131.	112.
8937	141.	132.	131.	137.	157.	149.
8938	126.	111.	119.	116.	86.	MORIBUND SACRIFICED ON DAY 36 OF STUDY
8939	124.	123.	125.	124.	121.	109.
8940	157.	b	165.	165.	165.	127.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000368

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 9): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY		
8941	120.	119.	105.	93.	84.	84.
8942	114.	128.	107.	117.	102.	102.
8943	113.	114.	92.	93.	82.	80.
8944	128.	114.	106.	106.	86.	87.
8945	126.	125.	113.	111.	107.	81.
8946	145.	139.	120.	112.	103.	83.
8947	128.	114.	105.	110.	98.	94.
8948	137.	134.	128.	131.	112.	102.
8949	116.	104.	108.	90.	90.	69.
8950	134.	131.	116.	124.	113.	109.
8951	136.	122.	121.	111.	102.	92.
8952	115.	108.	102.	98.	98.	86.
8953	123.	139.	119.	122.	109.	99.
8954	120.	139.	119.	121.	112.	117.
8955	117.	128.	109.	108.	100.	101.
8956	115.	110.	112.	109.	96.	86.
8957	122.	123.	98.	114.	96.	95.
8958	127.	195.	114.	112.	106.	110.
8959	132.	124.	121.	109.	94.	91.
8960	147.	141.	132.	136.	120.	112.
8961	102.	88.	93.	95.	97.	83.
8962	139.	126.	107.	132.	122.	117.
8963	126.	117.	111.	117.	105.	100.
8964	116.	93.	106.	112.	100.	98.
8965	114.	109.	109.	111.	112.	104.
8966	134.	123.	117.	122.	112.	103.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000369

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C26 (PAGE 10): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1- 8	8- 15	15- 22	22- 29	29- 36	36- 42a
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY		
8967	118.	106.	87.	132.	108.	97.
8968	111.	116.	107.	111.	87.	91.
8969	113.	110.	114.	120.	104.	95.
8970	171.	150.	157.	136.	110.	95.
8971	130.	132.	141.	140.	140.	120.
8972	102.	91.	91.	102.	82.	87.
8973	117.	103.	118.	114.	103.	102.
8974	124.	94.	100.	103.	108.	163.
8975	122.	106.	115.	111.	111.	99.

DAYS = DAYS OF STUDY
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

027070

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8801 P	16.	19.	14.	24.	17.	17.	16.	18.	23.	15.	17.	21.	16.
8802 P	21.	28.	30.	24.	31.	32.	22.	26.	25.	27.			
8803 P	22.	27.	23.	25.	27.	21.	25.	25.	27.	22.	26.	27.	25.
8804 P	24.	17.	24.	26.	20.	29.	25.	31.	23.	25.	28.	26.	27.
8805 P	17.	21.	20.	24.	18.	22.	28.	18.	22.	25.	17.	24.	22.
8806 P	28.	26.	29.	24.	33.	25.	21.	24.	29.	27.			
8807 P	26.	23.	13.	27.	25.	18.	23.	26.	26.	18.	25.	26.	24.
8808 P	24.	19.	16.	24.	22.	15.	21.	22.	19.	18.	20.	29.	26.
8809 P	21.	19.	18.	20.	21.	21.	19.	23.	22.	21.			
8810 P	20.	20.	22.	12.	27.	23.	13.	22.	21.	17.			
8811 P	11.	23.	22.	16.	24.	21.	27.	18.	23.	25.	19.	24.	26.
8812 P	NO CONFIRMED MATING DATE												
8813 P	24.	15.	31.	21.	16.	24.	22.	26.	19.	22.	26.	21.	24.
8814 P	15.	20.	21.	23.	23.	26.	29.	27.	25.	30.	30.	30.	27.
8815 P	15.	26.	20.	23.	27.	23.	22.	24.	27.	24.			
8816 P	20.	23.	20.	21.	24.	27.	25.	22.	26.	24.			
8817 NP	7.	12.	19.	25.	22.	22.	29.	20.	24.	24.	17.	22.	21.
8818 NP	20.	15.	26.	28.	18.	30.	29.	30.	26.	30.	26.	22.	29.
8819 P	15.	20.	21.	22.	20.	24.	24.	32.	21.	26.	28.	23.	30.
8820 P	19.	22.	23.	19.	24.	20.	19.	24.	22.	21.			
8821 P	20.	24.	17.	27.	22.	16.	25.	20.	28.	18.	26.	31.	22.
8822 P	19.	24.	20.	20.	21.	21.	17.	23.	22.	22.			
8823 P	14.	19.	22.	17.	18.	19.	22.	20.	23.	20.	23.	21.	22.
8824 P	17.	16.	23.	19.	18.	18.	22.	19.	24.	26.	22.	24.	21.
8825 P	21.	24.	26.	16.	27.	22.	17.	21.	24.	21.			

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000371

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
8826 P	18.	25.	25.	21.	26.	26.	30.	21.	26.	27.	20.	23.	27.
8827 P	17.	21.	22.	22.	17.	25.	25.	20.	25.	21.	22.	23.	23.
8828 P	21.	26.	17.	28.	17.	19.	23.	24.	28.	25.	25.	23.	21.
8829 P	25.	25.	25.	22.	23.	21.	21.	22.	22.	20.			
8830 P	23.	22.	25.	23.	24.	25.	23.	25.	20.	27.	28.	25.	27.
8831 P	11.	22.	22.	15.	23.	23.	25.	19.	26.	26.	21.	23.	23.
8832 P	18.	19.	26.	26.	21.	25.	22.	33.	20.	25.	31.	25.	29.
8833 P	19.	19.	23.	15.	28.	22.	17.	22.	20.	27.	18.	25.	25.
8834 P	17.	19.	25.	22.	23.	24.	30.	24.	27.	26.	28.	27.	27.
8835 P	18.	26.	24.	22.	26.	27.	31.	22.	24.	29.	19.	23.	30.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY								
8801 P	20.	22.	19.	23.	22.	20.	18.	20.				
8802 P												
8803 P	25.	25.	26.	31.	30.	29.	22.	24.	13.			
8804 P	25.	23.	28.	29.	27.	27.	27.	20.				
8805 P	22.	16.	19.	24.	19.	20.	20.	19.				
8806 P												
8807 P	25.	24.	20.	24.	25.	27.	20.	22.				
8808 P	23.	26.	25.	28.	28.	27.	22.	22.				
8809 P												
8810 P												
8811 P	22.	24.	23.	24.	21.	22.	20.	20.	13.			
8812 P	NO CONFIRMED MATING DATE											
8813 P	26.	24.	23.	23.	23.	16.	19.	18.				
8814 P	28.	24.	28.	27.	29.	22.	26.	24.	16.			
8815 P												
8816 P												
8817 NP	19.	16.	17.	16.	16.	15.	15.	20.	15.	13.	17.	13.
8818 NP	29.	17.	24.	27.	26.	7.	9.	18.	29.	19.	18.	17.
8819 P	26.	24.	29.	30.	26.	26.	25.	21.				
8820 P												
8821 P	24.	28.	22.	28.	25.	20.	18.	26.				
8822 P												
8823 P	17.	21.	22.	22.	18.	22.	20.	21.				
8824 P	22.	23.	22.	25.	20.	21.	16.	12.				
8825 P												

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY								
8826 P	21.	24.	25.	23.	19.	19.	20.	17.				
8827 P	23.	19.	21.	25.	22.	23.	21.	21.				
8828 P	21.	24.	23.	28.	26.	26.	19.	24.				
8829 P												
8830 P	24.	25.	28.	29.	28.	22.	21.	21.				
8831 P	18.	24.	26.	25.	24.	25.	23.	20.				
8832 P	28.	26.	30.	29.	27.	22.	26.	23.				
8833 P	18.	23.	26.	23.	25.	25.	23.	20.				
8834 P	24.	25.	28.	26.	26.	25.	22.	20.				
8835 P	23.	27.	26.	23.	17.	22.	23.	12.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000374

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 5): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8836 P	19.	17.	18.	16.	19.	19.	16.	19.	18.	17.			
8837 P	23.	26.	26.	22.	28.	28.	24.	22.	27.	21.			
8838 P	15.	16.	23.	20.	17.	20.	23.	24.	22.	23.	24.	21.	24.
8839 P	22.	19.	21.	18.	24.	22.	16.	19.	20.	16.			
8840 P	21.	17.	26.	25.	22.	23.	25.	28.	21.	26.	28.	25.	24.
8841 P	16.	19.	21.	23.	26.	30.	23.	25.	32.	21.	27.	27.	27.
8842 P	20.	23.	18.	25.	14.	15.	21.	23.	22.	24.	21.	21.	24.
8843 P	25.	27.	31.	23.	32.	28.	22.	27.	27.	26.			
8844 P	17.	21.	20.	17.	21.	21.	21.	22.	24.	23.			
8845 P	23.	17.	23.	25.	20.	22.	21.	26.	22.	24.	27.	20.	26.
8846 P	19.	22.	23.	24.	18.	21.	23.	22.	21.	24.	24.	22.	25.
8847 P	16.	21.	22.	22.	18.	22.	24.	27.	21.	24.	26.	24.	26.
8848 P	15.	24.	22.	19.	20.	22.	21.	20.	20.	21.			
8849 P	17.	23.	22.	21.	22.	26.	20.	22.	25.	30.	25.	29.	28.
8850 NP	23.	27.	25.	26.	26.	24.	23.	25.	24.	24.			
8851 P	17.	25.	26.	21.	22.	26.	31.	21.	24.	32.	22.	26.	29.
8852 P	14.	18.	18.	15.	18.	23.	19.	20.	18.	24.	19.	22.	19.
8853 P	20.	17.	21.	22.	19.	24.	22.	22.	18.	23.	24.	27.	24.
8854 P	11.	25.	25.	16.	26.	27.	31.	19.	25.	28.	21.	26.	29.
8855 P	14.	24.	22.	23.	18.	23.	27.	22.	24.	26.	22.	26.	26.
8856 NP	a	a	24.	15.	25.	24.	19.	20.	19.	18.			
8857 P	16.	18.	22.	19.	21.	18.	22.	19.	22.	25.	27.	27.	25.
8858 P	11.	23.	20.	17.	21.	24.	25.	20.	23.	24.	25.	28.	27.
8859 P	19.	24.	31.	21.	32.	30.	18.	26.	27.	26.			
8860 P	18.	25.	23.	19.	23.	23.	23.	22.	24.	27.	23.	26.	26.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Value was not recorded.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 6): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
8861 NP	21.	15.	25.	17.	25.	23.	22.	23.	20.	25.			
8862 P	25.	20.	29.	24.	21.	24.	24.	30.	26.	30.	28.	26.	24.
8863 P	21.	22.	22.	21.	18.	20.	21.	24.	20.	25.	22.	29.	22.
8864 P	20.	21.	24.	19.	25.	22.	17.	21.	23.	24.	21.	23.	32.
8865 P	16.	26.	20.	20.	27.	26.	29.	26.	24.	27.	28.	23.	21.
8866 P	21.	23.	18.	25.	23.	20.	25.	24.	28.	21.	26.	26.	23.
8867 P	21.	16.	24.	21.	17.	23.	20.	24.	19.	23.	24.	20.	25.
8868 P	23.	21.	26.	26.	16.	19.	22.	27.	22.	25.	30.	24.	26.
8869 P	11.	23.	25.	20.	25.	23.	34.	22.	27.	31.	23.	26.	27.
8870 P	22.	23.	26.	21.	28.	23.	20.	22.	23.	28.	19.	15.	22.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 7): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY								
8836 P												
8837 P												
8838 P	22.	21.	27.	26.	26.	22.	22.	22.				
8839 P												
8840 P	22.	24.	27.	28.	25.	24.	26.	15.				
8841 P	24.	28.	22.	18.	18.	19.	20.	20.				
8842 P	25.	26.	28.	25.	30.	24.	22.	18.				
8843 P												
8844 P												
8845 P	26.	26.	25.	26.	23.	23.	24.	24.				
8846 P	21.	21.	22.	23.	23.	19.	17.	18.				
8847 P	20.	21.	23.	21.	22.	24.	22.	19.				
8848 P												
8849 P	27.	29.	24.	31.	20.	24.	17.					
8850 NP												
8851 P	22.	19.	27.	23.	23.	23.	24.	23.				
8852 P	19.	16.	21.	20.	18.	22.	18.	18.				
8853 P	23.	23.	23.	26.	25.	24.	23.	21.				
8854 P	23.	23.	27.	24.	18.	24.	30.	27.				
8855 P	21.	25.	25.	26.	22.	28.	23.	20.				
8856 NP												
8857 P	22.	20.	21.	24.	23.	23.	21.	20.				
8858 P	21.	23.	23.	26.	24.	27.	24.	27.				
8859 P												
8860 P	25.	26.	26.	30.	24.	24.	19.	22.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 8): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY								
8861 NP												
8862 P	28.	21.	28.	29.	29.	21.	a	18.				
8863 P	22.	22.	21.	23.	23.	23.	22.	22.				
8864 P	21.	23.	28.	24.	29.	26.	20.	17.				
8865 P	22.	24.	30.	26.	19.	19.	22.	21.				
8866 P	24.	24.	21.	24.	23.	26.	19.	22.				
8867 P	25.	20.	24.	24.	24.	24.	23.	21.	19.			
8868 P	26.	21.	23.	26.	25.	16.	19.	15.				
8869 P	21.	24.	24.	27.	27.	26.	21.	18.				
8870 P	16.	21.	26.	24.	23.	24.	22.	12.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

000378

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 9): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8871 NP	MATING NOT CONFIRMED												
8872 P	21.	26.	24.	26.	24.	20.	22.	20.	18.	19.	18.	24.	22.
8873 P	16.	18.	22.	21.	23.	21.	21.	20.	25.	23.			
8874 P	15.	22.	25.	24.	17.	27.	23.	24.	22.	27.	23.	27.	25.
8875 P	13.	20.	17.	14.	15.	24.	21.	16.	22.	23.	18.	23.	22.
8876 P	19.	21.	24.	21.	22.	28.	23.	24.	26.	28.	24.	30.	26.
8877 P	18.	18.	22.	15.	22.	18.	18.	18.	21.	19.			
8878 NP	17.	19.	19.	12.	22.	21.	18.	24.	21.	21.			
8879 NP	19.	18.	17.	9.	18.	15.	13.	10.	15.	15.			
8880 P	18.	23.	23.	20.	26.	20.	18.	24.	22.	19.			
8881 P	15.	17.	20.	21.	22.	21.	20.	19.	21.	21.	20.	20.	22.
8882 P	19.	20.	15.	18.	17.	20.	21.	20.	22.	20.	12.	23.	26.
8883 NP	17.	17.	24.	20.	25.	24.	20.	23.	13.	24.			
8884 P	19.	26.	20.	24.	24.	22.	22.	23.	24.	26.			
8885 P	21.	30.	27.	25.	25.	30.	33.	24.	28.	36.	22.	30.	28.
8886 NP	19.	21.	21.	19.	22.	21.	18.	21.	26.	22.			
8887 P	21.	20.	22.	15.	20.	22.	17.	25.	21.	19.			
8888 P	18.	24.	26.	22.	26.	21.	23.	24.	24.	22.			
8889 P	15.	21.	24.	20.	16.	20.	20.	14.	13.	18.	15.	17.	17.
8890 P	19.	23.	21.	16.	24.	22.	16.	23.	20.	23.	18.	24.	23.
8891 P	15.	20.	22.	18.	23.	23.	23.	24.	22.	27.	23.	24.	19.
8892 P	15.	16.	14.	20.	24.	25.	23.	24.	34.	21.	28.	29.	25.
8893 P	19.	23.	20.	19.	22.	21.	17.	19.	20.	23.	22.	25.	22.
8894 P	22.	24.	25.	21.	23.	23.	20.	25.	22.	19.	25.	22.	24.
8895 P	12.	20.	19.	17.	21.	20.	16.	20.	22.	22.	21.	23.	23.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

00379

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 10): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
8896 P	12.	22.	20.	14.	24.	20.	27.	20.	23.	26.	22.	22.	21.
8897 P	14.	27.	26.	19.	26.	23.	27.	24.	26.	24.	25.	29.	24.
8898 P	19.	15.	26.	21.	19.	20.	23.	25.	18.	20.	25.	24.	23.
8899 P	14.	23.	23.	19.	23.	26.	26.	20.	26.	30.	19.	26.	25.
8900 P	18.	24.	29.	24.	25.	26.	28.	25.	29.	31.	27.	22.	23.
8901 P	19.	25.	23.	13.	19.	25.	20.	15.	25.	18.	28.	26.	26.
8902 P	20.	22.	24.	19.	24.	23.	21.	21.	26.	28.	19.	25.	27.
8903 NP	12.	18.	27.	22.	22.	24.	21.	22.	21.	26.	21.	22.	22.
8904 NP	18.	23.	27.	17.	21.	24.	18.	23.	17.	27.	18.	23.	22.
8905 P	18.	21.	23.	20.	21.	22.	19.	20.	18.	23.	17.	21.	21.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

080000

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 11): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY								
8871 NP	MATING NOT CONFIRMED											
8872 P	24..	23.	22.	25.	26.	26.	23.	20.				
8873 P												
8874 P	24.	26.	26.	24.	24.	23.	21.	14.				
8875 P	21.	18.	23.	19.	21.	24.	21.	19.				
8876 P	23.	26.	24.	28.	20.	26.	23.	24.	19.			
8877 P												
8878 NP												
8879 NP												
8880 P												
8881 P	16.	22.	22.	21.	18.	22.	18.	18.				
8882 P	20.	22.	22.	25.	28.	28.	23.	15.	6.			
8883 NP												
8884 P												
8885 P	23.	26.	27.	28.	22.	25.	27.	24.				
8886 NP												
8887 P												
8888 P												
8889 P	17.	18.	23.	22.	24.	20.	21.	22.				
8890 P	20.	23.	24.	21.	22.	22.	20.	19.				
8891 P	21.	24.	26.	27.	20.	18.	18.					
8892 P	28.	30.	28.	21.	21.	29.	20.	15.				
8893 P	24.	23.	27.	26.	24.	29.	21.	16.				
8894 P	29.	24.	23.	26.	26.	29.	25.	20.	48.			
8895 P	19.	23.	23.	25.	22.	25.	23.	19.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000381

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 12): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY								
8896 P	20.	17.	24.	26.	18.	21.	22.	22.				
8897 P	23.	29.	27.	23.	26.	23.	27.	27.				
8898 P	22.	20.	23.	22.	24.	18.	16.	16.				
8899 P	23.	24.	23.	21.	33.	24.	21.	13.				
8900 P	27.	25.	31.	32.	25.	22.	25.	20.				
8901 P	21.	22.	26.	30.	22.	25.	19.	17.				
8902 P	18.	20.	22.	20.	27.	27.	20.	9.				
8903 NP	19.	23.	15.	19.	18.	16.	11.	12.	16.	14.	9.	14.
8904 NP	18.	20.	22.	17.	21.	22.	20.	13.	16.	21.	15.	29.
8905 P	22.	21.	27.	27.	24.	28.	21.	15.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000382

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 13): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY									
8906 P	NO CONFIRMED MATING DATE												
8907 NP	21.	18.	11.	9.	22.	20.	12.	14.	13.	17.			
8908 P	22.	16.	19.	17.	20.	20.	17.	19.	13.	18.			
8909 P	17.	23.	20.	19.	18.	17.	25.	17.	24.	27.	21.	25.	25.
8910 P	20.	20.	19.	15.	20.	21.	15.	19.	14.	19.			
8911 P	18.	24.	21.	19.	24.	24.	19.	24.	21.	21.			
8912 P	20.	16.	20.	17.	21.	21.	20.	19.	19.	20.			
8913 P	19.	22.	21.	20.	22.	19.	22.	21.	22.	23.	18.	20.	23.
8914 NP	18.	15.	24.	18.	15.	15.	16.	16.	19.	19.	18.	20.	16.
8915 P	23.	22.	25.	20.	26.	32.	21.	28.	19.	24.			
8916 P	15.	24.	19.	21.	22.	22.	17.	25.	19.	20.			
8917 P	20.	22.	19.	22.	25.	21.	19.	23.	20.	22.			
8918 NP	20.	29.	21.	24.	29.	20.	21.	22.	23.	23.	28.	24.	24.
8919 P	23.	16.	26.	26.	26.	32.	26.	32.	25.	32.	36.	30.	30.
8920 P	16.	20.	19.	18.	19.	20.	22.	16.	22.	21.	23.	22.	23.
8921 P	10.	23.	18.	21.	45.	26.	22.	19.	28.	21.	22.	27.	18.
8922 P	16.	14.	18.	13.	16.	21.	15.	18.	15.	16.			
8923 NP	16.	18.	16.	21.	13.	22.	11.	21.	17.	19.	20.	18.	18.
8924 P	13.	18.	21.	14.	23.	21.	13.	23.	9.	20.			
8925 P	17.	22.	21.	19.	29.	25.	24.	24.	20.	21.	25.	22.	28.
8926 P	18.	16.	22.	20.	16.	20.	14.	22.	15.	18.	20.	18.	21.
8927 P	19.	26.	22.	18.	25.	20.	18.	24.	15.	22.	22.	27.	27.
8928 P	18.	15.	27.	21.	16.	19.	14.	25.	20.	18.	24.	20.	23.
8929 P	22.	17.	26.	23.	27.	23.	17.	31.	20.	24.	29.	22.	25.
8930 P	NO CONFIRMED MATING DATE												

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 14): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY									
8931 P	15.	19.	21.	21.	19.	21.	22.	21.	24.	21.	22.	24.	24.
8932 P	21.	20.	19.	17.	20.	20.	18.	21.	15.	19.	18.	21.	22.
8933 NP	21.	27.	20.	29.	26.	24.	28.	49.	46.	24.	23.	21.	13.
8934 P	21.	18.	19.	21.	20.	19.	25.	16.	27.	19.	22.	25.	16.
8935 P	20.	16.	22.	22.	18.	25.	17.	29.	13.	24.	27.	21.	29.
8936 P	19.	17.	17.	19.	18.	20.	20.	22.	18.	23.	22.	23.	25.
8937 P	20.	21.	21.	23.	24.	23.	18.	22.	14.	22.	18.	28.	26.
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY												
8939 P	NO CONFIRMED MATING DATE												
8940 P	24.	24.	19.	27.	25.	26.	30.	20.	28.	20.	27.	30.	25.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000384

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 15): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY								
8906 P	NO CONFIRMED MATING DATE											
8907 NP												
8908 P												
8909 P	21.	22.	22.	27.	20.	25.	21.	20.				
8910 P												
8911 P												
8912 P												
8913 P	19.	26.	25.	26.	20.	21.	26.	18.				
8914 NP	8.	13.	13.	16.	12.	7.	7.	12.	11.	11.	12.	15.
8915 P												
8916 P												
8917 P												
8918 NP	7.	10.	13.	12.	6.	16.	20.	14.	9.	13.	18.	17.
8919 P	32.	29.	31.	34.	36.	21.	27.					
8920 P	21.	23.	26.	27.	19.	25.	22.	24.				
8921 P	15.	24.	18.	32.	28.	34.	15.	27.				
8922 P												
8923 NP	15.	15.	13.	16.	15.	2.	2.	7.	9.	10.	15.	12.
8924 P												
8925 P	23.	22.	24.	24.	28.	28.	28.	20.				
8926 P	20.	17.	22.	23.	27.	16.	19.					
8927 P	23.	26.	30.	29.	31.	30.	30.	18.				
8928 P	26.	20.	25.	25.	30.	16.	23.	23.				
8929 P	28.	23.	30.	27.	32.	16.	22.	24.				
8930 P	NO CONFIRMED MATING DATE											

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 16): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP IV			1.6 MG/KG/DAY								
8931 P	22.	21.	26.	29.	24.	24.	23.	22.				
8932 P	23.	22.	25.	24.	25.	24.	24.	16.				
8933 NP	19.	23.	23.	a	21.	22.	11.	b	40.	17.	12.	
8934 P	20.	24.	22.	29.	26.	31.	20.					
8935 P	30.	22.	25.	30.	30.	19.	25.					
8936 P	23.	21.	26.	26.	25.	19.	22.	15.				
8937 P	22.	26.	23.	25.	27.	28.	28.	23.				
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY											
8939 P	NO CONFIRMED MATING DATE											
8940 P	19.	31.	28.	30.	35.	35.	16.	23.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.
b. Value was not recorded.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 17): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY									
8941 P	14.	12.	15.	9.	15.	13.	15.	14.	10.	17.			
8942 P	10.	15.	18.	18.	15.	20.	20.	22.	8.	21.	18.	22.	20.
8943 P	12.	13.	11.	12.	15.	9.	17.	14.	14.	20.	14.	18.	20.
8944 P	13.	15.	15.	15.	27.	15.	15.	12.	14.	19.	16.	15.	17.
8945 NP	18.	16.	15.	16.	13.	14.	14.	11.	17.	15.	17.	15.	13.
8946 P	17.	18.	9.	23.	15.	17.	24.	18.	19.	15.	17.	18.	23.
8947 P	18.	17.	18.	18.	16.	16.	19.	19.	18.	20.			
8948 P	13.	11.	8.	11.	17.	24.	24.	24.	26.	18.			
8949 P	16.	12.	20.	16.	17.	18.	12.	20.	12.	18.	20.	15.	21.
8950 P	17.	21.	18.	19.	21.	16.	27.	19.	22.	25.	24.	25.	23.
8951 P	17.	14.	21.	13.	19.	18.	16.	20.	12.	15.			
8952 NP	15.	16.	11.	16.	18.	14.	10.	17.	17.	16.	9.	20.	17.
8953 P	18.	18.	18.	11.	21.	19.	15.	20.	14.	18.			
8954 P	16.	22.	19.	13.	22.	19.	19.	17.	16.	14.			
8955 P	18.	18.	13.	18.	20.	15.	17.	18.	17.	21.	16.	20.	20.
8956 P	13.	12.	19.	17.	15.	20.	13.	21.	13.	23.	16.	19.	18.
8957 NP	13.	18.	16.	15.	15.	11.	19.	13.	22.	18.	18.	18.	8.
8958 P	19.	19.	16.	16.	16.	25.	10.	17.	17.	17.			
8959 P	14.	13.	15.	15.	15.	22.	16.	11.	12.	18.	17.	16.	20.
8960 P	16.	19.	18.	20.	17.	21.	19.	22.	21.	23.	21.	22.	20.
8961 P	12.	18.	17.	14.	20.	10.	22.	10.	20.	22.	27.	23.	24.
8962 P	28.	17.	18.	21.	19.	14.	21.	12.	20.	16.	14.	16.	17.
8963 NP	19.	17.	19.	15.	23.	19.	19.	19.	15.	17.			
8964 P	18.	15.	13.	16.	14.	15.	18.	16.	17.	19.	21.	19.	18.
8965 P	13.	12.	17.	11.	19.	19.	19.	24.	13.	21.			

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 18): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12	12 - 13
RAT #	DOSAGE GROUP V				3.2 MG/KG/DAY									
8966	P	16.	15.	18.	18.	19.	20.	17.	20.	20.	16.			
8967	P	16.	20.	11.	16.	18.	17.	17.	16.	18.	19.	19.	24.	26.
8968	P	7.	16.	15.	11.	20.	12.	20.	16.	20.	17.	19.	18.	15.
8969	P	14.	18.	13.	20.	19.	16.	19.	17.	25.	14.	18.	21.	18.
8970	P	23.	17.	25.	20.	25.	26.	18.	25.	16.	10.	8.	12.	31.
8971	P	21.	21.	22.	19.	22.	23.	25.	22.	24.	29.	21.	18.	25.
8972	NP	8.	17.	18.	10.	22.	16.	15.	17.	13.	19.	15.	14.	18.
8973	P	16.	15.	17.	16.	19.	18.	19.	13.	19.	15.	23.	20.	25.
8974	P	16.	16.	27.	18.	19.	15.	17.	16.	15.	15.	17.	18.	15.
8975	P	16.	18.	17.	17.	17.	17.	22.	16.	18.	20.	18.	18.	19.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000388

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 19): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS DAYS	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY								
8941 P												
8942 P	22.	24.	23.	24.	29.	21.	21.	22.				
8943 P	15.	19.	19.	22.	15.	20.	20.	17.				
8944 P	18.	19.	21.	23.	20.	22.	21.	16.				
8945 NP	13.	12.	12.	17.	14.	10.	4.	11.	12.	10.	10.	14.
8946 P	21.	22.	24.	26.	26.	24.	22.	21.				
8947 P												
8948 P												
8949 P	20.	18.	21.	24.	25.	18.	27.					
8950 P	22.	19.	23.	29.	a	21.	23.	17.				
8951 P												
8952 NP	14.	17.	12.	14.	11.	14.	9.	12.	15.	11.	13.	10.
8953 P												
8954 P												
8955 P	16.	17.	21.	21.	23.	23.	16.	19.				
8956 P	21.	18.	23.	26.	25.	13.	17.					
8957 NP	8.	15.	16.	16.	4.	9.	13.	13.	25.	23.	14.	12.
8958 P												
8959 P	20.	19.	12.	17.	21.	15.	21.	19.				
8960 P	19.	24.	28.	19.	25.	24.	22.	26.				
8961 P	18.	19.	24.	26.	20.	20.	22.					
8962 P	13.	15.	19.	20.	27.	26.	17.	18.				
8963 NP												
8964 P	15.	20.	25.	26.	28.	17.	21.					
8965 P												

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Wet feed precluded the calculation of this value.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C27 (PAGE 20): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25
RAT #	DOSAGE GROUP V			3.2 MG/KG/DAY								
8966 P												
8967 P	21.	16.	26.	23.	28.	29.	20.					
8968 P	15.	17.	21.	25.	15.	17.	22.					
8969 P	16.	20.	20.	25.	25.	27.	12.	12.				
8970 P	24.	24.	26.	28.	28.	22.	23.					
8971 P	21.	22.	24.	26.	28.	27.	27.	14.				
8972 NP	12.	14.	11.	11.	14.	12.	15.	0.	12.	15.	10.	11.
8973 P	19.	21.	25.	25.	24.	23.	18.	20.				
8974 P	14.	16.	20.	19.	28.	19.	24.	21.				
8975 P	21.	19.	25.	29.	20.	23.	22.	19.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C28 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY
8801	52.	106.	125.	212.
8803	88.	123.	142.	268.
8804	141.	163.	167.	270.
8805	52.	78.	137.	b
8807	54.	159.	165.	252.
8808	56.	91.	117.	209.
8811	92.	127.	156.	223.
8812	c	127.	155.	255.
8813	81.	98.	132.	229.
8814	87.	117.	155.	218.
8817	NOT PREGNANT			
8818	NOT PREGNANT			
8819	76.	121.	146.	234.
8821	89.	106.	130.	206.
8823	75.	110.	135.	220.
8824	81.	98.	116.	238.
8826	59.	115.	b	211.
8827	62.	61.	113.	205.
8828	59.	116.	145.	225.
8830	79.	107.	131.	209.
8831	54.	114.	149.	245.
8832	81.	110.	146.	198.
8833	86.	98.	155.	227.
8834	72.	104.	136.	216.
8835	102.	140.	161.	241.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Wet feed precluded the calculation of this value.

000391

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C28 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

	DAYS 1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY
8838	84.	98.	139.	226.
8840	55.	127.	123.	225.
8841	64.	111.	147.	230.
8842	72.	87.	122.	210.
8845	62.	95.	130.	220.
8846	82.	159.	153.	257.
8847	64.	94.	117.	152.
8849	51.	99.	129.	221.
8851	86.	104.	140.	244.
8852	69.	120.	146.	228.
8853	82.	119.	132.	229.
8854	b	143.	165.	262.
8855	98.	121.	128.	219.
8857	63.	99.	142.	246.
8858	74.	116.	134.	233.
8860	56.	104.	113.	244.
8862	96.	130.	143.	255.
8863	87.	118.	144.	188.
8864	60.	103.	140.	219.
8865	68.	117.	135.	205.
8866	68.	117.	109.	215.
8867	81.	123.	116.	255.
8868	61.	105.	142.	236.
8869	68.	100.	132.	220.
8870	80.	110.	142.	228.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.

000392

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C28 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

	DAYS 1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP III		0.4 MG/KG/DAY	
8871	NOT PREGNANT			
8872	80.	133.	154.	247.
8874	79.	107.	136.	163.
8875	80.	113.	126.	213.
8876	67.	100.	125.	183.
8881	53.	96.	125.	214.
8882	66.	95.	164.	249.
8885	61.	114.	120.	196.
8889	65.	101.	127.	196.
8890	49.	68.	123.	215.
8891	74.	111.	136.	218.
8892	63.	99.	133.	209.
8893	47.	115.	146.	204.
8894	52.	72.	102.	124.
8895	71.	100.	138.	206.
8896	64.	123.	156.	269.
8897	b	166.	161.	266.
8898	46.	84.	120.	148.
8899	91.	169.	135.	249.
8900	62.	126.	145.	235.
8901	63.	c	127.	229.
8902	59.	84.	143.	231.
8903	NOT PREGNANT			
8904	NOT PREGNANT			
8905	95.	b	151.	249.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.
c. Value was not recorded.

000393

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C28 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP IV		1.6 MG/KG/DAY	
8906	44.	85.	110.	202.
8909	71.	98.	121.	200.
8913	57.	104.	109.	195.
8914	NOT PREGNANT			
8918	NOT PREGNANT			
8919	54.	122.	114.	204.
8920	42.	74.	83.	150.
8921	50.	109.	131.	209.
8923	NOT PREGNANT			
8925	46.	86.	129.	198.
8926	32.	58.	67.	122.
8927	41.	66.	74.	117.
8928	65.	95.	120.	203.
8929	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8930	55.	102.	120.	229.
8931	44.	66.	83.	148.
8932	50.	72.	119.	184.
8933	NOT PREGNANT			
8934	36.	68.	111.	190.
8935	55.	94.	118.	199.
8936	39.	NO SURVIVING PUPS ON DAY 4 OF LACTATION		
8937	39.	102.	141.	218.
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY			
8939	43.	53.	82.	147.
8940	77.	107.	144.	258.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C28 (PAGE 5): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP V		3.2 MG/KG/DAY	
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8945	NOT PREGNANT			
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8952	NOT PREGNANT			
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8957	NOT PREGNANT			
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8972	NOT PREGNANT			
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION			
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION			
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION			

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.

000395

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C29 (PAGE 1): ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION	RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION
DOSAGE GROUP I	0 (VEHICLE) MG/KG/DAY				
8801	7	2	8819	-	3
8802	6	1	8820	-	1
8803	-	2	8821	-	2
8804	-	3	8822	6	1
8805	6a	7	8823	-	4
8806	-	1	8824	6a	4
8807	7	2	8825	8	1
8808	-	2	8826	-	4
8809	7	1	8827	-	7
8810	7	1	8828	7	2
8811	-	4	8829	7	1
8812	-	14b	8830	-	3
8813	-	3	8831	-	4
8814	7	3	8832	6a	3
8815	-	1	8833	-	1
8816	-	1	8834	6	4
8817	5c	7	8835	-	4
8818	-	3			

a. Six or more consecutive days of diestrus observed.
b. No confirmed mating date.
c. Six or more consecutive days of estrus observed.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C29 (PAGE 2): ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA Fo GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION	RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION
DOSAGE GROUP II	0.1 MG/KG/DAY				
8836	-	1	8854	-	4
8837	-	1	8855	-	4
8838	-	3	8856	7	1
8839	7	1	8857	-	4
8840	6a	3	8858	-	4
8841	-	5	8859	-	1
8842	-	2	8860	-	4
8843	7	1	8861	-	1
8844	-	1	8862	6	3
8845	-	3	8863	6a	3
8846	7	3	8864	8	1
8847	-	3	8865	-	4
8848	5	1	8866	-	2
8849	7	4	8867	-	3
8850	-	1	8868	5a	3
8851	7	4	8869	-	4
8852	7	4	8870	7	1
8853	6a	3			

a. Six or more consecutive days of diestrus observed.

000397

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C29 (PAGE 3): ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION	RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION
DOSAGE GROUP III	0.4 MG/KG/DAY				
8871	-	14a	8889	7	14
8872	-	1	8890	-	1
8873	-	1	8891	6b	4
8874	-	3	8892	5	5
8875	-	4	8893	-	1
8876	-	4	8894	-	1
8877	6	1	8895	-	1
8878	-	1	8896	6b	4
8879	-	1	8897	-	4
8880	-	1	8898	-	3
8881	6	4	8899	5b	4
8882	-	4	8900	5	4
8883	-	1	8901	6b	4
8884	3c	1	8902	6	1
8885	7	4	8903	-	1
8886	3b	1	8904	7	1
8887	-	1	8905	7	1
8888	-	1			

a. Mating not confirmed.
b. Six or more consecutive days of diestrus observed.
c. Six or more consecutive days of estrus observed.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C29 (PAGE 4): ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION	RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION
DOSAGE GROUP IV	1.6 MG/KG/DAY				
8906	6a	14b	8924	-	1
8907	-	1	8925	6	1
8908	7	1	8926	-	3
8909	5	4	8927	6	1
8910	-	1	8928	6	3
8911	7	1	8929	6	3
8912	-	1	8930	-	14b
8913	-	4	8931	-	4
8914	6	3	8932	-	1
8915	6	1	8933	4a	2
8916	-	1	8934	6	2
8917	7	1	8935	-	3
8918	-	4	8936	-	3
8919	-	3	8937	-	1
8920	-	4	8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY	
8921	-	2	8939	7	14b
8922	7	1	8940	-	2
8923	-	3			

a. Six or more consecutive days of diestrus observed.
b. No confirmed mating date.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C29 (PAGE 5): ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA Fo GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION	RAT #	PRECOHABITATION ESTROUS STAGES/ 28 DAYS	DAYS IN COHABITATION
DOSAGE GROUP V	3.2 MG/KG/DAY				
8941	-	1	8959	-	13
8942	6	13	8960	-	5
8943	-	4	8961	7	4
8944	7	4	8962	-	2
8945	-	2	8963	6	1
8946	7	12	8964	-	3
8947	8	1	8965	8	1
8948	6	1	8966	-	1
8949	6	3	8967	6	2
8950	-	4	8968	7	4
8951	6	1	8969	-	2
8952	-	2	8970	7	3
8953	7	1	8971	-	1
8954	-	1	8972	-	1
8955	-	2	8973	-	2
8956	-	3	8974	-	3
8957	-	4	8975	-	4
8958	7	1			

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a	LIVER WEIGHT (G)
I 0 (VEHICLE)	8801	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8802	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	12.59
	8803	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8804	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8805	DL 21	P	90	ALL TISSUES APPEARED NORMAL.	
	8806	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8807	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8808	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	14.29
	8809	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	14.20
	8810	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8811	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8812	DL 21	P	88	ALL TISSUES APPEARED NORMAL.	
	8813	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8814	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8815	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8816	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8817	DG 25	NP	73	ALL TISSUES APPEARED NORMAL.	
	8818	DG 25	NP	69	ALL TISSUES APPEARED NORMAL.	
	8819	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8820	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8821	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8822	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	15.65
	8823	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8824	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8825	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8826	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8827	DL 21	P	90	ALL TISSUES APPEARED NORMAL.	
	8828	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8829	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8830	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8831	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8832	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8833	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8834	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	15.77
	8835	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a	LIVER WEIGHT (G)
II						
0.1	8836	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8837	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8838	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8839	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	14.06
	8840	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8841	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	15.15
	8842	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8843	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	13.72
	8844	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8845	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8846	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8847	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8848	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8849	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8850	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8851	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8852	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8853	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8854	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8855	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8856	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8857	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8858	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8859	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8860	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8861	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8862	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8863	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8864	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8865	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	15.01
	8866	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8867	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8868	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8869	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8870	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	15.18

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a	LIVER WEIGHT (G)
III						
0.4	8871	DS 81	NP	80	ALL TISSUES APPEARED NORMAL.	
	8872	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8873	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8874	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8875	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8876	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8877	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8878	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8879	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8880	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8881	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8882	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8883	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8884	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8885	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8886	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8887	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8888	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8889	DL 21	P	95	ALL TISSUES APPEARED NORMAL.	
	8890	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8891	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	18.44
	8892	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8893	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8894	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	15.46
	8895	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8896	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	16.06
	8897	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8898	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8899	DL 21	P	86	KIDNEYS: RIGHT, PELVIS, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL.	
	8900	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8901	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8902	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	
	8903	DG 25	NP	67	ALL TISSUES APPEARED NORMAL.	17.53
	8904	DG 25	NP	67	ALL TISSUES APPEARED NORMAL.	
	8905	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	16.54

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a	LIVER WEIGHT (G)
IV						
1.6	8906	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8907	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.	
	8908	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8909	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8910	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8911	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8912	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8913	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8914	DG 25	NP	69	ALL TISSUES APPEARED NORMAL.	
	8915	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8916	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8917	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8918	DG 25	NP	70	ALL TISSUES APPEARED NORMAL.	
	8919	DL 21	P	84	SPLEEN: ADHERED TO ABDOMINAL ADIPOSE TISSUE. ALL OTHER TISSUES APPEARED NORMAL.	17.51
	8920	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8921	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	17.39
	8922	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8923	DG 25	NP	69	ALL TISSUES APPEARED NORMAL.	
	8924	DG 10	P	52	ALL TISSUES APPEARED NORMAL.	
	8925	DL 21	P	83	ALL TISSUES APPEARED NORMAL.	
	8926	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	13.75
	8927	DL 21	P	82	ALL TISSUES APPEARED NORMAL.	
	8928	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8929	DL 2	P	67	ALL TISSUES APPEARED NORMAL.	
	8930	DL 21	P	86	ALL TISSUES APPEARED NORMAL.	
	8931	DL 21	P	87	ALL TISSUES APPEARED NORMAL.	
	8932	DL 21	P	82	ALL TISSUES APPEARED NORMAL.	
	8933	DG 25	NP	68	ALL TISSUES APPEARED NORMAL.	
	8934	DL 21	P	83	ALL TISSUES APPEARED NORMAL.	16.24
	8935	DL 21	P	85	ALL TISSUES APPEARED NORMAL.	
	8936	DL 4	P	69	ALL TISSUES APPEARED NORMAL.	
	8937	DL 21	P	84	ALL TISSUES APPEARED NORMAL.	17.31

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
IV (Cont.)					
1.6	8938	DS 36	P	35	MORIBUND SACRIFICED ON DAY 36 OF STUDY. ALL TISSUES APPEARED NORMAL.
	8939	DL 21	P	87	ALL TISSUES APPEARED NORMAL.
	8940	DL 21	P	84	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C30 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
V					
3.2	8941	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8942	DL 1	P	76	ALL TISSUES APPEARED NORMAL.
	8943	DL 1	P	66	ALL TISSUES APPEARED NORMAL.
	8944	DL 1	P	66	ALL TISSUES APPEARED NORMAL.
	8945	DG 25	NP	68	ALL TISSUES APPEARED NORMAL.
	8946	DL 2	P	74	ALL TISSUES APPEARED NORMAL.
	8947	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8948	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8949	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8950	DL 1	P	66	ALL TISSUES APPEARED NORMAL.
	8951	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8952	DG 25	NP	67	ALL TISSUES APPEARED NORMAL.
	8953	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8954	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8955	DL 1	P	64	ALL TISSUES APPEARED NORMAL.
	8956	DL 1	P	66	ALL TISSUES APPEARED NORMAL.
	8957	DG 25	NP	70	ALL TISSUES APPEARED NORMAL.
	8958	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8959	DL 2	P	76	ALL TISSUES APPEARED NORMAL.
	8960	DL 1	P	68	ALL TISSUES APPEARED NORMAL.
	8961	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8962	DL 1	P	65	ALL TISSUES APPEARED NORMAL.
	8963	DG 10	NP	52	ALL TISSUES APPEARED NORMAL.
	8964	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8965	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8966	DG 10	P	52	ALL TISSUES APPEARED NORMAL.
	8967	DL 1	P	63	ALL TISSUES APPEARED NORMAL.
	8968	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8969	DL 1	P	65	ALL TISSUES APPEARED NORMAL.
	8970	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8971	DL 1	P	63	ALL TISSUES APPEARED NORMAL.
	8972	DG 25	NP	67	ALL TISSUES APPEARED NORMAL.
	8973	DL 2	P	66	ALL TISSUES APPEARED NORMAL.
	8974	DL 1	P	66	ALL TISSUES APPEARED NORMAL.
	8975	DL 1	P	67	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table C22) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C31 (PAGE 1): CAESAREAN-SECTIONING OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

	VIABLE EMBRYOS			NONVIABLE EMBRYOS			IMPLANTATION SITES			CORPORA LUTEA		
RAT #	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT OVARY	LEFT OVARY	TOTAL
8802	8	9	17	0	0	0	8	9	17	8	10	18
8806	5	11	16	0	0	0	5	11	16	11	11	22
8809	8	5	13	0	0	0	8	5	13	8	5	13
8810	6	8	14	0	0	0	6	8	14	10	9	19
8815	4	6	10	2	0	2	6	6	12	7	7	14
8816	9	4	13	0	0	0	9	4	13	9	5	14
8820	5	9	14	0	0	0	5	9	14	6	9	15
8822	3	1	4	0	0	0	3	1	4	5	6	11
8825	10	3	13	0	0	0	10	3	13	12	8	20
8829	12	7	19	0	0	0	12	7	19	13	7	20

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C31 (PAGE 2): CAESAREAN-SECTIONING OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT #	VIABLE EMBRYOS			NONVIABLE EMBRYOS			IMPLANTATION SITES			CORPORA LUTEA		
	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT OVARY	LEFT OVARY	TOTAL
8836	4	4	8	0	0	0	4	4	8	4	5	9
8837	11	6	17	0	0	0	11	6	17	11	7	18
8839	9	7	16	0	0	0	9	7	16	11	9	20
8843	6	9	15	0	0	0	6	9	15	9	9	18
8844	6	8	14	0	0	0	6	8	14	11	8	19
8848	5	7	12	0	0	0	5	7	12	6	10	16
8850	NOT PREGNANT											
8856	NOT PREGNANT											
8859	1	0	1	0	0	0	1	0	1	2	0	2
8861	NOT PREGNANT											

000408

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C31 (PAGE 3): CAESAREAN-SECTIONING OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

	VIABLE EMBRYOS			NONVIABLE EMBRYOS			IMPLANTATION SITES			CORPORA LUTEA		
RAT #	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT OVARY	LEFT OVARY	TOTAL
8873	8	7	15	0	0	0	8	7	15	9	7	16
8877	4	9	13	0	0	0	4	9	13	4	9	13
8878	NOT PREGNANT											
8879	NOT PREGNANT											
8880	7	6	13	0	0	0	7	6	13	8	10	18
8883	NOT PREGNANT											
8884	1	0	1	0	0	0	1	0	1	6	1	7
8886	NOT PREGNANT											
8887	9	6	15	0	0	0	9	6	15	10	8	18
8888	12	4	16	0	0	0	12	4	16	12	5	17

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C31 (PAGE 4): CAESAREAN-SECTIONING OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT #	VIABLE EMBRYOS			NONVIABLE EMBRYOS			IMPLANTATION SITES			CORPORA LUTEA		
	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT OVARY	LEFT OVARY	TOTAL
8907	NOT PREGNANT											
8908	4	9	13	0	0	0	4	9	13	4	11	15
8910	10	3	13	0	0	0	10	3	13	13	6	19
8911	9	8	17	0	0	0	9	8	17	10	9	19
8912	9	6	15	0	0	0	9	6	15	9	6	15
8915	10	8	18	1	0	1	11	8	19	11	12	23
8916	5	6	11	0	0	0	5	6	11	6	7	13
8917	5	6	11	0	0	0	5	6	11	8	9	17
8922	7	6	13	0	0	0	7	6	13	7	6	13
8924	4	0	4	0	0	0	4	0	4	5	2	7

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C31 (PAGE 5): CAESAREAN-SECTIONING OBSERVATIONS - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS

DOSAGE GROUP V 3.2 MG/KG/DAY

	VIABLE EMBRYOS			NONVIABLE EMBRYOS			IMPLANTATION SITES			CORPORA LUTEA		
RAT #	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT HORN	LEFT HORN	TOTAL	RIGHT OVARY	LEFT OVARY	TOTAL
8941	9	7	16	0	0	0	9	7	16	10	9	19
8947	13	3	16	0	0	0	13	3	16	16	4	20
8948	7	6	13	0	0	0	7	6	13	8	8	16
8951	9	4	13	0	0	0	9	4	13	9	6	15
8953	5	8	13	0	0	0	5	8	13	5	8	13
8954	2	1	3	0	0	0	2	1	3	6	4	10
8958	6	8	14	0	0	0	6	8	14	8	10	18
8963	NOT PREGNANT											
8965	7	8	15	0	0	0	7	8	15	8	8	16
8966	9	6	15	0	0	0	9	6	15	10	9	19

000411

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C32 (PAGE 1): LITTER OBSERVATIONS (CAESAREAN-DELIVERED EMBRYOS) - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

	NUMBER OF LIVE EMBRYOS	---- CONCEPTUSES ------ NONVIABLE		
RAT #	TOTAL	N	N	%
8802	17	17	0	0.0
8806	16	16	0	0.0
8809	13	13	0	0.0
8810	14	14	0	0.0
8815	10	12	2	16.7
8816	13	13	0	0.0
8820	14	14	0	0.0
8822	4	4	0	0.0
8825	13	13	0	0.0
8829	19	19	0	0.0

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C32 (PAGE 2): LITTER OBSERVATIONS (CAESAREAN-DELIVERED EMBRYOS) - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP II 0.1 MG/KG/DAY

	NUMBER OF LIVE EMBRYOS	---- CONCEPTUSES ------ NONVIABLE		
RAT #	TOTAL	N	N	%
8836	8	8	0	0.0
8837	17	17	0	0.0
8839	16	16	0	0.0
8843	15	15	0	0.0
8844	14	14	0	0.0
8848	12	12	0	0.0
8850	NOT PREGNANT			
8856	NOT PREGNANT			
8859	1	1	0	0.0
8861	NOT PREGNANT			

000413

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C32 (PAGE 3): LITTER OBSERVATIONS (CAESAREAN-DELIVERED EMBRYOS) - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP III 0.4 MG/KG/DAY

	NUMBER OF LIVE EMBRYOS	---- CONCEPTUSES ------ NONVIABLE		
RAT #	TOTAL	N	N	%
8873	15	15	0	0.0
8877	13	13	0	0.0
8878	NOT PREGNANT			
8879	NOT PREGNANT			
8880	13	13	0	0.0
8883	NOT PREGNANT			
8884	1	1	0	0.0
8886	NOT PREGNANT			
8887	15	15	0	0.0
8888	16	16	0	0.0

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C32 (PAGE 4): LITTER OBSERVATIONS (CAESAREAN-DELIVERED EMBRYOS) - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT #	NUMBER OF LIVE EMBRYOS TOTAL	CONCEPTUSES NONVIABLE N	N	%
8907	NOT PREGNANT			
8908	13	13	0	0.0
8910	13	13	0	0.0
8911	17	17	0	0.0
8912	15	15	0	0.0
8915	18	19	1	5.3
8916	11	11	0	0.0
8917	11	11	0	0.0
8922	13	13	0	0.0
8924	4	4	0	0.0

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C32 (PAGE 5): LITTER OBSERVATIONS (CAESAREAN-DELIVERED EMBRYOS) - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP V 3.2 MG/KG/DAY

RAT #	NUMBER OF LIVE EMBRYOS TOTAL	CONCEPTUSES NONVIABLE N	CONCEPTUSES NONVIABLE N	CONCEPTUSES NONVIABLE %
8941	16	16	0	0.0
8947	16	16	0	0.0
8948	13	13	0	0.0
8951	13	13	0	0.0
8953	13	13	0	0.0
8954	3	3	0	0.0
8958	14	14	0	0.0
8963	NOT PREGNANT			
8965	15	15	0	0.0
8966	15	15	0	0.0

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C33 (PAGE 1): EMBRYONAL VITAL STATUS INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT #	CLs	EMBRYO # 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8802	8/10	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A	A	A						
8806	11/11	A	A	A	A	A /	A	A	A	A	A	A	A	A	A	A	A							
8809	8/ 5	A	A	A	A	A	A	A	A /	A	A	A	A	A										
8810	10/ 9	A	A	A	A	A	A /	A	A	A	A	A	A	A	A									
8815	7/ 7	A	E	E	A	A	A /	A	A	A	A	A	A											
8816	9/ 5	A	A	A	A	A	A	A	A	A /	A	A	A	A										
8820	6/ 9	A	A	A	A	A /	A	A	A	A	A	A	A	A	A									
8822	5/ 6	A	A	A /	A																			
8825	12/ 8	A	A	A	A	A	A	A	A	A	A /	A	A	A										
8829	13/ 7	A	A	A	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A				

A = VIABLE EMBRYO E = NONVIABLE EMBRYO "/" DENOTES POSITION OF CERVIX
CLs = CORPORA LUTEA/OVARY

000417

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C33 (PAGE 2): EMBRYONAL VITAL STATUS - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP II 0.1 MG/KG/DAY

EMBRYO #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT # CLs																							
8836 4/ 5	A	A	A	A /	A	A	A	A															
8837 11/ 7	A	A	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A						
8839 11/ 9	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A							
8843 9/ 9	A	A	A	A	A	A /	A	A	A	A	A	A	A	A	A								
8844 11/ 8	A	A	A	A	A	A /	A	A	A	A	A	A	A	A									
8848 6/10	A	A	A	A	A /	A	A	A	A	A	A	A											
8850	NOT PREGNANT																						
8856	NOT PREGNANT																						
8859 2/ 0	A /																						
8861	NOT PREGNANT																						

A = VIABLE EMBRYO E = NONVIABLE EMBRYO "/" DENOTES POSITION OF CERVIX
CLs = CORPORA LUTEA/OVARY

000418

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C33 (PAGE 3): EMBRYONAL VITAL STATUS - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT #	CLs	EMBRYO # 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8873	9/ 7	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A								
8877	4/ 9	A	A	A	A /	A	A	A	A	A	A	A	A	A										
8878		NOT PREGNANT																						
8879		NOT PREGNANT																						
8880	8/10	A	A	A	A	A	A	A /	A	A	A	A	A	A										
8883		NOT PREGNANT																						
8884	6/ 1	A /																						
8886		NOT PREGNANT																						
8887	10/ 8	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A								
8888	12/ 5	A	A	A	A	A	A	A	A	A	A	A	A /	A	A	A	A							

A = VIABLE EMBRYO E = NONVIABLE EMBRYO "/" DENOTES POSITION OF CERVIX
CLs = CORPORA LUTEA/OVARY

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C33 (PAGE 4): EMBRYONAL VITAL STATUS - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP IV 1.6 MG/KG/DAY

EMBRYO #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT # CLs																							
8907	NOT PREGNANT																						
8908 4/11	A	A	A	A /	A	A	A	A	A	A	A	A	A										
8910 13/ 6	A	A	A	A	A	A	A	A	A	A /	A	A	A										
8911 10/ 9	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A	A						
8912 9/ 6	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A								
8915 11/12	E	A	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A	A				
8916 6/ 7	A	A	A	A	A /	A	A	A	A	A	A												
8917 8/ 9	A	A	A	A	A /	A	A	A	A	A	A												
8922 7/ 6	A	A	A	A	A	A	A /	A	A	A	A	A	A										
8924 5/ 2	A	A	A	A /																			

A = VIABLE EMBRYO E = NONVIABLE EMBRYO "/" DENOTES POSITION OF CERVIX
CLs = CORPORA LUTEA/OVARY

000420

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C33 (PAGE 5): EMBRYONAL VITAL STATUS - INDIVIDUAL DATA - F1 GENERATION LITTERS

DOSAGE GROUP V — 3.2 MG/KG/DAY

RAT #	CLs	EMBRYO # 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8941	10/ 9	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A	A							
8947	16/ 4	A	A	A	A	A	A	A	A	A	A	A	A	A /	A	A	A							
8948	8/ 8	A	A	A	A	A	A	A /	A	A	A	A	A	A										
8951	9/ 6	A	A	A	A	A	A	A	A	A /	A	A	A	A										
8953	5/ 8	A	A	A	A	A /	A	A	A	A	A	A	A	A										
8954	6/ 4	A	A /	A																				
8958	8/10	A	A	A	A	A	A /	A	A	A	A	A	A	A	A									
8963		NOT PREGNANT																						
8965	8/ 8	A	A	A	A	A	A	A /	A	A	A	A	A	A	A	A								
8966	10/ 9	A	A	A	A	A	A	A	A	A /	A	A	A	A	A	A								

A = VIABLE EMBRYO E = NONVIABLE EMBRYO "/" DENOTES POSITION OF CERVIX
CLs = CORPORA LUTEA/OVARY

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C34 (PAGE 1): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
8801	23	9	1	10	6	3	6	3	5	3	5	3	5	3	5	3	13
8803	23	12	1	13	7	5	7	5	4	4	4	4	4	4	4	4	15
8804	23	15	0	15	6	9	6	9	4	4	4	4	4	4	4	4	16
8805	23	17(1)	0	17	4	12	4	11	4	4	4	4	4	4	4	4	17
8807	23	13	0	13	8	5	8	5	4	4	4	4	4	4	4	4	14
8808	23	9	1	10	3	6	3	6	3	5	3	5	3	5	3	5	10
8811	23	12	0	12	6	6	6	6	4	4	4	4	4	4	4	4	14
8812	c	17	0	17	4	13	4	13	4	4	4	4	4	4	4	4	18
8813	22	12	0	12	3	9	3	9	3	5	3	5	3	5	3	5	13
8814	23	13	0	13	7	6	7	6	4	4	4	4	4	4	4	4	13
8817	NOT PREGNANT																
8818	NOT PREGNANT																
8819	23	12	0	12	3	9	3	9	3	5	3	5	3	5	3	5	14
8821	23	14	0	14	7	7	7	6	3	5	3	5	3	5	3	5	14
8823	22	12	0	12	7	5	7	5	4	4	4	4	4	4	4	4	12
8824	22	15	0	15	9	6	9	6	4	4	4	4	4	4	4	4	16
8826	22	13	0	13	5	8	5	8	4	4	4	4	4	4	4	4	13
8827	23	14	0	14	5	9	5	9	4	4	4	4	4	4	4	4	16
8828	23	12	3	15	2	10	2	10	2	6	2	6	2	6	2	6	16
8830	23	16	0	16	11	5	11	5	4	4	4	4	4	4	4	4	16
8831	22	15	0	15	10	5	10	5	4	4	4	4	4	4	4	4	16
8832	23	17	0	17	6	11	6	11	4	4	4	4	4	4	4	4	17
8833	23	15(1)	0	15	8	6	8	6	4	4	4	4	4	4	4	4	16
8834	23	13	1	17[3]	6	7	6	7	4	4	4	4	4	4	4	4	17
8835	23	16	0	16	12	4	12	4	7	1	7	1	7	1	7	1	16

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
[ ] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.
a. Number of live pups preculling.
b. Number of live pups postculling.
c. No confirmed mating date.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C34 (PAGE 2): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
8838	22	17	0	17	10	7	10	7	4	4	4	4	4	4	4	4	19
8840	23	19(1)	0	19	12	6	12	6	4	4	4	4	4	4	4	4	19
8841	23	14	0	14	9	5	9	5	4	4	4	4	4	4	4	4	14
8842c	23	15	0	15	5	10	5	10	4	4	4	4	4	4	4	4	15
8845	23	13(1)	0	13	3	9	3	8	3	5	3	5	3	5	3	5	15
8846	23	15	0	15	8	7	8	7	4	4	4	4	4	4	4	4	16
8847	23	14	0	14	9	5	9	5	4	4	4	4	4	4	4	4	15
8849	22	17	0	17	10	7	10	6	4	4	4	4	4	4	4	4	18
8851	23	15(1)	0	15	5	9	5	9	4	4	4	4	4	4	4	4	16
8852	23	10	0	12[2]	7	3	7	3	5	3	5	3	5	3	5	3	12
8853	23	19	0	19	13	6	13	6	4	4	4	4	4	4	4	4	19
8854	23	14	0	14	8	6	8	6	4	4	4	4	4	4	4	4	15
8855	23	15	0	15	5	10	5	10	4	4	4	4	4	4	4	4	18
8857	23	15	0	15	9	6	9	6	4	4	4	4	4	4	4	4	15
8858	23	10	1	11	2	8	2	8	2	6	2	6	2	6	2	6	13
8860	23	15	0	15	7	8	7	8	4	4	4	4	4	4	4	4	15
8862	23	14	0	14	7	7	7	7	4	4	4	4	4	4	4	4	16
8863	22	16	0	16	12	4	12	4	4	4	4	4	4	4	4	4	16
8864	23	10	0	10	5	5	5	5	4	4	4	4	4	4	4	4	11
8865	22	14	0	14	10	4	10	4	4	4	4	4	4	4	4	4	14
8866	23	16	0	16	9	7	9	7	4	4	4	4	4	4	4	4	16
8867	23	13	0	13	5	8	5	8	4	4	4	4	4	4	4	4	14
8868	22	14	0	14	8	6	7	6	4	4	4	4	4	4	4	4	14
8869	23	16	1	17	11	5	11	5	4	4	4	4	4	4	4	4	17
8870	23	11	0	11	5	6	5	6	4	4	4	4	4	4	4	4	12

M = MALE F = FEMALE

( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.

[ ] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.

a. Number of live pups preculling.

b. Number of live pups postculling.

c. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 postpartum excluded from group averages and statistical analyses.

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C34 (PAGE 3): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
8871	NOT PREGNANT																
8872	23	13	1	14	8	5	8	5	4	4	4	4	4	4	4	4	16
8874c	22	15	0	15	11	4	11	4	4	4	5	3	5	3	5	3	17
8875	22	13	0	13	9	4	9	4	4	4	4	4	4	4	4	4	14
8876	23	7(1)	0	7	3	3	3	3	3	3	3	3	3	3	3	3	7
8881	23	14	0	14	5	9	5	9	4	4	4	4	4	4	4	4	15
8882	23	17	0	17	8	9	8	9	4	4	4	4	4	4	4	4	17
8885	23	14	2	16	9	5	9	5	5	3	5	3	5	3	5	3	16
8889	22	14	0	14	9	5	9	5	4	4	4	4	4	4	4	4	14
8890	23	12	0	12	5	7	5	7	4	4	4	4	4	4	4	4	15
8891	21	15	0	15	6	9	6	9	4	4	4	4	4	4	4	4	15
8892	22	12	0	12	6	6	6	6	4	4	4	4	4	4	4	4	14
8893	23	13	0	13	8	5	8	5	4	4	4	4	4	4	4	2	14
8894	24	3	0	3	2	1	2	1	2	1	2	1	2	1	2	1	3
8895	23	17	0	17	9	8	9	7	4	4	4	4	4	4	4	4	17
8896d	22	14	0	14	8	6	8	6	4	4	4	4	4	4	4	4	15
8897d	22	14	0	14	5	9	5	9	4	4	4	4	4	4	4	4	15
8898	23	12	1	13	8	4	8	4	4	4	4	4	4	4	4	4	14
8899c	22	16	0	16	8	8	8	8	4	4	5	3	4	3	4	3	18
8900	23	15	1	16	6	9	6	8	4	4	4	4	4	4	4	4	17
8901	23	13	0	13	5	8	5	8	3	5	3	5	3	5	3	5	15
8902	23	15	1	16	7	8	7	7	4	4	4	4	4	4	4	4	16
8903	NOT PREGNANT																
8904	NOT PREGNANT																
8905	22	19	0	19	8	11	8	10	4	4	4	4	4	4	4	4	19

M = MALE F = FEMALE

( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.

a. Number of live pups preculling.

b. Number of live pups postculling.

c. A sexing error was found prior to weighing on day 7 postpartum; values for day 4 postpartum postculling were excluded from group averages and statistical analyses.

d. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C34 (PAGE 4): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
8906	c	14(1)	0	14	8	5	6	4	4	4	4	4	4	4	4	4	
8909	22	11	0	11	4	7	4	7	4	4	4	4	4	4	4	4	15
8913	22	12	0	12	5	7	4	7	4	4	4	4	4	4	4	4	11
8914	NOT PREGNANT																13
8918	NOT PREGNANT																
8919	22	16	0	16	10	6	10	5	4	4	4	4	4	4	4	4	
8920	23	9(1)	0	9	6	2	5	1	5	1	5	1	5	1	5	1	16
8921	23	11	2	13	9	2	8	2	6	2	6	2	6	2	6	2	13
8923	NOT PREGNANT																14
8925	22	12	0	12	2	10	1	8	1	7	1	7	1	6	1	6	
8926	22	12	0	12	3	9	1	3	1	3	1	3	1	3	1	3	16
8927	22	17	0	17	6	11	3	5	3	5	-	2	-	2	-	2	15
8928	23	12	0	12	7	5	7	5	4	4	4	4	4	4	4	4	18
8929	23	8	0	8	6	2	-	-	-	-	-	-	-	-	-	-	13
8930	c	15(5)	0	15	7	3	7	3	5	3	5	3	5	3	5	3	15
8931	22	11(7)	0	11	4	-	4	-	4	-	4	-	4	-	4	-	15
8932	22	17	0	17	11	6	7	4	4	4	4	4	4	4	4	4	12
8933	NOT PREGNANT																17
8934	22	13	0	13	7	6	6	4	4	4	4	4	4	4	4	4	
8935	22	12	0	12	7	5	6	5	4	4	4	4	4	4	4	4	14
8936	23	15(4)	1	16	7	4	-	-	-	-	-	-	-	-	-	-	15
8937	23	9	2	11	5	4	5	3	5	3	5	3	5	3	5	3	16
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																16
8939	c	13(8)	0	13	3	2	3	2	3	2	3	2	3	2	3	2	
8940	22	15(1)	1	16	9	5	8	5	4	4	4	4	4	4	4	4	15
																	16

M = MALE F = FEMALE

( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.

a. Number of live pups preculling.

b. Number of live pups postculling.

c. No confirmed mating date.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C34 (PAGE 5): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - Fo GENERATION FEMALE RATS/F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP V 3.2 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
8942	23	6(6)	0	6	-	-	-	-	-	-	-	-	-	-	-	-	13
8943	22	2(2)	4	6	-	-	-	-	-	-	-	-	-	-	-	-	11
8944	22	3(3)	2	5	-	-	-	-	-	-	-	-	-	-	-	-	10
8945	NOT PREGNANT																
8946	22	9	3	12	4	5	-	-	-	-	-	-	-	-	-	-	12
8949	22	12	0	12	6	6	-	-	-	-	-	-	-	-	-	-	12
8950	22	4(4)	2	6	-	-	-	-	-	-	-	-	-	-	-	-	10
8952	NOT PREGNANT																
8955	22	7(7)	2	9	-	-	-	-	-	-	-	-	-	-	-	-	11
8956	22	13(2)	0	13	6	5	-	-	-	-	-	-	-	-	-	-	13
8957	NOT PREGNANT																
8959	22	10(2)	3	13	4	4	-	-	-	-	-	-	-	-	-	-	13
8960	23	4(4)	9	13	-	-	-	-	-	-	-	-	-	-	-	-	14
8961	22	11(1)	3	14	6	4	-	-	-	-	-	-	-	-	-	-	14
8962	22	1(1)	3	4	-	-	-	-	-	-	-	-	-	-	-	-	14
8964	22	13(3)	1	14	8	2	-	-	-	-	-	-	-	-	-	-	14
8967	22	0	8	9[1]	-	-	-	-	-	-	-	-	-	-	-	-	12
8968	22	4(2)	6	10	-	2	-	-	-	-	-	-	-	-	-	-	11
8969	22	5(5)	0	5	-	-	-	-	-	-	-	-	-	-	-	-	15
8970	22	9	2	11	5	4	-	-	-	-	-	-	-	-	-	-	12
8971	22	13	0	13	7	6	-	-	-	-	-	-	-	-	-	-	13
8972	NOT PREGNANT																
8973	23	10(9)	1	11	1	-	-	-	-	-	-	-	-	-	-	-	13
8974	23	8(8)	3	11	-	-	-	-	-	-	-	-	-	-	-	-	12
8975	22	12(12)	0	12	-	-	-	-	-	-	-	-	-	-	-	-	13

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
[ ] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.
a. Number of live pups preculling.
b. Number of live pups postculling.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C35 (PAGE 1): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
8801	7.2	6.7	7.0	10.1	9.8	10.0	10.1	9.8	10.0	15.3	14.9	15.1	31.3	30.1	30.9	46.7	45.8	46.3
8803	6.9	6.8	6.8	10.2	10.5	10.3	10.0	10.7	10.3	15.3	16.2	15.8	29.8	33.4	31.6	49.8	49.2	49.4
8804	7.5	6.6	6.9	9.7	9.0	9.3	10.0	9.7	9.8	14.8	14.7	14.7	34.8	32.8	33.8	56.1	53.2	54.7
8805	5.7	5.3	5.4	7.2	6.6	6.7	7.2	6.8	7.0	10.1	9.3	9.7	27.6	23.9	25.7	46.6	39.4	43.0
8807	7.3	6.9	7.2	9.9	9.2	9.6	10.0	9.1	9.5	15.5	14.2	14.9	34.0	31.9	33.0	54.3	50.2	52.3
8808	7.1	7.0	7.1	9.9	9.6	9.7	9.9	9.8	9.8	14.5	14.5	14.5	29.1	28.8	28.9	49.0	48.5	48.7
8811	7.9	7.5	7.7	11.4	11.0	11.2	11.6	11.4	11.5	17.6	17.1	17.3	35.5	34.0	34.7	58.8	55.2	57.0
8812	7.2	6.7	6.8	10.3	9.2	9.4	10.3	10.1	10.2	16.2	15.8	16.0	35.4	34.2	34.8	58.0	53.9	56.0
8813	7.3	6.6	6.8	10.2	9.5	9.6	10.2	9.6	9.8	15.7	14.8	15.2	30.2	29.7	29.9	51.0	49.9	50.3
8814	8.1	8.0	8.1	12.5	12.0	12.3	12.6	12.0	12.2	20.2	18.8	19.5	39.8	37.7	38.8	64.8	61.0	62.9
8817	NOT PREGNANT																	
8818	NOT PREGNANT																	
8819	7.5	6.8	7.0	11.0	9.9	10.2	11.0	10.6	10.7	17.1	16.5	16.7	35.3	33.9	34.5	54.1	52.3	53.0
8821	7.1	6.7	6.9	9.6	9.4	9.6	9.8	9.5	9.6	15.9	15.6	15.7	31.3	30.0	30.5	50.9	50.8	50.8
8823	6.6	6.3	6.5	9.5	9.1	9.3	9.6	9.2	9.4	14.8	14.4	14.6	30.6	29.7	30.1	50.0	49.2	49.6
8824	6.0	5.6	5.9	8.2	7.5	7.9	8.4	7.9	8.1	13.6	12.6	13.1	28.3	27.5	27.9	45.0	42.2	43.6
8826	6.4	6.1	6.2	8.7	8.4	8.5	8.6	8.4	8.5	13.9	13.4	13.6	28.9	27.4	28.2	44.0	42.0	43.0
8827	6.3	5.5	5.8	8.6	7.7	8.0	8.9	8.0	8.5	11.7	11.1	11.4	23.6	22.5	23.0	41.4	39.0	40.2
8828	6.8	6.5	6.6	9.2	8.8	8.8	9.2	9.0	9.0	14.6	14.4	14.4	33.2	32.2	32.4	52.6	50.8	51.3
8830	6.6	6.1	6.4	8.5	8.4	8.5	8.8	8.6	8.7	14.6	13.8	14.2	29.9	29.2	29.5	49.9	46.9	48.4
8831	6.4	6.0	6.3	8.4	7.7	8.2	8.4	8.0	8.2	13.8	13.1	13.4	32.0	31.8	31.9	49.8	48.8	49.2
8832	6.2	5.9	6.0	8.3	7.9	8.0	8.6	8.4	8.5	14.4	14.5	14.5	30.6	30.7	30.6	50.4	49.7	50.0
8833	6.3	6.0	6.2	9.0	8.4	8.8	9.3	8.4	8.9	16.6	14.7	15.6	34.0	30.9	32.5	53.8	47.7	50.8
8834	6.7	6.2	6.4	9.8	9.2	9.4	9.9	9.2	9.6	15.5	14.6	15.1	31.3	29.8	30.6	46.8	43.8	45.2
8835	5.8	5.6	5.8	7.9	8.2	8.0	8.6	7.7	8.5	14.4	15.0	14.5	32.8	29.7	32.4	50.6	47.0	50.1

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling.
b. Postculling.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C35 (PAGE 2): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP 11 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
8838	5.9	5.6	5.8	8.3	7.8	8.1	8.4	8.0	8.2	13.9	13.0	13.4	32.0	31.5	31.8	51.3	49.2	50.3
8840	6.4	6.2	6.3	7.9	7.5	7.7	8.3	8.0	8.1	12.8	12.8	12.8	29.6	29.9	29.8	48.2	47.0	47.6
8841	6.5	6.6	6.5	8.8	9.0	8.9	9.0	9.0	9.0	14.8	14.6	14.7	32.5	31.8	32.1	48.5	49.0	48.8
8842c	6.8	6.6	6.7	9.3	8.7	8.9	9.3	8.7	9.0	14.5	13.9	14.2	28.7	28.4	28.5	45.2	46.6	45.9
8845	7.0	6.6	6.7	10.0	10.0	10.0	10.0	10.2	10.1	13.9	14.0	14.0	29.9	29.9	29.9	51.8	50.1	50.8
8846	6.4	5.8	6.1	9.1	8.4	8.8	9.2	8.8	9.0	14.3	13.4	13.8	31.5	29.8	30.7	49.7	47.2	48.5
8847	6.6	6.6	6.6	9.4	9.2	9.3	9.7	9.3	9.5	14.8	14.4	14.6	26.4	25.6	26.0	46.0	44.6	45.3
8849	5.7	5.2	5.5	7.9	7.3	7.7	8.1	7.4	7.7	13.0	12.2	12.6	29.3	28.1	28.7	46.2	44.2	45.2
8851	6.3	5.8	6.0	8.5	8.3	8.4	8.7	8.0	8.4	13.8	12.4	13.2	29.8	28.4	29.1	50.2	46.2	48.2
8852	6.5	6.0	6.4	9.9	9.5	9.8	9.9	9.5	9.8	15.1	14.7	15.0	31.3	31.1	31.2	49.6	48.3	49.1
8853	5.9	6.0	5.9	7.0	7.6	7.2	7.9	7.8	7.9	13.0	12.8	13.0	28.7	28.8	28.8	46.2	46.9	46.6
8854	7.1	6.7	6.9	9.5	9.2	9.4	9.1	9.1	9.1	15.4	14.7	15.0	33.2	31.2	32.2	49.5	48.0	48.8
8855	6.6	6.1	6.3	8.9	8.3	8.5	8.9	8.6	8.8	14.6	13.9	14.2	30.9	28.6	29.8	44.8	41.8	43.2
8857	6.4	6.2	6.4	8.9	8.2	8.6	9.0	8.5	8.8	14.3	13.8	14.0	31.3	31.2	31.3	51.8	51.8	51.8
8858	7.6	7.1	7.2	11.0	10.3	10.5	11.0	10.1	10.4	17.6	15.8	16.2	34.2	31.5	32.2	55.0	51.2	52.1
8860	6.6	6.2	6.4	9.5	8.8	9.2	9.8	8.9	9.3	15.8	14.2	15.0	31.4	29.0	30.2	50.0	46.2	48.1
8862	6.8	6.5	6.6	9.7	9.4	9.6	9.7	9.7	9.7	15.8	15.6	15.7	35.5	34.3	34.9	58.4	56.0	57.2
8863	6.0	6.3	6.1	8.8	8.9	8.8	9.6	8.9	9.3	15.4	14.1	14.8	31.3	29.4	30.3	46.2	45.4	45.8
8864	7.2	6.9	7.1	9.0	8.8	8.9	9.2	8.8	9.0	14.1	14.4	14.3	31.4	31.6	31.5	48.8	48.7	48.8
8865	6.2	5.6	6.1	8.7	8.3	8.6	8.7	8.3	8.5	14.4	13.4	14.0	31.3	29.7	30.5	51.8	49.0	50.4
8866	6.2	6.0	6.2	7.5	7.4	7.5	7.7	7.8	7.7	11.0	10.9	11.0	24.0	24.3	24.2	39.2	39.3	39.2
8867	7.7	6.6	7.0	10.7	9.2	9.8	11.0	8.6	9.8	17.5	14.1	15.8	32.6	29.9	31.2	54.5	49.0	51.8
8868	6.4	5.9	6.2	9.8	8.8	9.3	10.3	9.0	9.7	16.1	14.8	15.4	35.6	32.8	34.2	54.6	51.8	53.2
8869	6.6	6.2	6.5	8.8	8.1	8.5	8.7	8.2	8.5	13.8	13.2	13.5	31.3	28.9	30.1	50.0	46.8	48.4
8870	6.8	6.3	6.5	10.0	9.1	9.5	10.2	9.3	9.7	17.3	15.4	16.4	34.7	32.2	33.4	53.7	48.6	51.1

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

a. Preculling.
b. Postculling.
c. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 postpartum excluded from group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C35 (PAGE 3): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
8871	NOT PREGNANT																	
8872	6.2	6.0	6.2	8.3	8.3	8.3	8.6	8.5	8.6	13.6	13.0	13.3	30.5	29.1	29.8	51.3	49.2	50.2
8874c	6.0	5.6	5.9	8.9	8.0	8.6	9.4	8.3	9.0	15.1	13.3	14.4	29.3	27.5	28.6	49.1	46.8	48.2
8875	6.7	6.6	6.7	9.4	9.6	9.5	9.6	9.6	9.6	15.1	14.8	14.9	29.8	29.6	29.7	49.8	48.8	49.2
8876	8.7	8.3	8.5	13.1	12.7	12.9	13.1	12.7	12.9	17.8	17.7	17.7	33.6	33.7	33.6	57.3	55.3	56.3
8881	6.3	5.9	6.0	8.3	7.7	7.9	8.6	7.4	8.0	14.1	12.0	13.1	30.7	27.8	29.2	50.0	45.0	47.5
8882	6.9	6.2	6.5	8.9	8.2	8.5	8.9	8.8	8.8	13.2	13.4	13.3	30.2	30.4	30.3	53.0	53.5	53.2
8885	6.8	6.5	6.7	9.3	8.8	9.1	9.5	9.1	9.3	15.3	14.9	15.1	31.5	29.9	30.9	51.2	50.7	51.0
8889	5.7	5.8	5.7	7.1	7.1	7.1	7.2	7.2	7.2	12.2	11.8	12.0	26.6	25.8	26.2	38.4	36.8	37.6
8890	6.7	6.5	6.6	10.0	9.8	9.9	10.2	10.1	10.2	14.6	14.2	14.4	30.6	30.2	30.4	51.1	51.5	51.3
8891	6.2	6.2	6.2	8.9	9.0	9.0	9.5	9.2	9.4	14.6	14.2	14.4	31.0	30.7	30.8	48.6	47.8	48.2
8892	6.6	6.4	6.6	9.2	9.0	9.1	9.3	8.8	9.0	14.2	13.5	13.9	28.4	27.8	28.1	38.8	38.5	38.6
8893	6.5	6.0	6.3	8.2	7.7	8.0	8.5	7.6	8.1	14.1	12.6	13.4	30.4	22.5	26.4	48.4	44.6	47.1
8894	8.2	7.6	8.0	11.6	11.3	11.5	11.6	11.3	11.5	17.0	16.6	16.9	30.8	31.7	31.1	46.2	44.3	45.5
8895	5.4	5.9	5.6	7.4	7.8	7.6	7.8	8.1	7.9	12.6	12.9	12.8	29.1	28.1	28.6	47.0	45.8	46.4
8896d	6.3	5.6	6.0	9.0	8.2	8.6	9.4	8.6	9.0	14.2	13.4	13.8	33.4	31.8	32.6	52.5	48.0	50.2
8897d	6.7	6.5	6.5	8.9	8.8	8.8	9.2	8.8	9.0	14.8	13.9	14.4	32.8	31.5	32.2	46.0	46.0	46.0
8898	6.7	6.2	6.5	9.2	8.8	9.1	9.4	8.8	9.1	14.0	13.4	13.7	26.6	25.6	26.1	43.4	42.4	42.9
8899c	6.2	5.8	6.0	9.1	8.6	8.8	8.8	8.8	8.8	14.2	14.2	14.2	32.3	31.8	32.1	54.0	53.7	53.8
8900	6.5	5.8	6.1	9.2	8.2	8.6	9.1	8.8	9.0	15.0	14.6	14.8	32.0	31.7	31.8	52.2	51.2	51.8
8901	6.7	6.2	6.4	9.2	8.5	8.8	9.1	8.8	8.9	10.3	11.5	11.0	24.5	26.2	25.6	42.7	47.0	45.4
8902	6.4	6.0	6.2	7.9	7.7	7.8	8.0	7.6	7.8	13.6	12.4	13.0	31.8	29.7	30.8	50.7	47.4	49.1
8903	NOT PREGNANT																	
8904	NOT PREGNANT																	
8905	5.8	5.7	5.8	8.0	7.4	7.7	8.3	7.0	7.6	13.8	12.5	13.2	33.6	31.2	32.4	53.1	49.6	51.3

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

a. Preculling.
b. Postculling.
c. A sexing error was found prior to weighing on day 7 postpartum; values for day 4 postpartum postculling were excluded from group averages and statistical analyses.
d. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C35 (PAGE 4): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP IV 1.6 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
8906	4.9	5.0	4.9	7.5	7.4	7.5	7.6	7.4	7.6	11.9	11.4	11.6	26.8	26.2	26.5	42.3	42.3	42.3
8909	6.4	6.0	6.1	8.5	8.0	8.2	8.5	8.4	8.4	12.9	12.9	12.9	27.3	27.1	27.2	42.0	42.8	42.4
8913	5.7	5.6	5.7	8.0	7.8	7.9	8.0	8.1	8.1	11.6	11.8	11.7	24.6	25.0	24.8	40.0	40.8	40.4
8914	NOT PREGNANT																	
8918	NOT PREGNANT																	
8919	5.8	5.4	5.7	7.1	6.5	6.9	7.4	6.7	7.1	11.8	10.3	11.0	27.1	23.8	25.4	46.3	40.8	43.6
8920	5.9	5.7	5.8	8.4	9.5	8.6	8.4	9.5	8.6	11.3	13.4	11.6	22.7	24.4	23.0	40.6	38.0	40.2
8921	6.5	6.2	6.4	8.8	8.6	8.7	9.4	8.6	9.2	13.2	12.2	13.0	26.2	25.2	26.0	44.8	41.6	44.0
8923	NOT PREGNANT																	
8925	5.4	5.6	5.6	7.8	6.9	7.0	7.8	7.3	7.4	11.5	10.6	10.7	26.3	24.7	24.9	37.5	35.0	35.4
8926	5.9	5.6	5.6	6.1	6.1	6.1	6.1	6.1	6.1	8.5	8.3	8.4	22.7	19.9	20.6	35.8	32.9	33.6
8927	5.6	6.1	5.9	5.0	4.7	4.8	5.0	4.7	4.8	---	6.3	6.3	---	14.6	14.6	---	31.2	31.2
8928	7.1	6.5	6.8	8.6	8.3	8.5	9.1	8.4	8.8	13.2	12.4	12.8	26.6	25.4	26.0	43.4	41.6	42.5
8929	6.0	6.0	6.0	NO SURVIVING PUPS ON DAY 2 POSTPARTUM														
8930	5.1	5.7	5.3	8.1	7.0	7.8	8.5	7.0	7.9	13.0	10.3	12.0	28.8	25.0	27.4	49.2	41.1	46.2
8931	5.1	---	5.1	7.5	---	7.5	7.5	---	7.5	10.9	---	10.9	25.3	---	25.3	43.2	---	43.2
8932	5.6	5.3	5.5	5.9	5.4	5.7	6.0	5.4	5.7	9.2	8.7	9.0	20.8	20.6	20.7	36.1	35.2	35.6
8933	NOT PREGNANT																	
8934	5.6	5.0	5.3	6.4	5.7	6.1	6.6	5.7	6.2	10.2	8.5	9.3	24.4	21.5	23.0	38.4	34.8	36.6
8935	5.8	5.4	5.6	6.5	6.5	6.5	6.6	6.7	6.6	10.2	10.5	10.4	24.1	24.2	24.2	40.2	39.6	39.9
8936	5.4	5.2	5.3	NO SURVIVING PUPS ON DAY 4 POSTPARTUM														
8937	7.0	6.6	6.8	8.8	9.0	8.9	8.8	9.0	8.9	12.8	11.8	12.4	28.2	26.8	27.7	45.0	42.8	44.2
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																	
8939	5.3	4.9	5.1	8.2	7.8	8.0	8.2	7.8	8.0	11.4	10.7	11.1	23.5	22.4	23.1	39.0	37.5	38.4
8940	5.8	5.4	5.7	7.6	6.8	7.3	8.6	7.1	7.9	13.8	11.2	12.5	30.7	25.4	28.0	49.4	41.2	45.3

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling.
b. Postculling.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C35 (PAGE 5): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP V 3.2 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8945	NOT PREGNANT																	
8946	5.6	5.2	5.3	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8949	5.2	4.8	5.0	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8950	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8952	NOT PREGNANT																	
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8956	5.3	5.0	5.2	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8957	NOT PREGNANT																	
8959	5.0	4.8	4.9	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8961	5.0	5.0	5.0	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8964	6.0	6.0	6.0	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8968	---	5.1	5.1	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8970	5.8	5.7	5.8	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8971	5.8	5.4	5.6	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8972	NOT PREGNANT																	
8973	5.3	---	5.3	NO SURVIVING PUPS ON DAY 2 OF LACTATION														
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION																	

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling.
b. Postculling.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 1): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY					POSTPARTUM DAY 1							
8801	6.9	7.4	7.2	7.5	7.1	7.0	MS	6.5	6.7	6.8										
8803	7.2	5.9	7.7	6.7	7.6	6.4	6.8	MS	7.2	6.4	6.6	6.7	7.0							
8804	8.1	7.7	6.9	7.0	7.6	7.5	6.8	6.9	6.8	5.1	6.9	6.2	6.9	6.9	6.8					
8805	5.4	5.7	5.8	6.0	5.3	5.4	5.3	4.9	5.7	5.4	5.3	5.3	5.0	5.3	5.3	5.2	FD 1			
8807	7.1	6.8	7.0	8.0	7.1	7.6	7.5	7.4	6.8	7.0	6.8	6.4	7.5							
8808	7.7	7.1	6.5	6.3	7.1	6.7	7.7	7.2	7.3	FS										
8811	7.9	8.3	8.4	8.2	7.4	7.1	7.4	7.3	7.7	7.8	7.6	7.3								
8812	7.2	7.3	7.9	6.2	6.6	7.0	6.5	5.7	7.5	6.7	6.9	6.8	6.4	6.7	6.6	6.3	7.2			
8813	7.1	7.8	7.1	6.6	5.9	6.3	6.6	7.2	6.8	6.4	6.8	6.5								
8814	8.4	8.6	8.2	7.8	7.6	8.3	7.9	8.7	7.9	7.8	8.0	7.9	7.7							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	7.6	7.5	7.4	3.8	6.9	7.5	7.0	7.2	6.8	7.4	7.3	7.8								
8823	6.7	6.7	7.1	6.5	6.7	6.4	6.0	6.7	6.1	5.9	6.6	6.3								
8824	6.2	5.3	5.1	6.5	6.4	5.8	6.5	6.1	6.4	5.0	6.3	5.9	5.7	4.7	6.3					
8826	6.6	6.3	6.5	6.1	6.4	6.1	6.2	6.2	6.0	5.6	6.4	6.3	5.9							
8827	6.6	6.5	6.7	6.4	5.4	6.1	5.8	6.0	5.3	5.6	5.3	4.3	5.7	5.8						
8828	6.8	6.7	MS	6.4	6.1	6.1	6.3	6.8	6.7	6.9	6.7	6.8	6.4	FS	FS					
8830	6.0	6.5	6.7	6.8	7.0	6.6	6.8	6.3	6.7	6.5	6.8	5.6	6.3	6.2	6.4	6.0				
8831	6.5	6.1	6.2	6.4	6.5	6.0	6.3	6.5	6.8	6.7	6.2	6.1	5.7	6.4	5.7					
8832	6.4	6.2	6.0	7.0	5.8	5.6	5.3	6.6	5.7	6.2	5.4	6.2	5.9	6.2	6.0	5.8	5.8			
8833	6.7	6.0	5.8	6.6	6.2	6.8	6.1	6.4	6.3	5.9	6.7	5.7	5.6	5.7	6.3					
8834	7.1	6.5	6.7	6.4	6.6	7.0	MS	5.4	6.8	6.9	6.4	5.8	5.6	6.2	FU	FU	UU			
8835	6.1	5.8	6.5	5.9	6.2	5.1	6.2	5.1	4.9	5.4	6.1	5.3	6.6	5.8	5.5	5.9				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000432

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 2): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 1							
8838	6.2	5.8	6.3	5.9	5.8	6.3	6.3	5.5	5.9	5.3	6.1	5.6	5.3	5.2	5.6	5.7	5.7			
8840	6.6	6.3	6.3	6.4	5.8	6.9	6.4	6.6	6.5	6.0	6.3	6.1	6.3	5.5	6.6	6.3	6.6	6.2	FD 1	
8841	7.0	6.5	6.6	6.0	6.4	6.0	6.6	6.6	6.5	6.1	6.8	7.1	6.7	6.3						
8842a	7.0	7.0	6.3	7.2	6.5	7.2	6.7	6.5	6.9	5.7	7.0	6.9	6.5	6.3						
8845	7.0	7.2	6.8	6.4	MD 1	6.8	6.9	6.2	6.9	6.6	6.6	6.3	6.4							
8846	6.5	6.2	6.3	6.2	6.6	6.1	6.3	6.7	5.8	6.1	6.0	5.8	6.1	5.3	5.4					
8847	6.6	6.8	6.4	6.1	6.5	6.7	7.1	7.3	6.4	7.1	6.3	6.3	6.1	7.0						
8849	5.9	5.6	5.9	6.0	5.4	5.9	5.5	5.6	5.8	5.6	4.9	5.0	5.3	5.1	5.3	5.0	5.5			
8851	6.5	6.8	5.9	5.9	6.2	5.8	5.5	6.1	5.9	5.9	6.2	5.9	5.3	5.9	FD 1					
8852	6.5	6.9	7.1	6.2	6.4	6.5	6.2	5.8	5.9	6.3	UU	UU								
8853	4.3	6.4	6.5	5.5	6.2	5.7	5.7	6.8	5.4	5.5	5.4	6.4	6.6	6.5	6.5	5.3	6.1	6.2	5.7	
8854	7.6	6.8	7.3	6.9	6.5	7.3	7.1	7.2	7.0	7.0	6.8	7.1	6.4	6.0						
8855	6.3	6.7	6.6	6.8	6.6	6.1	6.6	6.2	5.3	6.0	6.0	6.2	6.4	6.3	6.0					
8857	7.2	7.1	6.1	6.3	6.4	6.4	5.9	6.2	6.5	6.2	6.2	5.5	5.8	6.7	6.8					
8858	7.6	7.6	MS	7.1	7.4	6.4	6.9	7.9	6.5	6.8	7.8									
8860	5.9	6.9	6.2	7.0	6.6	6.8	7.2	5.8	6.4	6.2	6.2	6.1	6.2	6.6	6.3					
8862	7.1	6.7	6.7	6.7	6.8	6.5	7.0	6.7	6.4	6.8	6.6	6.6	5.8	6.4						
8863	6.7	5.5	6.2	5.8	6.6	6.3	6.7	6.6	5.9	4.6	5.8	5.9	6.4	6.9	6.2	5.6				
8864	7.1	7.3	7.0	7.1	7.7	6.8	6.9	6.6	7.2	7.1										
8865	6.3	5.8	5.8	6.4	6.1	6.9	6.0	6.2	6.2	6.7	6.0	5.5	5.1	5.9						
8866	6.4	6.5	5.5	6.2	6.3	6.4	6.4	6.3	6.2	5.8	6.2	6.1	6.1	5.4	6.2	6.5				
8867	8.1	7.2	7.7	7.4	8.0	6.4	7.9	6.8	5.4	6.5	6.7	7.2	5.9							
8868	6.6	5.4	5.4	7.0	5.8	7.1	6.8	6.8	5.7	6.6	5.4	5.6	6.2	5.8						
8869	6.5	7.1	6.6	6.4	6.5	6.3	6.2	6.7	6.6	7.0	6.6	6.6	6.6	5.8	6.0	5.9	FS			
8870	6.9	6.5	6.8	6.9	6.7	6.5	5.5	6.6	6.4	6.5	6.1									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 postpartum excluded from group averages and statistical analyses.

000433

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 3): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 1							
8871	NOT PREGNANT																			
8872	5.4	6.2	6.7	6.0	6.3	6.7	6.0	6.6	MS	6.3	6.1	5.5	6.3	5.9						
8874	5.6	5.6	5.7	5.9	5.7	6.5	5.3	6.5	6.6	6.6	5.6	5.8	5.2	5.5	5.9					
8875	6.4	6.8	6.7	6.7	7.1	6.4	7.1	6.5	6.5	6.2	6.3	7.2	6.8							
8876	8.4	8.5	9.3	MD 1	7.9	9.5	7.6													
8881	7.3	6.0	6.4	5.6	6.2	5.6	5.4	5.9	5.3	6.2	6.3	6.0	6.4	6.1						
8882	6.3	7.1	6.7	7.1	6.7	7.5	6.9	7.1	6.2	6.3	7.1	6.7	5.4	6.4	4.4	6.5	6.4			
8885	7.1	7.5	6.8	7.2	6.8	6.0	6.9	6.7	MS	6.4	7.0	6.1	6.8	6.4	6.7	FS				
8889	5.4	5.6	5.7	5.6	6.0	6.0	6.1	5.5	5.3	6.0	6.0	5.7	5.7	5.4						
8890	6.2	7.2	6.9	6.8	6.3	6.3	6.6	6.5	6.4	6.4	6.8	6.3								
8891	6.5	6.2	6.4	6.4	6.5	5.0	5.8	6.4	6.3	6.3	6.2	6.2	6.6	5.8	6.4					
8892	6.3	6.5	6.4	6.6	7.7	6.4	6.8	6.0	6.7	6.4	6.6	6.2								
8893	7.0	6.3	6.5	6.6	6.5	6.4	6.6	6.1	6.2	5.9	6.1	6.3	5.6							
8894	7.9	8.5	7.6																	
8895	5.8	5.8	6.0	5.8	5.6	3.8	5.8	5.5	5.0	5.9	5.8	6.1	5.6	6.0	5.9	5.5	6.2			
8896	6.5	6.6	6.2	6.1	5.7	6.1	7.0	6.5	5.8	6.0	4.6	5.4	6.0	5.5						
8897	6.5	6.5	6.4	6.9	7.0	6.7	6.3	6.7	6.4	6.6	6.3	6.5	6.4	6.4						
8898	6.6	6.5	6.6	6.7	6.8	6.8	6.8	6.6	6.3	6.4	6.4	5.9	FS							
8899	6.4	6.1	5.3	5.7	6.1	7.5	6.4	6.3	6.2	5.9	6.6	5.8	6.0	6.3	4.1	5.7				
8900	6.8	6.6	6.1	6.4	6.6	6.6	6.2	5.8	5.3	4.9	6.3	6.4	6.0	5.5	5.5	FS				
8901	7.1	6.4	6.7	6.6	6.8	6.7	6.2	6.1	5.7	6.1	6.2	6.2	6.5							
8902	6.2	6.3	6.4	6.8	6.5	6.5	6.4	5.8	6.0	6.0	6.5	6.0	5.8	6.2	6.1	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	5.9	6.2	5.2	5.6	6.1	5.7	5.9	6.0	6.0	5.8	5.5	5.9	6.0	5.4	5.9	5.5	5.8	5.5	5.9	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 4): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV								1.6 MG/KG/DAY				POSTPARTUM DAY 1							
8906	5.2	5.1	5.6	5.1	4.7	4.4	5.7	3.6	5.3	5.3	4.1	5.0	5.2	FD 1						
8909	6.0	6.2	6.8	6.6	5.0	6.4	5.9	6.7	6.1	5.3	6.3									
8913	5.4	5.5	5.8	6.3	5.7	5.6	6.0	5.3	5.7	6.0	5.6	5.3								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	5.8	6.0	6.2	5.7	5.9	6.2	5.8	5.8	5.7	5.4	5.5	5.4	5.4	5.3	5.4	5.5				
8920	6.1	5.9	5.9	6.2	5.6	5.7	6.1	5.3	FD 1											
8921	7.2	7.3	6.6	6.4	6.8	5.3	6.5	5.6	6.7	MS	MS	6.1	6.2							
8923	NOT PREGNANT																			
8925	5.5	5.4	5.4	4.7	5.2	5.6	5.8	5.8	6.0	6.0	5.6	5.7								
8926	6.1	5.9	5.6	6.0	5.0	5.7	5.1	5.2	4.8	5.7	6.4	6.3								
8927	6.3	4.8	6.0	5.3	4.9	6.0	5.7	6.3	6.3	5.9	6.1	6.1	5.6	6.0	6.2	6.5	6.0			
8928	7.1	7.7	7.1	7.2	7.4	7.4	6.0	6.7	6.5	7.0	5.9	6.2								
8929	6.6	5.9	5.9	6.3	6.0	5.5	6.0	6.0												
8930	6.0	5.0	4.5	4.4	4.8	5.7	5.3	MD 1	MD 1	MD 1	5.7	5.8	5.5	5.0	FD 1					
8931	5.4	4.8	5.2	5.0	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	5.7	5.5	4.6	6.1	5.6	5.7	5.5	6.6	5.6	5.6	5.6	6.0	4.9	5.0	5.3	4.8	5.8			
8933	NOT PREGNANT																			
8934	5.8	5.9	5.0	5.6	5.4	5.7	5.7	5.0	5.2	5.4	4.9	4.9	4.8							
8935	6.2	6.2	5.3	5.6	6.1	5.7	5.7	5.3	4.7	5.7	5.2	5.9								
8936	5.5	5.1	5.5	5.6	5.8	5.1	5.2	5.4	MS	MD 1	5.3	5.2	5.3	5.1	5.0	5.1				
8937	7.8	6.7	6.7	7.2	6.5	MS	6.9	6.4	6.5	6.4	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	5.4	4.9	5.6	MD 1	MD 1	4.9	4.9	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	5.6	6.5	5.6	6.0	6.7	5.3	6.2	5.6	5.0	MD 1	5.1	5.3	5.8	5.2	5.7	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000435

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 5): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY				POSTPARTUM DAY 1							
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	5.4	5.6	5.9	5.3	MS	MS	5.0	5.3	5.2	5.0	5.3	FS								
8949	5.1	5.0	5.1	5.7	5.0	5.2	4.9	4.7	4.7	4.6	4.9	4.8								
8950	MS	FD 1	FD 1	FD 1	FD 1	FS														
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	5.5	5.1	5.3	5.7	5.0	5.3	5.6	5.0	4.8	5.3	4.9	5.1	FD 1							
8957	NOT PREGNANT																			
8959	5.1	5.1	5.2	4.8	MD 1	MS	MS	4.8	4.9	5.0	4.5	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	4.9	4.8	4.9	5.1	5.2	5.1	MS	4.7	5.2	5.1	4.8	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	5.3	6.0	6.3	6.2	6.8	5.6	5.5	6.1	6.3	MS	5.7	6.2	6.0	6.4						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	4.8	5.4	FD 1	FD 1	FS	FS	FS	FS										
8969	5.2	MD 1	MD 1	4.3	4.3															
8970	5.9	5.9	5.7	6.0	5.5	MS	5.4	5.9	5.8	5.8	FS									
8971	6.0	5.8	6.1	5.5	6.3	5.6	5.6	5.0	4.9	5.5	5.2	5.1	6.4							
8972	NOT PREGNANT																			
8973	5.3	5.2	5.7	6.3	5.1	5.5	MS	5.5	5.6	4.7	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000436

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 6): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 4 PRECULLING						
8801	10.2	10.8	10.0	9.8	9.6	10.1	MS	10.1	9.3	9.9										
8803	8.3	10.1	10.8	10.0	10.1	11.4	10.7	MS	9.5	10.2	11.3	10.4	10.9							
8804	9.0	9.3	9.4	10.3	10.4	9.9	9.6	5.9	9.7	10.2	9.1	9.6	7.9	9.5	9.5					
8805	7.5	6.5	7.7	7.0	7.2	6.6	5.7	6.4	6.4	6.9	6.8	6.3	6.7	6.9	6.5	FM 4	FD 1			
8807	10.2	10.0	9.8	9.2	9.5	10.6	10.1	9.9	9.2	9.0	9.5	9.2	8.9							
8808	10.0	10.5	9.1	10.0	9.2	10.3	8.3	9.6	10.0	FS										
8811	11.3	11.5	11.1	11.9	10.7	12.1	11.5	11.5	11.0	9.7	11.1	11.4								
8812	10.2	10.7	10.9	9.3	8.3	9.4	7.4	8.4	9.7	9.0	9.9	8.5	9.0	9.7	9.3	9.9	10.8			
8813	10.4	10.1	10.0	9.4	9.5	9.8	9.3	8.9	9.5	9.3	10.1	9.4								
8814	12.6	12.6	12.1	12.5	12.9	12.6	12.2	12.0	12.2	11.4	12.5	12.2	11.9							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	11.4	10.5	11.1	10.8	5.4	10.4	10.8	10.6	10.4	10.2	9.9	10.7								
8821	7.3	6.8	7.7	6.9	7.6	6.6	6.6	6.9	6.4	6.9	6.7	7.1	6.6	6.9						
8823	9.7	9.2	9.7	9.0	9.4	9.8	9.6	9.1	8.7	9.4	9.2	9.0								
8824	7.4	8.9	8.8	8.7	8.7	7.0	7.1	8.6	8.7	6.7	5.9	7.8	8.6	8.4	7.8					
8826	8.6	8.7	8.3	9.0	8.8	8.2	8.8	7.8	8.6	8.6	8.5	8.4	8.7							
8827	8.7	7.4	8.8	9.0	9.1	8.1	6.1	7.6	7.9	8.2	8.3	7.4	8.2	7.6						
8828	9.0	9.3	MS	8.6	9.3	8.9	8.4	9.4	7.7	8.8	8.9	9.1	8.6	FS	FS					
8830	6.2	8.4	7.9	9.2	8.5	8.2	9.1	8.8	9.1	9.0	8.8	8.0	8.7	8.0	8.5	9.0				
8831	8.6	8.4	8.6	9.2	8.5	7.8	8.8	8.0	8.2	8.2	7.5	7.8	8.1	6.7	8.4					
8832	9.6	8.0	7.6	8.4	8.5	7.7	8.4	6.8	7.7	7.7	7.6	8.1	7.1	8.2	8.1	8.9	8.5			
8833	9.8	8.6	9.4	9.0	9.0	9.5	8.3	8.8	8.7	8.8	7.7	8.5	8.3	8.7	FD 1					
8834	9.8	9.4	9.9	9.6	10.0	9.8	MS	9.8	8.5	9.3	9.6	9.1	9.4	8.6	FU	FU	UU			
8835	9.3	8.5	8.5	8.6	7.7	9.0	8.4	7.8	7.4	7.8	8.1	8.2	4.6	8.4	7.0	8.8				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000437

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 7): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II									0.1 MG/KG/DAY					POSTPARTUM DAY 4 PRECULLING					
8838	7.1	8.6	7.4	8.4	8.2	8.3	8.6	8.3	8.9	9.0	7.7	8.3	8.3	7.9	7.4	7.6	7.6			
8840	8.8	8.0	8.8	6.7	8.7	7.9	8.3	6.9	6.9	7.7	7.3	8.4	8.4	4.9	7.6	8.0	7.9	8.0	FD 1	
8841	9.1	7.7	8.7	9.4	8.7	8.2	8.6	9.6	9.4	9.7	8.8	8.2	8.9	9.3						
8842	9.3	9.4	9.4	9.2	9.3	9.2	9.2	8.3	9.5	8.6	8.7	7.9	7.8	9.1	8.8					
8845	10.0	10.4	9.7	9.4	MD 1	9.8	10.8	9.7	10.2	10.0	10.5	9.4	FD 2							
8846	9.0	9.1	9.3	9.0	8.5	9.8	9.0	8.8	9.0	7.8	8.0	7.9	9.1	8.9	8.1					
8847	9.4	9.8	9.1	9.6	8.6	9.1	8.8	10.1	10.1	9.2	9.6	9.0	8.6	9.4						
8849	8.4	8.2	8.0	7.8	7.4	8.3	7.2	8.4	7.8	7.5	7.5	7.0	7.2	7.5	7.2	7.2	FM 4			
8851	8.7	8.1	8.7	9.4	7.8	8.6	7.6	9.0	7.4	9.1	8.2	7.9	8.6	8.6	FD 1					
8852	10.1	9.7	10.1	10.2	10.0	9.6	9.6	9.5	9.0	9.9	UU	UU								
8853	6.9	6.6	8.5	7.6	7.2	7.8	6.2	7.6	6.0	5.3	7.8	5.8	8.0	7.9	7.4	6.5	8.4	7.9	7.7	
8854	8.4	9.8	8.8	9.4	9.6	9.7	10.4	10.0	9.6	8.9	10.0	8.1	9.5	9.2						
8855	8.9	8.8	9.0	9.1	8.7	8.1	9.1	8.9	8.3	6.9	9.0	7.8	8.4	8.1	8.0					
8857	9.5	8.5	9.4	8.6	8.6	9.4	8.8	8.9	8.3	8.8	7.3	8.5	8.0	8.8	8.0					
8858	10.6	11.5	MS	10.9	10.9	9.7	9.8	10.0	10.8	10.6	9.9									
8860	8.3	9.7	10.0	9.4	10.4	9.5	9.4	8.3	8.6	8.6	9.7	8.9	9.4	8.3	8.8					
8862	9.4	9.5	9.8	10.0	9.6	10.1	9.6	8.8	8.9	9.2	10.1	9.8	9.3	10.1						
8863	8.1	9.2	8.8	8.3	8.3	8.9	6.9	10.1	9.4	10.4	8.8	8.8	9.0	9.2	9.4	8.1				
8864	9.8	8.5	8.5	9.8	8.4	9.0	8.6	8.7	8.9	8.8										
8865	9.0	8.5	8.6	8.8	8.5	8.8	8.2	9.3	8.3	9.3	8.0	8.6	8.0	8.6						
8866	7.7	7.2	7.3	7.3	6.8	7.1	8.1	7.6	8.1	6.8	7.6	7.7	8.3	7.0	7.4	7.4				
8867	11.1	11.2	9.8	10.4	11.1	9.3	8.7	8.9	7.8	8.5	9.7	10.5	10.5							
8868	10.4	10.1	8.6	10.5	8.4	10.0	10.3	MD 2	9.0	8.2	9.5	8.4	8.8	8.8						
8869	8.4	8.8	9.2	8.8	9.1	8.9	8.8	7.9	9.1	8.4	9.0	8.2	7.3	9.4	7.6	7.8	FS			
8870	9.9	10.3	10.2	10.3	9.4	9.0	8.0	9.4	9.8	8.9	9.4									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 8): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 4 PRECULLING							
8871	NOT PREGNANT																			
8872	8.3	7.2	7.9	9.3	9.0	8.5	7.7	8.6	MS	8.9	9.4	7.7	7.7	7.9						
8874	9.0	8.0	10.0	9.1	7.4	7.9	9.6	9.2	9.4	9.5	8.7	8.5	7.0	8.2	8.2					
8875	9.2	10.1	9.4	9.5	9.0	9.3	9.2	9.7	9.7	9.8	8.9	10.2	9.7							
8876	13.6	12.6	13.0	MD 1	12.7	14.1	11.4													
8881	9.9	8.3	7.9	7.0	8.5	7.6	8.0	7.6	7.7	7.8	6.7	8.0	8.5	7.4						
8882	8.6	9.8	8.8	8.7	8.1	9.4	8.6	9.3	7.6	8.4	8.4	9.3	6.0	8.6	7.9	8.9	8.5			
8885	8.0	10.3	10.0	9.0	9.1	9.6	9.4	9.5	MS	9.1	8.4	8.8	8.2	9.4	8.9	FS				
8889	6.4	7.6	6.9	6.8	7.0	7.3	7.6	7.0	7.2	7.7	7.2	7.0	6.7	6.8						
8890	10.9	9.1	9.8	10.1	10.1	9.8	9.0	10.3	10.0	10.0	9.3	10.0								
8891	10.0	8.4	7.1	9.3	9.7	8.9	8.4	9.1	8.6	9.3	9.8	9.1	8.9	9.0	8.8					
8892	9.2	9.0	8.7	9.2	8.9	10.0	9.3	9.2	8.8	8.9	8.3	9.3								
8893	7.7	8.3	7.9	8.3	8.6	8.6	8.1	8.5	7.9	7.7	7.1	7.9	8.1							
8894	11.8	11.3	11.3																	
8895	7.8	7.9	6.4	7.3	7.6	7.2	7.2	8.2	6.9	7.5	8.1	7.3	8.4	7.2	8.4	7.5	FM 2			
8896	8.7	9.9	9.4	8.4	9.0	8.2	9.1	9.3	8.8	8.0	6.9	8.6	8.9	8.0						
8897	9.4	8.7	7.8	9.8	8.9	8.3	8.5	9.3	8.6	8.1	9.2	9.0	9.1	9.2						
8898	9.5	9.3	9.3	9.3	9.6	8.9	9.2	8.9	8.7	9.3	8.5	8.7	FS							
8899	8.0	10.7	9.0	9.8	8.9	9.4	9.1	8.1	9.0	5.4	8.3	9.4	9.6	9.2	8.8	9.0				
8900	8.9	9.8	9.0	8.8	9.2	9.4	7.4	9.1	8.2	9.1	8.6	7.7	8.3	7.6	FM 2	FS				
8901	9.1	9.4	8.9	8.9	8.8	9.6	7.8	9.2	8.6	8.7	8.5	7.6	9.0							
8902	8.6	7.6	7.6	7.6	7.9	8.1	7.8	6.9	7.4	7.9	7.7	7.4	8.0	8.4	FM 3	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	8.0	7.1	8.6	8.4	8.2	7.4	8.2	8.2	8.4	7.3	8.3	8.2	7.3	7.4	6.9	6.3	7.5	6.6	FM 3	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000439

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 9): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV								1.6 MG/KG/DAY				POSTPARTUM DAY 4 PRECULLING							
8906	7.8	6.6	8.2	7.7	7.1	7.6	MD 2	MD 2	7.5	7.9	6.5	7.9	FM 3	FD 1						
8909	8.6	8.4	9.2	7.7	8.4	7.3	8.3	6.7	8.5	8.5	8.5									
8913	8.7	8.1	7.2	8.2	MD 3	6.6	8.0	8.7	7.6	7.3	8.1	8.7								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	6.8	7.0	7.6	8.1	6.7	7.4	7.1	6.8	6.2	7.3	7.2	7.1	6.2	6.2	5.9	FM 2				
8920	8.8	8.7	8.4	8.3	8.0	MD 2	9.5	FM 2	FD 1											
8921	9.0	10.4	9.5	7.1	6.4	9.5	9.5	8.6	MD 2	MS	MS	8.6	8.6							
8923	NOT PREGNANT																			
8925	7.8	MM 2	4.1	7.7	7.0	8.5	7.0	5.6	7.1	8.1	FM 2	FD 2								
8926	6.1	MD 3	MD 2	5.0	6.7	6.6	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2								
8927	4.7	5.0	5.2	MD 3	MD 2	MD 2	5.0	4.6	4.7	4.8	4.3	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2			
8928	6.1	9.4	9.2	8.6	8.5	9.2	9.3	8.7	8.9	7.7	7.7	8.4								
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2												
8930	7.1	8.3	7.1	8.4	8.6	8.5	8.6	MD 1	MD 1	MD 1	7.4	6.9	6.6	FD 1	FD 1					
8931	7.0	7.9	8.2	7.0	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	6.3	5.8	5.7	5.9	6.6	4.8	6.4	MM 3	MM 3	MD 3	MD 2	4.9	4.8	5.9	5.9	FM 3	FD 3			
8933	NOT PREGNANT																			
8934	5.8	6.2	6.9	6.2	6.5	7.0	MD 2	6.3	5.5	5.5	5.5	FM 3	FD 2							
8935	7.3	6.2	6.5	6.1	6.0	6.9	MD 4	7.1	5.7	6.0	6.7	7.1								
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	MS	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1				
8937	9.9	8.2	8.4	8.8	8.5	MS	9.5	9.3	8.3	FM 2	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	8.9	7.3	8.4	MD 1	MD 1	7.6	8.0	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	6.2	7.3	8.5	6.2	8.7	6.4	8.9	8.5	MD 2	MD 1	5.6	6.8	8.3	7.0	6.2	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000440

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 10): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY				POSTPARTUM DAY 4 PRECULLING							
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	MD 2	MD 2	MD 2	MM 2	MS	MS	FD 2	FD 2	FD 2	FD 2	FM 2	FS								
8949	MM 2	MD 2	MD 2	MD 2	MD 2	MD 2	FM 2	FM 2	FD 2	FD 2	FD 2	FD 2								
8950	MS	FD 1	FD 1	FD 1	FD 1	FS														
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	MD 2	MD 2	MD 2	MD 2	MD 2	MD 2	MD 1	FD 2	FD 2	FD 2	FD 2	FD 2	FD 1							
8957	NOT PREGNANT																			
8959	MD 2	MD 2	MD 2	MD 2	MD 1	MS	MS	FD 2	FD 2	FD 2	FD 2	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	MD 2	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FM 2	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	MD 2	MM 1	MS	FM 2	FD 2	FM 1	FD 1						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	FD 2	FM 2	FD 1	FD 1	FS	FS	FS	FS										
8969	MD 1	MD 1	MD 1	FD 1	FM 1															
8970	MD 2	MD 2	MD 2	MD 2	MD 2	MS	FD 2	FD 2	FD 2	FD 2	FS									
8971	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	FM 2	FM 2	FM 2	FD 2	FD 2	FD 2							
8972	NOT PREGNANT																			
8973	MM 2	MD 1	MD 1	MD 1	MD 1	MD 1	MS	FD 1	FD 1	FD 1	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 11): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 4 POSTCULLING						
8801	MC 4	10.8	10.0	9.8	9.6	10.1	MS	10.1	9.3	9.9										
8803	8.3	10.1	MC 4	10.0	MC 4	11.4	MC 4	MS	FC 4	10.2	11.3	10.4	10.9							
8804	MC 4	9.3	MC 4	10.3	10.4	9.9	9.6	FC 4	FC 4	10.2	FC 4	9.6	FC 4	FC 4	9.5					
8805	7.5	6.5	7.7	7.0	7.2	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	6.3	6.7	6.9	FC 4	FM 4	FD 1			
8807	MC 4	MC 4	MC 4	9.2	MC 4	10.6	10.1	9.9	9.2	9.0	FC 4	9.2	8.9							
8808	10.0	10.5	9.1	10.0	9.2	10.3	FC 4	9.6	10.0	FS										
8811	11.3	MC 4	11.1	11.9	MC 4	12.1	11.5	11.5	11.0	FC 4	FC 4	11.4								
8812	10.2	10.7	10.9	9.3	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	9.9	FC 4	FC 4	9.7	FC 4	9.9	10.8			
8813	10.4	10.1	10.0	FC 4	9.5	9.8	9.3	FC 4	FC 4	9.3	10.1	FC 4								
8814	MC 4	12.6	12.1	MC 4	12.9	12.6	MC 4	12.0	FC 4	11.4	12.5	FC 4	11.9							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	11.4	10.5	11.1	10.8	FC 4	10.4	10.8	FC 4	FC 4	10.2	FC 4	10.7								
8821	MC 4	9.7	10.1	MC 4	9.5	9.9	MC 4	MC 4	9.5	9.7	FC 4	8.9	9.4	FM 2						
8823	9.7	9.2	9.7	MC 4	MC 4	MC 4	9.6	9.1	FC 4	9.4	9.2	9.0								
8824	MC 4	8.9	MC 4	MC 4	8.7	MC 4	7.1	MC 4	8.7	6.7	FC 4	7.8	8.6	8.4	FC 4					
8826	8.6	8.7	8.3	MC 4	8.8	FC 4	FC 4	7.8	8.6	8.6	8.5	FC 4	FC 4							
8827	8.7	MC 4	8.8	9.0	9.1	8.1	FC 4	FC 4	FC 4	8.2	8.3	FC 4	FC 4	7.6						
8828	9.0	9.3	MS	8.6	9.3	8.9	FC 4	9.4	FC 4	FC 4	8.9	FC 4	8.6	FS	FS					
8830	MC 4	8.4	MC 4	MC 4	MC 4	MC 4	9.1	8.8	9.1	MC 4	MC 4	FC 4	8.7	8.0	8.5	9.0				
8831	MC 4	MC 4	MC 4	MC 4	8.5	MC 4	8.8	8.0	MC 4	8.2	7.5	7.8	8.1	FC 4	8.4					
8832	9.6	MC 4	MC 4	8.4	8.5	7.7	8.4	FC 4	7.7	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	8.9	8.5			
8833	9.8	MC 4	9.4	9.0	9.0	MC 4	MC 4	MC 4	FC 4	8.8	7.7	8.5	FC 4	8.7	FD 1					
8834	9.8	MC 4	9.9	MC 4	10.0	9.8	MS	FC 4	FC 4	9.3	9.6	FC 4	9.4	8.6	FU	FU	UU			
8835	9.3	8.5	8.5	8.6	7.7	FC 4	FC 4	FC 4	MC 4	MC 4	MC 4	8.2	MC 4	8.4	MC 4	8.8				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000442

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 12): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II										0.1 MG/KG/DAY				POSTPARTUM DAY 4 POSTCULLING					
8838	MC 4	8.6	MC 4	8.4	8.2	MC 4	8.6	MC 4	MC 4	MC 4	FC 4	8.3	8.3	7.9	FC 4	FC 4	7.6			
8840	MC 4	MC 4	MC 4	MC 4	8.7	MC 4	8.3	MC 4	MC 4	7.7	MC 4	8.4	8.4	FC 4	7.6	FC 4	7.9	8.0	FD 1	
8841	9.1	MC 4	8.7	MC 4	8.7	MC 4	MC 4	MC 4	9.4	9.7	8.8	8.2	FC 4	9.3						
8842	9.3	MC 4	9.4	9.2	9.3	FC 4	FC 4	FC 4	9.5	8.6	8.7	7.9	FC 4	FC 4	FC 4					
8845	10.0	10.4	9.7	FC 4	MD 1	FC 4	10.8	FC 4	10.2	10.0	10.5	9.4	FD 2							
8846	MC 4	MC 4	9.3	MC 4	MC 4	9.8	9.0	8.8	9.0	FC 4	FC 4	FC 4	9.1	8.9	8.1					
8847	9.4	9.8	MC 4	9.6	MC 4	MC 4	MC 4	MC 4	10.1	9.2	9.6	9.0	FC 4	9.4						
8849	8.4	8.2	MC 4	MC 4	MC 4	MC 4	MC 4	8.4	MC 4	7.5	7.5	FC 4	FC 4	7.5	7.2	7.2	FM 4			
8851	8.7	8.1	8.7	9.4	MC 4	FC 4	FC 4	FC 4	7.4	FC 4	8.2	7.9	8.6	FC 4	FD 1					
8852	10.1	MC 4	10.1	10.2	MC 4	9.6	9.6	9.5	9.0	9.9	UU	UU								
8853	MC 4	MC 4	8.5	MC 4	MC 4	7.8	MC 4	7.6	MC 4	MC 4	7.8	MC 4	MC 4	7.9	7.4	FC 4	8.4	FC 4	7.7	
8854	8.4	MC 4	8.8	MC 4	9.6	9.7	MC 4	MC 4	FC 4	8.9	10.0	8.1	9.5	FC 4						
8855	8.9	MC 4	9.0	9.1	8.7	8.1	FC 4	8.9	FC 4	FC 4	9.0	FC 4	8.4	FC 4	FC 4					
8857	9.5	MC 4	MC 4	MC 4	MC 4	9.4	8.8	MC 4	8.3	8.8	FC 4	8.5	8.0	8.8	FC 4					
8858	10.6	11.5	MS	FC 4	FC 4	9.7	9.8	10.0	10.8	10.6	9.9									
8860	MC 4	9.7	MC 4	MC 4	10.4	9.5	9.4	FC 4	8.6	8.6	9.7	FC 4	FC 4	FC 4	8.8					
8862	9.4	MC 4	9.8	MC 4	MC 4	10.1	9.6	8.8	FC 4	FC 4	10.1	9.8	FC 4	10.1						
8863	MC 4	9.2	MC 4	MC 4	MC 4	MC 4	MC 4	10.1	MC 4	10.4	MC 4	8.8	9.0	9.2	9.4	8.1				
8864	9.8	8.5	8.5	9.8	MC 4	9.0	8.6	8.7	FC 4	8.8										
8865	MC 4	8.5	8.6	MC 4	MC 4	MC 4	MC 4	9.3	8.3	MC 4	8.0	8.6	8.0	8.6						
8866	MC 4	7.2	MC 4	7.3	MC 4	MC 4	8.1	MC 4	8.1	FC 4	7.6	7.7	8.3	FC 4	FC 4	7.4				
8867	11.1	11.2	MC 4	10.4	11.1	9.3	FC 4	8.9	7.8	8.5	FC 4	FC 4	FC 4							
8868	10.4	10.1	MC 4	10.5	MC 4	MC 4	10.3	MD 2	9.0	FC 4	9.5	FC 4	8.8	8.8						
8869	8.4	8.8	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	9.1	8.4	MC 4	8.2	FC 4	9.4	7.6	7.8	FS			
8870	9.9	10.3	10.2	10.3	MC 4	9.0	FC 4	FC 4	9.8	8.9	9.4									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000443

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 13): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY				POSTPARTUM DAY 4 POSTCULLING						
8871	NOT PREGNANT																			
8872	8.3	MC 4	7.9	9.3	9.0	MC 4	MC 4	MC 4	MS	8.9	9.4	7.7	FC 4	7.9						
8874a	MC 4	MC 4	10.0	9.1	MC 4	MC 4	9.6	MC 4	MC 4	9.5	8.7	8.5	FC 4	8.2	8.2					
8875	MC 4	10.1	9.4	MC 4	MC 4	9.3	MC 4	9.7	MC 4	9.8	8.9	10.2	9.7							
8876	13.6	12.6	13.0	MD 1	12.7	14.1	11.4													
8881	9.9	8.3	7.9	MC 4	8.5	7.6	FC 4	FC 4	FC 4	7.8	6.7	FC 4	FC 4	7.4						
8882	MC 4	MC 4	MC 4	8.7	8.1	9.4	MC 4	9.3	FC 4	8.4	FC 4	9.3	FC 4	8.6	FC 4	8.9	FC 4			
8885	MC 4	MC 4	10.0	MC 4	MC 4	9.6	9.4	9.5	MS	9.1	FC 4	8.8	FC 4	9.4	8.9	FS				
8889	MC 4	MC 4	MC 4	MC 4	7.0	7.3	7.6	7.0	MC 4	7.7	7.2	7.0	6.7	FC 4						
8890	10.9	MC 4	9.8	10.1	10.1	FC 4	FC 4	10.3	10.0	10.0	FC 4	10.0								
8891	10.0	MC 4	MC 4	9.3	9.7	8.9	FC 4	FC 4	FC 4	9.3	9.8	9.1	FC 4	FC 4	8.8					
8892	9.2	9.0	MC 4	MC 4	8.9	10.0	FC 4	FC 4	8.8	8.9	8.3	9.3								
8893	MC 4	8.3	MC 4	MC 4	8.6	8.6	MC 4	8.5	7.9	7.7	7.1	7.9	FC 4							
8894	11.8	11.3	11.3																	
8895	MC 4	7.9	MC 4	7.3	7.6	MC 4	MC 4	8.2	MC 4	7.5	8.1	FC 4	8.4	FC 4	8.4	FC 4	FM 2			
8896	MC 4	9.9	9.4	MC 4	9.0	MC 4	9.1	MC 4	8.8	FC 4	FC 4	8.6	8.9	8.0						
8897	9.4	8.7	MC 4	9.8	8.9	FC 4	FC 4	9.3	8.6	8.1	FC 4	FC 4	9.1	FC 4						
8898	9.5	MC 4	9.3	9.3	9.6	MC 4	MC 4	MC 4	8.7	9.3	8.5	8.7	FS							
8899a	8.0	MC 4	MC 4	9.8	8.9	MC 4	9.1	8.1	9.0	FC 4	8.3	FC 4	FC 4	FC 4	FC 4	9.0				
8900	8.9	9.8	9.0	8.8	MC 4	MC 4	FC 4	9.1	FC 4	9.1	8.6	FC 4	8.3	FC 4	FM 2	FS				
8901	9.1	9.4	8.9	8.9	MC 4	MC 4	FC 4	9.2	8.6	8.7	8.5	FC 4	FC 4							
8902	8.6	MC 4	7.6	7.6	MC 4	8.1	MC 4	FC 4	7.4	7.9	7.7	7.4	FC 4	FC 4	FM 3	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	8.0	MC 4	8.6	8.4	MC 4	MC 4	8.2	MC 4	FC 4	7.3	FC 4	FC 4	FC 4	FC 4	6.9	6.3	7.5	FC 4	FM 3	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. A sexing error was found prior to weighing on day 7 postpartum for litter 8874; values for day 4 postpartum postculling were excluded from group averages and statistical analyses.

OC0444

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 14): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV								1.6 MG/KG/DAY			POSTPARTUM DAY 4 POSTCULLING								
8906	MC 4	MC 4	8.2	7.7	7.1	7.6	MD 2	MD 2	7.5	7.9	6.5	7.9	FM 3	FD 1						
8909	8.6	8.4	9.2	7.7	8.4	FC 4	8.3	FC 4	8.5	FC 4	8.5									
8913	8.7	8.1	7.2	8.2	MD 3	FC 4	8.0	8.7	7.6	FC 4	8.1	FC 4								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	MC 4	MC 4	7.6	8.1	6.7	7.4	MC 4	MC 4	MC 4	MC 4	7.2	7.1	6.2	6.2	FC 4	FM 2				
8920	8.8	8.7	8.4	8.3	8.0	MD 2	9.5	FM 2	FD 1											
8921	9.0	10.4	9.5	MC 4	MC 4	9.5	9.5	8.6	MD 2	MS	MS	8.6	8.6							
8923	NOT PREGNANT																			
8925	7.8	MM 2	FC 4	7.7	7.0	8.5	7.0	5.6	7.1	8.1	FM 2	FD 2								
8926	6.1	MD 3	MD 2	5.0	6.7	6.6	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2								
8927	4.7	5.0	5.2	MD 3	MD 2	MD 2	5.0	4.6	4.7	4.8	4.3	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2			
8928	MC 4	9.4	9.2	8.6	MC 4	9.2	MC 4	8.7	8.9	FC 4	7.7	8.4								
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2												
8930	MC 4	8.3	MC 4	8.4	8.6	8.5	8.6	MD 1	MD 1	MD 1	7.4	6.9	6.6	FD 1	FD 1					
8931	7.0	7.9	8.2	7.0	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	6.3	MC 4	MC 4	MC 4	6.6	4.8	6.4	MM 3	MM 3	MD 3	MD 2	4.9	4.8	5.9	5.9	FM 3	FD 3			
8933	NOT PREGNANT																			
8934	MC 4	6.2	6.9	MC 4	6.5	7.0	MD 2	6.3	5.5	5.5	5.5	FM 3	FD 2							
8935	7.3	MC 4	MC 4	6.1	6.0	6.9	MD 4	7.1	FC 4	6.0	6.7	7.1								
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	MS	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1				
8937	9.9	8.2	8.4	8.8	8.5	MS	9.5	9.3	8.3	FM 2	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	8.9	7.3	8.4	MD 1	MD 1	7.6	8.0	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	MC 4	MC 4	8.5	MC 4	8.7	MC 4	8.9	8.5	MD 2	MD 1	FC 4	6.8	8.3	7.0	6.2	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000445

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 15): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY				POSTPARTUM DAY 4 POSTCULLING							
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	MD 2	MD 2	MD 2	MM 2	MS	MS	FD 2	FD 2	FD 2	FD 2	FM 2	FS								
8949	MM 2	MD 2	MD 2	MD 2	MD 2	MD 2	FM 2	FM 2	FD 2	FD 2	FD 2	FD 2								
8950	MS	FD 1	FD 1	FD 1	FD 1	FS														
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	MD 2	MD 2	MD 2	MD 2	MD 2	MD 2	MD 1	FD 2	FD 2	FD 2	FD 2	FD 2	FD 1							
8957	NOT PREGNANT																			
8959	MD 2	MD 2	MD 2	MD 2	MD 1	MS	MS	FD 2	FD 2	FD 2	FD 2	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	MD 2	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FM 2	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	MD 2	MM 1	MS	FM 2	FD 2	FM 1	FD 1						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	FD 2	FM 2	FD 1	FD 1	FS	FS	FS	FS										
8969	MD 1	MD 1	MD 1	FD 1	FM 1															
8970	MD 2	MD 2	MD 2	MD 2	MD 2	MS	FD 2	FD 2	FD 2	FD 2	FS									
8971	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	FM 2	FM 2	FM 2	FD 2	FD 2	FD 2							
8972	NOT PREGNANT																			
8973	MM 2	MD 1	MD 1	MD 1	MD 1	MD 1	MS	FD 1	FD 1	FD 1	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 16): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 7						
8801	MC 4	16.1	15.1	15.3	14.6	15.2	MS	14.9	15.6	14.3										
8803	17.3	15.2	MC 4	12.7	MC 4	15.9	MC 4	MS	FC 4	15.4	15.4	17.5	16.7							
8804	MC 4	14.8	MC 4	13.2	15.5	15.5	15.5	FC 4	FC 4	13.6	FC 4	14.5	FC 4	FC 4	15.2					
8805	10.5	10.1	10.5	9.3	9.7	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	10.3	8.7	8.6	FC 4	FM 4	FD 1			
8807	MC 4	MC 4	MC 4	16.4	MC 4	15.3	14.5	15.9	14.6	14.7	FC 4	14.0	13.6							
8808	15.6	13.5	14.5	13.7	15.0	14.8	FC 4	14.2	14.7	FS										
8811	17.8	MC 4	17.8	16.9	MC 4	17.9	16.3	17.5	17.0	FC 4	FC 4	17.5								
8812	16.1	17.0	15.0	16.5	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	17.0	FC 4	FC 4	16.1	FC 4	14.9	15.4			
8813	16.0	15.4	15.6	FC 4	14.6	15.4	14.2	FC 4	FC 4	15.6	14.4	FC 4								
8814	MC 4	20.0	20.3	MC 4	20.0	20.3	MC 4	18.0	FC 4	18.8	19.3	FC 4	19.2							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	16.9	17.5	16.9	15.9	FC 4	16.6	16.2	FC 4	FC 4	16.6	FC 4	17.0								
8821	MC 4	15.2	16.3	MC 4	16.3	16.7	MC 4	MC 4	15.4	14.8	FC 4	15.8	15.1	FM 2						
8823	14.8	15.2	15.4	MC 4	MC 4	MC 4	14.0	14.9	FC 4	13.5	14.7	14.6								
8824	MC 4	14.9	MC 4	MC 4	10.8	MC 4	14.0	MC 4	14.7	13.6	FC 4	12.8	10.7	13.4	FC 4					
8826	14.4	13.8	13.3	MC 4	14.1	FC 4	FC 4	12.3	13.7	14.2	13.3	FC 4	FC 4							
8827	10.9	MC 4	11.5	13.0	11.4	11.0	FC 4	FC 4	FC 4	11.4	10.5	FC 4	FC 4	11.6						
8828	15.1	14.0	MS	14.9	14.8	14.3	FC 4	14.6	FC 4	FC 4	13.9	FC 4	13.7	FS	FS					
8830	MC 4	15.0	MC 4	MC 4	MC 4	MC 4	14.1	14.7	14.4	MC 4	MC 4	FC 4	14.3	13.6	14.7	12.8				
8831	MC 4	MC 4	MC 4	MC 4	13.4	MC 4	14.1	13.9	MC 4	13.6	13.6	13.0	12.6	FC 4	13.3					
8832	14.6	MC 4	MC 4	13.6	13.7	15.7	14.4	FC 4	13.8	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	14.9	15.0			
8833	16.5	MC 4	16.6	16.0	17.2	MC 4	MC 4	MC 4	FC 4	14.1	14.2	15.0	FC 4	15.6	FD 1					
8834	16.0	MC 4	15.1	MC 4	15.5	15.5	MS	FC 4	FC 4	14.9	14.8	FC 4	15.0	13.7	FU	FU	UU			
8835	16.0	14.9	14.4	14.2	15.0	FC 4	FC 4	FC 4	MC 4	MC 4	MC 4	13.9	MC 4	13.3	MC 4	14.0				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000447

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 17): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II										0.1 MG/KG/DAY				POSTPARTUM DAY 7					
8838	MC 4	13.4	MC 4	13.9	13.8	MC 4	14.5	MC 4	MC 4	MC 4	FC 4	13.5	12.5	12.4	FC 4	FC 4	13.5			
8840	MC 4	MC 4	MC 4	MC 4	11.4	MC 4	13.6	MC 4	MC 4	12.9	MC 4	13.5	12.6	FC 4	12.6	FC 4	12.6	13.5	FD 1	
8841	15.7	MC 4	14.3	MC 4	15.0	MC 4	MC 4	MC 4	14.4	15.6	15.1	13.5	FC 4	14.3						
8842	14.6	MC 4	14.3	14.6	14.5	FC 4	FC 4	FC 4	13.6	13.8	14.4	13.8	FC 4	FC 4	FC 4					
8845	13.7	14.6	13.3	FC 4	MD 1	FC 4	13.8	FC 4	13.0	14.4	14.5	14.4	FD 2							
8846	MC 4	MC 4	13.7	MC 4	MC 4	13.6	14.7	15.1	12.4	FC 4	FC 4	FC 4	13.4	14.1	13.5					
8847	14.4	15.5	MC 4	14.8	MC 4	MC 4	MC 4	MC 4	14.5	14.3	14.6	14.3	FC 4	14.4						
8849	13.0	12.9	MC 4	MC 4	MC 4	MC 4	MC 4	13.6	MC 4	12.4	12.6	FC 4	FC 4	11.9	12.3	12.2	FM 4			
8851	13.2	13.2	15.2	13.8	MC 4	FC 4	FC 4	FC 4	13.4	FC 4	12.6	12.3	11.5	FC 4	FD 1					
8852	14.4	MC 4	15.2	15.5	MC 4	15.6	14.8	14.4	14.3	15.5	UU	UU								
8853	MC 4	MC 4	12.3	MC 4	MC 4	13.2	MC 4	13.9	MC 4	MC 4	12.8	MC 4	MC 4	12.8	12.6	FC 4	13.0	FC 4	13.0	
8854	16.2	MC 4	16.1	MC 4	14.8	14.4	MC 4	MC 4	FC 4	13.0	15.1	16.1	14.5	FC 4						
8855	15.0	MC 4	14.2	15.2	13.9	14.1	FC 4	13.4	FC 4	FC 4	14.6	FC 4	13.5	FC 4	FC 4					
8857	13.7	MC 4	MC 4	MC 4	MC 4	14.7	15.1	MC 4	13.8	12.9	FC 4	14.3	14.1	13.8	FC 4					
8858	17.4	17.7	MS	FC 4	FC 4	15.0	15.2	16.3	16.6	16.6	15.1									
8860	MC 4	16.0	MC 4	MC 4	16.2	15.4	15.7	FC 4	15.3	13.8	13.6	FC 4	FC 4	FC 4	13.9					
8862	16.0	MC 4	15.5	MC 4	MC 4	15.4	16.4	15.7	FC 4	FC 4	14.4	16.3	FC 4	16.1						
8863	MC 4	14.1	MC 4	MC 4	MC 4	MC 4	MC 4	16.3	MC 4	16.3	MC 4	15.1	12.6	14.9	15.4	13.4				
8864	15.8	12.5	13.7	14.4	MC 4	14.8	14.2	14.4	FC 4	14.4										
8865	MC 4	14.2	15.9	MC 4	MC 4	MC 4	MC 4	13.5	14.2	MC 4	14.0	12.6	13.5	13.7						
8866	MC 4	10.8	MC 4	11.8	MC 4	MC 4	10.6	MC 4	10.9	FC 4	11.7	9.7	11.4	FC 4	FC 4	10.8				
8867	17.8	16.9	MC 4	17.6	17.6	12.3	FC 4	14.1	15.2	14.7	FC 4	FC 4	FC 4							
8868	16.3	15.8	MC 4	16.6	MC 4	MC 4	15.8	MD 2	15.2	FC 4	14.5	FC 4	14.3	15.0						
8869	13.0	14.3	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	14.2	13.5	MC 4	14.7	FC 4	12.9	12.9	12.2	FS			
8870	17.8	16.9	17.2	17.4	MC 4	15.7	FC 4	FC 4	15.7	15.3	14.8									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000448

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 18): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 7							
8871	NOT PREGNANT																			
8872	14.1	MC 4	12.7	14.6	12.9	MC 4	MC 4	MC 4	MS	14.0	12.5	11.9	FC 4	13.7						
8874	MC 4	MC 4	15.3	14.5	MC 4	MC 4	16.1	MC 4	MC 4	14.2	15.5	13.1	FC 4	13.7	13.1					
8875	MC 4	16.0	14.8	MC 4	MC 4	14.8	MC 4	14.9	MC 4	14.8	15.5	14.0	14.7							
8876	19.1	17.9	16.3	MD 1	17.5	19.8	15.8													
8881	15.7	13.6	13.4	MC 4	13.7	10.9	FC 4	FC 4	FC 4	12.5	12.8	FC 4	FC 4	11.9						
8882	MC 4	MC 4	MC 4	14.0	13.1	13.5	MC 4	12.4	FC 4	14.5	FC 4	13.5	FC 4	12.7	FC 4	12.8	FC 4			
8885	MC 4	MC 4	15.3	MC 4	MC 4	15.7	15.5	14.8	MS	14.5	FC 4	15.7	FC 4	14.6	15.0	FS				
8889	MC 4	MC 4	MC 4	MC 4	12.4	12.7	11.9	11.9	MC 4	10.7	11.8	12.8	12.1	FC 4						
8890	15.2	MC 4	14.9	14.3	14.1	FC 4	FC 4	14.5	14.3	14.3	FC 4	13.9								
8891	14.1	MC 4	MC 4	13.5	15.2	15.6	FC 4	FC 4	FC 4	13.7	14.3	15.1	FC 4	FC 4	13.5					
8892	14.0	15.2	MC 4	MC 4	13.8	14.0	FC 4	FC 4	13.9	13.9	12.5	13.6								
8893	MC 4	14.0	MC 4	MC 4	13.8	14.2	MC 4	14.3	11.2	12.8	13.5	13.0	FC 4							
8894	16.1	17.9	16.6																	
8895	MC 4	12.9	MC 4	12.7	13.0	MC 4	MC 4	11.9	MC 4	12.1	13.2	FC 4	12.8	FC 4	13.4	FC 4	FM 2			
8896	MC 4	14.1	13.9	MC 4	14.5	MC 4	14.4	MC 4	12.7	FC 4	FC 4	13.8	13.2	13.9						
8897	14.5	15.0	MC 4	15.6	14.2	FC 4	FC 4	14.9	13.7	14.0	FC 4	FC 4	12.9	FC 4						
8898	13.8	MC 4	13.9	14.2	14.2	MC 4	MC 4	MC 4	13.0	13.1	14.1	13.5	FS							
8899	12.5	MC 4	MC 4	14.4	15.5	MC 4	13.9	14.8	14.7	FC 4	14.9	FC 4	FC 4	FC 4	FC 4	12.9				
8900	14.6	14.7	15.8	15.0	MC 4	MC 4	FC 4	14.9	FC 4	14.5	14.0	FC 4	15.0	FC 4	FM 2	FS				
8901	13.2	8.5	9.2	12.5	MC 4	MC 4	FC 4	12.4	12.6	10.0	10.0	FC 4	FC 4							
8902	12.9	MC 4	13.1	14.7	MC 4	13.6	MC 4	FC 4	12.3	12.3	12.3	12.9	FC 4	FC 4	FM 3	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	13.5	MC 4	14.8	14.2	MC 4	MC 4	12.8	MC 4	FC 4	12.6	FC 4	FC 4	FC 4	FC 4	13.3	12.8	11.2	FC 4	FM 3	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000449

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 19): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV									1.6 MG/KG/DAY			POSTPARTUM DAY 7							
8906	MC 4	MC 4	11.9	12.8	11.7	11.2	MD 2	MD 2	12.4	11.5	11.6	10.1	FM 3	FD 1						
8909	12.0	12.7	13.6	13.3	13.2	FC 4	12.8	FC 4	12.6	FC 4	13.1									
8913	12.3	11.6	12.1	10.3	MD 3	FC 4	11.2	12.2	11.7	FC 4	12.3	FC 4								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	MC 4	MC 4	11.5	12.0	12.3	11.2	MC 4	MC 4	MC 4	MC 4	11.4	11.1	9.3	9.5	FC 4	FM 2				
8920	11.4	11.3	11.2	10.9	11.6	MD 2	13.4	FM 2	FD 1											
8921	12.7	14.0	12.8	MC 4	MC 4	13.2	13.0	13.7	MD 2	MS	MS	11.9	12.4							
8923	NOT PREGNANT																			
8925	11.5	MM 2	FC 4	11.9	10.5	8.2	10.6	12.2	11.2	9.8	FM 2	FD 2								
8926	8.5	MD 3	MD 2	9.3	6.9	8.8	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2								
8927	MD 5	MD 5	MD 5	MD 3	MD 2	MD 2	6.5	6.1	FD 5	FM 5	FM 5	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2			
8928	MC 4	13.7	13.0	13.1	MC 4	13.0	MC 4	12.8	12.1	FC 4	11.4	13.2								
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2												
8930	MC 4	12.6	MC 4	13.1	12.8	13.2	13.3	MD 1	MD 1	MD 1	9.8	9.7	11.3	FD 1	FD 1					
8931	10.2	11.9	11.9	9.7	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	10.5	MC 4	MC 4	MC 4	7.8	8.3	10.1	MM 3	MM 3	MD 3	MD 2	9.5	9.2	8.1	8.1	FM 3	FD 3			
8933	NOT PREGNANT																			
8934	MC 4	9.3	10.7	MC 4	9.9	10.7	MD 2	8.1	8.4	8.1	9.5	FM 3	FD 2							
8935	11.3	MC 4	MC 4	9.6	9.6	10.5	MD 4	9.2	FC 4	10.6	10.7	11.5								
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	MS	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1				
8937	13.1	12.8	13.0	12.2	13.1	MS	11.9	12.2	11.3	FM 2	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	11.7	10.2	12.4	MD 1	MD 1	10.9	10.5	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	MC 4	MC 4	14.2	MC 4	13.2	MC 4	13.8	13.8	MD 2	MD 1	FC 4	9.8	13.8	10.4	10.8	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 20): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY				POSTPARTUM DAY 7							
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	MD 2	MD 2	MD 2	MM 2	MS	MS	FD 2	FD 2	FD 2	FD 2	FM 2	FS								
8949	MM 2	MD 2	MD 2	MD 2	MD 2	MD 2	FM 2	FM 2	FD 2	FD 2	FD 2	FD 2								
8950	MS	FD 1	FD 1	FD 1	FS															
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	MD 2	MD 2	MD 2	MD 2	MD 2	MD 2	MD 1	FD 2	FD 2	FD 2	FD 2	FD 2	FD 1							
8957	NOT PREGNANT																			
8959	MD 2	MD 2	MD 2	MD 2	MD 1	MS	MS	FD 2	FD 2	FD 2	FD 2	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	MD 2	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FM 2	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	MD 2	MM 1	MS	FM 2	FD 2	FM 1	FD 1						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	FD 2	FM 2	FD 1	FD 1	FS	FS	FS	FS										
8969	MD 1	MD 1	MD 1	FD 1	FM 1															
8970	MD 2	MD 2	MD 2	MD 2	MD 2	MS	FD 2	FD 2	FD 2	FD 2	FS									
8971	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	FM 2	FM 2	FM 2	FD 2	FD 2	FD 2							
8972	NOT PREGNANT																			
8973	MM 2	MD 1	MD 1	MD 1	MD 1	MD 1	MS	FD 1	FD 1	FD 1	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000451

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6195.9)

TABLE C36 (PAGE 21): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 14						
8801	MC 4	30.5	30.8	31.7	32.1	31.5	MS	30.6	29.5	30.3										
8803	30.2	26.7	MC 4	31.1	MC 4	31.1	MC 4	MS	FC 4	28.6	35.5	34.1	35.2							
8804	MC 4	35.2	MC 4	34.6	36.3	32.9	32.7	FC 4	FC 4	33.5	FC 4	33.0	FC 4	FC 4	31.9					
8805	27.5	28.6	27.4	26.8	24.1	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	24.0	23.9	23.5	FC 4	FM 4	FD 1			
8807	MC 4	MC 4	MC 4	34.7	MC 4	34.2	32.7	34.5	31.8	31.3	FC 4	31.9	32.5							
8808	31.6	28.1	27.6	29.2	29.4	29.5	FC 4	27.6	28.2	FS										
8811	35.5	MC 4	36.1	35.4	MC 4	34.9	34.2	33.8	33.2	FC 4	FC 4	34.6								
8812	35.7	35.8	34.0	36.3	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	32.4	FC 4	FC 4	35.8	FC 4	35.7	33.1			
8813	30.8	30.2	29.7	FC 4	27.4	28.3	29.9	FC 4	FC 4	32.2	30.5	FC 4								
8814	MC 4	39.0	40.4	MC 4	40.9	39.0	MC 4	38.8	FC 4	38.0	38.1	FC 4	35.8							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	35.2	36.5	34.3	34.3	FC 4	34.4	33.4	FC 4	FC 4	34.2	FC 4	33.4								
8821	MC 4	30.8	30.9	MC 4	32.1	31.0	MC 4	MC 4	30.4	30.9	FC 4	29.0	28.8	FM 2						
8823	31.1	30.0	30.9	MC 4	MC 4	MC 4	30.3	30.2	FC 4	30.4	29.8	28.4								
8824	MC 4	30.4	MC 4	MC 4	29.9	MC 4	21.8	MC 4	31.2	21.7	FC 4	30.7	28.3	29.4	FC 4					
8826	29.5	27.4	28.9	MC 4	29.7	FC 4	FC 4	28.1	28.4	27.3	26.0	FC 4	FC 4							
8827	22.6	MC 4	24.2	25.2	22.3	24.1	FC 4	FC 4	FC 4	23.8	22.6	FC 4	FC 4	19.5						
8828	33.1	33.2	MS	31.8	32.0	31.7	FC 4	32.0	FC 4	FC 4	33.1	FC 4	32.6	FS	FS					
8830	MC 4	29.5	MC 4	MC 4	MC 4	MC 4	30.2	28.7	31.1	MC 4	MC 4	FC 4	27.4	29.3	29.1	31.0				
8831	MC 4	MC 4	MC 4	MC 4	33.0	MC 4	31.2	32.9	MC 4	30.8	32.2	31.5	31.6	FC 4	31.8					
8832	32.4	MC 4	MC 4	28.6	30.4	30.8	29.6	FC 4	29.1	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	31.4	32.6			
8833	34.2	MC 4	34.4	33.0	34.6	MC 4	MC 4	MC 4	FC 4	29.4	31.3	31.1	FC 4	31.7	FD 1					
8834	31.4	MC 4	30.8	MC 4	31.2	31.9	MS	FC 4	FC 4	29.1	30.5	FC 4	29.0	30.7	FU	FU	UU			
8835	34.6	33.3	33.4	31.9	29.7	FC 4	FC 4	FC 4	MC 4	MC 4	MC 4	33.0	MC 4	31.9	MC 4	31.4				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 22): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II									0.1 MG/KG/DAY				POSTPARTUM DAY 14						
8838	MC 4	32.0	MC 4	30.7	32.8	MC 4	32.7	MC 4	MC 4	MC 4	FC 4	31.1	32.2	29.9	FC 4	FC 4	32.8			
8840	MC 4	MC 4	MC 4	MC 4	29.3	MC 4	31.5	MC 4	MC 4	31.9	MC 4	25.9	28.9	FC 4	30.2	FC 4	30.3	30.1	FD 1	
8841	33.2	MC 4	31.5	MC 4	32.7	MC 4	MC 4	MC 4	MC 4	32.5	30.9	30.2	33.3	FC 4	32.7					
8842	28.0	MC 4	28.5	29.9	28.3	FC 4	FC 4	FC 4	29.1	27.6	28.9	27.9	FC 4	FC 4	FC 4					
8845	30.4	29.7	29.5	FC 4	MD 1	FC 4	29.6	FC 4	30.4	28.5	30.4	30.5	FD 2							
8846	MC 4	MC 4	33.0	MC 4	MC 4	31.6	30.8	30.7	28.2	FC 4	FC 4	FC 4	30.4	30.9	29.7					
8847	26.9	27.4	MC 4	26.7	MC 4	MC 4	MC 4	MC 4	24.7	24.7	25.8	25.7	FC 4	26.4						
8849	28.3	30.9	MC 4	MC 4	MC 4	MC 4	MC 4	29.4	MC 4	28.7	26.8	FC 4	FC 4	29.3	28.1	28.1	FM 4			
8851	29.6	27.5	32.2	29.9	MC 4	FC 4	FC 4	FC 4	28.2	FC 4	26.5	30.2	28.7	FC 4	FD 1					
8852	31.0	MC 4	31.8	31.5	MC 4	31.0	31.0	30.3	31.3	31.7	UU	UU								
8853	MC 4	MC 4	29.2	MC 4	MC 4	29.7	MC 4	29.1	MC 4	MC 4	26.9	MC 4	MC 4	28.9	28.7	FC 4	28.7	FC 4	29.0	
8854	33.0	MC 4	34.7	MC 4	33.0	32.1	MC 4	MC 4	FC 4	33.6	32.1	28.5	30.8	FC 4						
8855	31.5	MC 4	29.0	30.5	32.5	29.8	FC 4	26.8	FC 4	FC 4	30.0	FC 4	28.0	FC 4	FC 4					
8857	31.0	MC 4	MC 4	MC 4	MC 4	31.4	32.6	MC 4	30.3	31.7	FC 4	29.8	30.2	33.1	FC 4					
8858	33.9	34.5	MS	FC 4	FC 4	32.4	30.5	30.2	30.0	31.8	34.0									
8860	MC 4	28.2	MC 4	MC 4	28.3	33.3	35.7	FC 4	31.7	29.5	28.5	FC 4	FC 4	FC 4	26.2					
8862	34.6	MC 4	36.3	MC 4	MC 4	35.2	36.0	34.3	FC 4	FC 4	34.7	33.5	FC 4	34.7						
8863	MC 4	31.1	MC 4	MC 4	MC 4	MC 4	MC 4	28.8	MC 4	32.5	MC 4	32.9	30.4	31.0	28.1	27.9				
8864	31.9	33.5	32.0	28.1	MC 4	32.2	30.7	32.5	FC 4	30.9										
8865	MC 4	33.1	31.0	MC 4	MC 4	MC 4	MC 4	30.3	30.7	MC 4	28.9	30.8	28.6	30.4						
8866	MC 4	25.2	MC 4	22.8	MC 4	MC 4	21.6	MC 4	26.6	FC 4	20.5	23.3	26.9	FC 4	FC 4	26.5				
8867	35.0	32.9	MC 4	28.0	34.3	24.1	FC 4	32.4	32.0	31.2	FC 4	FC 4	FC 4							
8868	34.5	36.0	MC 4	35.1	MC 4	MC 4	37.0	MD 2	33.3	FC 4	31.7	FC 4	32.6	33.5						
8869	30.6	29.8	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	31.8	33.0	MC 4	28.4	FC 4	30.8	27.7	28.6	FS			
8870	35.1	34.2	34.0	35.6	MC 4	31.7	FC 4	FC 4	32.0	31.4	33.5									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000453

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 23): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 14							
8871	NOT PREGNANT																			
8872	29.6	MC 4	31.2	31.8	29.4	MC 4	MC 4	MC 4	MS	29.5	27.9	28.1	FC 4	31.0						
8874	MC 4	MC 4	30.4	29.4	MC 4	MC 4	28.7	MC 4	MC 4	29.8	28.4	28.7	FC 4	26.7	27.0					
8875	MC 4	31.5	29.1	MC 4	MC 4	29.3	MC 4	29.5	MC 4	30.9	28.0	29.6	29.7							
8876	34.0	33.2	33.5	MD 1	37.6	31.9	31.7													
8881	29.6	30.6	32.9	MC 4	29.7	26.5	FC 4	FC 4	FC 4	28.5	27.5	FC 4	FC 4	28.7						
8882	MC 4	MC 4	MC 4	30.8	29.2	29.9	MC 4	31.0	FC 4	31.3	FC 4	31.1	FC 4	29.9	FC 4	29.5	FC 4			
8885	MC 4	MC 4	31.6	MC 4	MC 4	31.5	31.7	29.8	MS	28.7	FC 4	29.7	FC 4	31.2	32.7	FS				
8889	MC 4	MC 4	MC 4	MC 4	27.6	27.4	25.4	26.0	MC 4	26.2	27.7	26.3	23.2	FC 4						
8890	30.0	MC 4	29.9	31.0	31.5	FC 4	FC 4	30.7	30.4	29.8	FC 4	29.8								
8891	31.5	MC 4	MC 4	31.4	30.8	30.2	FC 4	FC 4	FC 4	30.7	28.9	31.2	FC 4	FC 4	31.9					
8892	26.5	28.9	MC 4	MC 4	28.3	29.8	FC 4	FC 4	27.2	27.6	28.7	27.5								
8893	MC 4	31.6	MC 4	MC 4	26.0	30.6	MC 4	33.3	16.7	25.8	27.7	19.8	FC 4							
8894	28.3	33.2	31.7																	
8895	MC 4	29.5	MC 4	28.8	29.2	MC 4	MC 4	28.8	MC 4	29.4	28.3	FC 4	28.6	FC 4	26.2	FC 4	FM 2			
8896	MC 4	34.1	32.6	MC 4	34.2	MC 4	32.6	MC 4	31.1	FC 4	FC 4	33.5	31.8	30.9						
8897	32.6	32.4	MC 4	33.6	32.6	FC 4	FC 4	32.6	31.2	31.4	FC 4	FC 4	30.9	FC 4						
8898	27.0	MC 4	26.3	27.0	25.9	MC 4	MC 4	MC 4	24.8	26.6	26.8	24.4	FS							
8899	33.8	MC 4	MC 4	33.8	29.8	MC 4	31.8	MD13	32.0	FC 4	32.9	FC 4	FC 4	FC 4	FC 4	30.6				
8900	33.2	31.7	31.8	31.2	MC 4	MC 4	FC 4	31.1	FC 4	32.8	30.8	FC 4	32.0	FC 4	FM 2	FS				
8901	22.4	24.2	26.9	24.3	MC 4	MC 4	FC 4	23.9	28.8	30.1	24.1	FC 4	FC 4							
8902	33.2	MC 4	31.3	30.6	MC 4	32.3	MC 4	FC 4	30.9	29.2	30.3	28.4	FC 4	FC 4	FM 3	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	35.1	MC 4	34.4	33.2	MC 4	MC 4	31.9	MC 4	FC 4	31.8	FC 4	FC 4	FC 4	FC 4	31.6	29.6	31.9	FC 4	FM 3	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 24): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV									1.6 MG/KG/DAY				POSTPARTUM DAY 14						
8906	MC 4	MC 4	26.0	28.3	27.6	25.5	MD 2	MD 2	26.4	28.1	24.4	25.7	FM 3	FD 1						
8909	27.0	24.6	29.3	28.2	26.8	FC 4	25.7	FC 4	27.5	FC 4	28.5									
8913	26.1	22.4	24.3	25.5	MD 3	FC 4	24.6	24.3	25.2	FC 4	26.1	FC 4								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	MC 4	MC 4	26.4	26.9	28.3	26.7	MC 4	MC 4	MC 4	MC 4	25.9	23.1	24.2	21.9	FC 4	FM 2				
8920	21.9	22.6	24.4	22.1	22.3	MD 2	24.4	FM 2	FD 1											
8921	25.8	27.3	26.5	MC 4	MC 4	25.6	26.9	25.4	MD 2	MS	MS	24.1	26.4							
8923	NOT PREGNANT																			
8925	26.3	MM 2	FC 4	26.4	21.5	24.2	27.3	22.2	26.7	FD10	FM 2	FD 2								
8926	22.7	MD 3	MD 2	21.6	21.2	16.8	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2								
8927	MD 5	MD 5	MD 5	MD 3	MD 2	MD 2	15.5	13.8	FD 5	FM 5	FM 5	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2			
8928	MC 4	26.9	25.5	28.4	MC 4	25.6	MC 4	25.7	24.9	FC 4	26.7	24.4								
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2												
8930	MC 4	28.9	MC 4	28.5	30.0	28.3	28.4	MD 1	MD 1	MD 1	24.0	27.7	23.4	FD 1	FD 1					
8931	27.1	24.0	23.4	26.8	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	19.4	MC 4	MC 4	MC 4	23.1	23.5	17.3	MM 3	MM 3	MD 3	MD 2	22.3	21.1	19.8	19.2	FM 3	FD 3			
8933	NOT PREGNANT																			
8934	MC 4	22.9	23.5	MC 4	25.5	25.8	MD 2	23.3	20.8	21.0	20.9	FM 3	FD 2							
8935	21.7	MC 4	MC 4	23.1	25.7	26.0	MD 4	23.5	FC 4	22.7	26.2	24.3								
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	MS	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1				
8937	28.3	27.2	29.5	27.6	28.6	MS	28.9	25.7	25.7	FM 2	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	26.1	22.9	21.6	MD 1	MD 1	23.4	21.5	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	MC 4	MC 4	29.6	MC 4	33.2	MC 4	29.2	30.8	MD 2	MD 1	FC 4	24.0	24.3	23.9	29.4	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 25): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY					POSTPARTUM DAY 14						
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	MD 2	MD 2	MD 2	MM 2	MS	MS	FD 2	FD 2	FD 2	FD 2	FM 2	FS								
8949	MM 2	MD 2	MD 2	MD 2	MD 2	MD 2	FM 2	FM 2	FD 2	FD 2	FD 2	FD 2								
8950	MS	FD 1	FD 1	FD 1	FS															
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	MD 2	MD 2	MD 2	MD 2	MD 2	MD 2	MD 1	FD 2	FD 2	FD 2	FD 2	FD 2	FD 1							
8957	NOT PREGNANT																			
8959	MD 2	MD 2	MD 2	MD 2	MD 1	MS	MS	FD 2	FD 2	FD 2	FD 2	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	MD 2	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FM 2	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	MD 2	MM 1	MS	FM 2	FD 2	FM 1	FD 1						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	FD 2	FM 2	FD 1	FD 1	FS	FS	FS	FS										
8969	MD 1	MD 1	MD 1	FD 1	FM 1															
8970	MD 2	MD 2	MD 2	MD 2	MD 2	MS	FD 2	FD 2	FD 2	FD 2	FS									
8971	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	FM 2	FM 2	FM 2	FD 2	FD 2	FD 2							
8972	NOT PREGNANT																			
8973	MM 2	MD 1	MD 1	MD 1	MD 1	MD 1	MS	FD 1	FD 1	FD 1	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 26): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I							0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 21						
8801	MC 4	47.1	47.4	47.0	45.8	46.0	MS	46.0	47.0	44.3										
8803	49.5	43.0	MC 4	56.5	MC 4	50.0	MC 4	MS	FC 4	50.9	43.9	46.8	55.0							
8804	MC 4	53.7	MC 4	55.8	55.2	59.7	51.1	FC 4	FC 4	52.3	FC 4	53.3	FC 4	FC 4	56.3					
8805	47.6	47.6	45.9	45.4	39.6	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	41.0	37.7	39.1	FC 4	FM 4	FD 1			
8807	MC 4	MC 4	MC 4	53.0	MC 4	56.3	55.4	52.5	50.1	50.9	FC 4	49.7	50.3							
8808	46.3	53.2	47.6	48.6	48.1	47.1	FC 4	50.0	48.6	FS										
8811	59.0	MC 4	60.0	58.0	MC 4	58.0	56.0	55.0	54.0	FC 4	FC 4	56.0								
8812	58.4	56.3	59.5	57.7	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	51.2	FC 4	FC 4	56.1	FC 4	52.6	55.8			
8813	52.4	50.3	50.2	FC 4	52.3	52.0	50.7	FC 4	FC 4	47.8	46.5	FC 4								
8814	MC 4	64.0	68.0	MC 4	64.0	63.0	MC 4	63.0	FC 4	56.0	62.0	FC 4	63.0							
8817	NOT PREGNANT																			
8818	NOT PREGNANT																			
8819	51.0	56.6	54.7	52.3	FC 4	52.5	50.2	FC 4	FC 4	52.6	FC 4	54.0								
8821	MC 4	51.9	50.3	MC 4	50.4	52.6	MC 4	MC 4	49.8	52.8	FC 4	49.7	49.0	FM 2						
8823	48.0	51.0	51.0	MC 4	MC 4	MC 4	50.0	48.0	FC 4	49.0	51.0	49.0								
8824	MC 4	47.0	MC 4	MC 4	48.0	MC 4	36.0	MC 4	49.0	46.0	FC 4	46.0	44.0	33.0	FC 4					
8826	43.0	43.0	45.0	MC 4	45.0	FC 4	FC 4	40.0	44.0	42.0	42.0	FC 4	FC 4							
8827	42.4	MC 4	42.8	39.5	40.8	42.9	FC 4	FC 4	FC 4	36.1	40.7	FC 4	FC 4	36.2						
8828	53.0	52.1	MS	50.9	52.2	52.1	FC 4	49.6	FC 4	FC 4	50.6	FC 4	49.7	FS	FS					
8830	MC 4	54.3	MC 4	MC 4	MC 4	MC 4	50.1	45.4	49.8	MC 4	MC 4	FC 4	50.3	46.1	47.3	43.8				
8831	MC 4	MC 4	MC 4	MC 4	49.0	MC 4	50.0	51.0	MC 4	49.0	49.0	49.0	48.0	FC 4	49.0					
8832	48.7	MC 4	MC 4	49.9	50.6	52.4	51.0	FC 4	50.4	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	50.2	47.1			
8833	53.4	MC 4	56.7	52.3	52.8	MC 4	MC 4	MC 4	FC 4	49.6	45.1	47.8	FC 4	48.4	FD 1					
8834	47.0	MC 4	47.0	MC 4	46.0	47.0	MS	FC 4	FC 4	44.0	43.0	FC 4	43.0	45.0	FU	FU	UU			
8835	50.0	54.0	51.0	53.0	47.0	FC 4	FC 4	FC 4	MC 4	MC 4	MC 4	50.0	MC 4	49.0	MC 4	47.0				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)

000457

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 27): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP II									0.1 MG/KG/DAY				POSTPARTUM DAY 21						
8838	MC 4	49.3	MC 4	50.6	53.2	MC 4	52.1	MC 4	MC 4	MC 4	FC 4	47.9	50.3	51.5	FC 4	FC 4	47.3			
8840	MC 4	MC 4	MC 4	MC 4	41.6	MC 4	51.9	MC 4	MC 4	51.3	MC 4	48.0	47.7	FC 4	45.6	FC 4	47.2	47.7	FD 1	
8841	48.0	MC 4	49.0	MC 4	48.0	MC 4	MC 4	MC 4	49.0	47.0	49.0	47.0	FC 4	53.0						
8842	43.6	MC 4	46.2	45.1	45.7	FC 4	FC 4	FC 4	45.5	45.1	47.5	48.4	FC 4	FC 4	FC 4					
8845	51.0	51.5	52.8	FC 4	MD 1	FC 4	47.4	FC 4	51.6	49.9	50.4	51.4	FD 2							
8846	MC 4	MC 4	48.8	MC 4	MC 4	47.6	48.9	53.6	48.6	FC 4	FC 4	FC 4	48.5	46.9	44.9					
8847	47.0	44.1	MC 4	44.3	MC 4	MC 4	MC 4	MC 4	48.6	46.7	44.1	44.0	FC 4	43.7						
8849	44.6	47.3	MC 4	MC 4	MC 4	MC 4	MC 4	47.1	MC 4	45.7	43.3	FC 4	FC 4	44.4	44.4	44.5	FM 4			
8851	50.0	50.0	46.0	55.0	MC 4	FC 4	FC 4	FC 4	41.0	FC 4	46.0	48.0	50.0	FC 4	FD 1					
8852	50.0	MC 4	49.0	50.0	MC 4	48.0	51.0	48.0	48.0	49.0	UU	UU								
8853	MC 4	MC 4	43.6	MC 4	MC 4	47.7	MC 4	46.0	MC 4	MC 4	47.5	MC 4	MC 4	46.1	48.6	FC 4	46.3	FC 4	46.6	
8854	48.0	MC 4	48.0	MC 4	53.0	49.0	MC 4	MC 4	FC 4	44.0	51.0	50.0	47.0	FC 4						
8855	45.0	MC 4	44.0	45.0	45.0	42.0	FC 4	40.0	FC 4	FC 4	41.0	FC 4	44.0	FC 4	FC 4					
8857	54.0	MC 4	MC 4	MC 4	MC 4	51.0	50.0	MC 4	52.0	53.0	FC 4	50.0	50.0	54.0	FC 4					
8858	54.0	56.0	MS	FC 4	FC 4	52.0	48.0	53.0	50.0	54.0	50.0									
8860	MC 4	47.0	MC 4	MC 4	52.0	54.0	47.0	FC 4	43.0	45.0	48.0	FC 4	FC 4	FC 4	49.0					
8862	55.5	MC 4	58.9	MC 4	MC 4	59.7	59.5	54.8	FC 4	FC 4	58.2	55.2	FC 4	55.7						
8863	MC 4	45.2	MC 4	MC 4	MC 4	MC 4	MC 4	45.6	MC 4	49.6	MC 4	44.4	50.3	45.9	42.5	42.8				
8864	48.9	52.0	48.9	45.6	MC 4	50.9	48.0	48.0	FC 4	48.0										
8865	MC 4	52.0	54.0	MC 4	MC 4	MC 4	MC 4	51.0	50.0	MC 4	50.0	47.0	51.0	48.0						
8866	MC 4	40.1	MC 4	37.6	MC 4	MC 4	41.5	MC 4	37.6	FC 4	35.1	42.1	41.5	FC 4	FC 4	38.4				
8867	49.0	56.0	MC 4	57.0	56.0	42.0	FC 4	50.0	52.0	52.0	FC 4	FC 4	FC 4							
8868	51.1	57.3	MC 4	57.0	MC 4	MC 4	52.8	MD 2	53.3	FC 4	52.1	FC 4	50.1	51.5						
8869	48.0	48.0	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	53.0	51.0	MC 4	47.0	FC 4	44.0	51.0	45.0	FS			
8870	54.7	53.8	53.1	53.2	MC 4	50.4	FC 4	FC 4	47.3	48.0	48.6									

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 28): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 21							
8871	NOT PREGNANT																			
8872	49.9	MC 4	50.8	55.0	49.4	MC 4	MC 4	MC 4	MS	46.5	49.7	47.7	FC 4	52.7						
8874	MC 4	MC 4	48.0	50.8	MC 4	MC 4	50.8	MC 4	MC 4	46.8	49.1	48.3	FC 4	46.6	45.6					
8875	MC 4	51.0	50.0	MC 4	MC 4	49.0	MC 4	49.0	MC 4	48.0	51.0	48.0	48.0							
8876	57.0	58.0	57.0	MD 1	55.0	59.0	52.0													
8881	50.0	50.0	52.0	MC 4	48.0	45.0	FC 4	FC 4	FC 4	48.0	45.0	FC 4	FC 4	42.0						
8882	MC 4	MC 4	MC 4	55.0	52.0	53.0	MC 4	52.0	FC 4	51.0	FC 4	52.0	FC 4	55.0	FC 4	56.0	FC 4			
8885	MC 4	MC 4	52.0	MC 4	MC 4	49.0	54.0	51.0	MS	48.0	FC 4	51.0	FC 4	53.0	50.0	FS				
8889	MC 4	MC 4	MC 4	MC 4	38.4	39.0	37.0	39.2	MC 4	35.8	36.1	40.9	34.5	FC 4						
8890	50.9	MC 4	50.9	51.1	51.4	FC 4	FC 4	51.1	52.6	49.6	FC 4	52.7								
8891	50.8	MC 4	MC 4	47.7	48.3	47.4	FC 4	FC 4	FC 4	44.8	48.9	48.1	FC 4	FC 4	49.6					
8892	40.0	40.0	MC 4	MC 4	39.0	36.0	FC 4	FC 4	38.0	40.0	37.0	39.0								
8893	MC 4	56.1	MC 4	MC 4	49.8	35.9	MC 4	51.8	42.0	47.1	FD17	FD16	FC 4							
8894	48.6	43.7	44.3																	
8895	MC 4	50.3	MC 4	48.0	46.9	MC 4	MC 4	42.7	MC 4	47.2	47.0	FC 4	45.3	FC 4	43.8	FC 4	FM 2			
8896a	MC 4	56.0	52.0	MC 4	51.0	MC 4	51.0	MC 4	48.0	FC 4	FC 4	48.0	48.0	48.0						
8897a	45.0	46.0	MC 4	48.0	45.0	FC 4	FC 4	48.0	46.0	47.0	FC 4	FC 4	43.0	FC 4						
8898	43.0	MC 4	42.8	46.1	41.6	MC 4	MC 4	MC 4	40.8	46.5	41.0	41.5	FS							
8899	51.0	MC 4	MC 4	53.0	56.0	MC 4	56.0	MD13	52.0	FC 4	56.0	FC 4	FC 4	FC 4	FC 4	53.0				
8900	50.0	50.0	54.0	55.0	MC 4	MC 4	FC 4	51.0	FC 4	50.0	52.0	FC 4	52.0	FC 4	FM 2	FS				
8901	40.0	41.0	47.0	51.0	MC 4	MC 4	FC 4	49.0	49.0	45.0	41.0	FC 4	FC 4							
8902	49.9	MC 4	54.2	50.1	MC 4	48.6	MC 4	FC 4	45.8	46.8	48.4	48.7	FC 4	FC 4	FM 3	FS				
8903	NOT PREGNANT																			
8904	NOT PREGNANT																			
8905	52.4	MC 4	55.0	54.6	MC 4	MC 4	50.5	MC 4	FC 4	47.3	FC 4	FC 4	FC 4	FC 4	50.5	49.2	51.2	FC 4	FM 3	

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 29): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV								1.6 MG/KG/DAY				POSTPARTUM DAY 21							
8906	MC 4	MC 4	39.0	41.9	42.5	45.7	MD 2	MD 2	41.1	38.7	46.8	42.5	FM 3	FD 1						
8909	37.0	46.0	42.0	43.0	43.0	FC 4	44.0	FC 4	43.0	FC 4	41.0									
8913	41.0	39.0	44.0	36.0	MD 3	FC 4	41.0	41.0	42.0	FC 4	39.0	FC 4								
8914	NOT PREGNANT																			
8918	NOT PREGNANT																			
8919	MC 4	MC 4	48.9	45.0	45.3	46.0	MC 4	MC 4	MC 4	MC 4	42.7	41.5	41.0	38.2	FC 4	FM 2				
8920	42.0	42.0	38.0	42.0	39.0	MD 2	38.0	FM 2	FD 1											
8921	42.9	46.1	45.5	MC 4	MC 4	45.7	45.3	43.6	MD 2	MS	MS	43.4	39.7							
8923	NOT PREGNANT																			
8925	37.5	MM 2	FC 4	36.7	34.3	34.2	37.8	38.1	29.2	FD10	FM 2	FD 2								
8926	35.8	MD 3	MD 2	34.6	29.4	34.7	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2								
8927	MD 5	MD 5	MD 5	MD 3	MD 2	MD 2	27.4	34.9	FD 5	FM 5	FM 5	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2			
8928	MC 4	47.7	40.8	41.0	MC 4	43.9	MC 4	42.7	41.1	FC 4	39.7	42.9								
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2												
8930	MC 4	48.3	MC 4	47.9	52.4	47.0	50.4	MD 1	MD 1	MD 1	46.7	37.6	39.0	FD 1	FD 1					
8931	41.0	45.0	45.0	42.0	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1									
8932	34.3	MC 4	MC 4	MC 4	38.8	38.9	32.3	MM 3	MM 3	MD 3	MD 2	35.7	37.8	33.3	33.8	FM 3	FD 3			
8933	NOT PREGNANT																			
8934	MC 4	39.2	38.7	MC 4	38.3	37.3	MD 2	33.5	33.7	36.5	35.4	FM 3	FD 2							
8935	42.0	MC 4	MC 4	42.9	37.1	38.7	MD 4	42.5	FC 4	38.6	37.1	40.4								
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	MS	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1				
8937	45.1	48.2	41.4	46.2	44.2	MS	46.2	40.6	41.7	FM 2	FS									
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																			
8939	39.0	37.0	41.0	MD 1	MD 1	37.0	38.0	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1							
8940	MC 4	MC 4	50.1	MC 4	50.9	MC 4	46.8	49.6	MD 2	MD 1	FC 4	46.5	40.9	38.9	38.7	FS				

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C36 (PAGE 30): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP V								3.2 MG/KG/DAY				POSTPARTUM DAY 21							
8942	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1														
8943	MD 1	MS	MS	MS	MS	FD 1														
8944	MD 1	MS	FS	FD 1	FD 1															
8945	NOT PREGNANT																			
8946	MD 2	MD 2	MD 2	MM 2	MS	MS	FD 2	FD 2	FD 2	FD 2	FM 2	FS								
8949	MM 2	MD 2	MD 2	MD 2	MD 2	MD 2	FM 2	FM 2	FD 2	FD 2	FD 2	FD 2								
8950	MS	FD 1	FD 1	FD 1	FD 1	FS														
8952	NOT PREGNANT																			
8955	MS	MD 1	MD 1	MD 1	MD 1	FS	FD 1	FD 1	FD 1											
8956	MD 2	MD 2	MD 2	MD 2	MD 2	MD 2	MD 1	FD 2	FD 2	FD 2	FD 2	FD 2	FD 1							
8957	NOT PREGNANT																			
8959	MD 2	MD 2	MD 2	MD 2	MD 1	MS	MS	FD 2	FD 2	FD 2	FD 2	FD 1	FS							
8960	MD 1	MD 1	MD 1	MS	MS	MS	MS	FD 1	FS	FS	FS	FS	FS							
8961	MD 2	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FM 2	FD 1	FS	FS						
8962	MS	MS	MS	FD 1																
8964	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	MD 2	MM 1	MS	FM 2	FD 2	FM 1	FD 1						
8967	MS	MS	MS	FS	FS	FS	FS	FS	UU											
8968	MS	MS	FD 2	FM 2	FD 1	FD 1	FS	FS	FS	FS										
8969	MD 1	MD 1	MD 1	FD 1	FM 1															
8970	MD 2	MD 2	MD 2	MD 2	MD 2	MS	FD 2	FD 2	FD 2	FD 2	FS									
8971	MM 2	MM 2	MM 2	MM 2	MD 2	MD 2	MD 2	FM 2	FM 2	FM 2	FD 2	FD 2	FD 2							
8972	NOT PREGNANT																			
8973	MM 2	MD 1	MD 1	MD 1	MD 1	MD 1	MS	FD 1	FD 1	FD 1	FD 1									
8974	MD 1	MD 1	MD 1	MD 1	MS	MS	FD 1	FD 1	FD 1	FD 1	FS									
8975	MD 1	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000461

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C37 (PAGE 1): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP I										0 (VEHICLE) MG/KG/DAY												
8801	MC 4	M A	M A	M A	M A	M A	M S	F A	F A	F A													
8803	M A	M A	MC 4	M A	MC 4	M A	MC 4	M S	FC 4	F A	F A	F A	F A										
8804	MC 4	M A	MC 4	M A	M A	M A	F A	FC 4	FC 4	F A	FC 4	F A	FC 4	FC 4	F A								
8805	M A	M A	M A	M A	F A	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	F A	F A	F A	FC 4	FM 4	FD 1						
8807	MC 4	MC 4	MC 4	M A	MC 4	M A	M A	M A	F A	F A	FC 4	F A	F A										
8808	M A	M A	M A	F A	F A	F A	FC 4	F A	F A	F S													
8811	M A	MC 4	M A	M A	MC 4	M A	F A	F A	F A	FC 4	FC 4	F A											
8812	M A	M A	M A	M A	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	F A						
8813	M A	M A	M A	FC 4	F A	F A	F A	FC 4	FC 4	F A	F A	FC 4											
8814	MC 4	M A	M A	MC 4	M A	M A	MC 4	F A	FC 4	F A	F A	FC 4	F A										
8817	NOT PREGNANT																						
8818	NOT PREGNANT																						
8819	M A	M A	M A	F A	FC 4	F A	F A	FC 4	FC 4	F A	FC 4	F A											
8821	MC 4	M A	M A	MC 4	M A	F A	MC 4	MC 4	F A	F A	FC 4	F A	F A	FM 2									
8823	M A	M A	M A	MC 4	MC 4	MC 4	M A	F A	FC 4	F A	F A	F A											
8824	MC 4	M A	MC 4	MC 4	M A	MC 4	M A	MC 4	M A	F A	FC 4	F A	F A	F A	FC 4								
8826	M A	M A	M A	MC 4	M A	FC 4	FC 4	F A	F A	F A	F A	FC 4	FC 4										
8827	M A	MC 4	M A	M A	M A	F A	FC 4	FC 4	FC 4	F A	F A	FC 4	FC 4	F A									
8828	M A	M A	M S	F A	F A	F A	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	F S	F S								
8830	MC 4	M A	MC 4	MC 4	MC 4	MC 4	M A	M A	M A	MC 4	MC 4	FC 4	F A	F A	F A	F A							
8831	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	M A	MC 4	M A	F A	F A	F A	FC 4	F A								
8832	M A	MC 4	MC 4	M A	M A	M A	F A	FC 4	F A	FC 4	FC 4	FC 4	FC 4	FC 4	F A	F A							
8833	M A	MC 4	M A	M A	M A	MC 4	MC 4	MC 4	FC 4	F A	F A	F A	FC 4	F A	FD 1								
8834	M A	MC 4	M A	MC 4	M A	M A	M S	FC 4	FC 4	F A	F A	FC 4	F A	F A	F U	F U	U U						
8835	M A	M A	M A	M A	F A	FC 4	FC 4	FC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	MC 4	M A							

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000462

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C37 (PAGE 2): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP II										0.1 MG/KG/DAY												
8838	MC 4	M A	MC 4	M A	M A	MC 4	M A	MC 4	MC 4	MC 4	FC 4	F A	F A	F A	FC 4	FC 4	F A						
8840	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	MC 4	MC 4	M A	MC 4	M A	F A	FC 4	F A	FC 4	F A	F A	FD 1				
8841	M A	MC 4	M A	MC 4	M A	MC 4	MC 4	MC 4	M A	F A	F A	F A	FC 4	F A									
8842a	M A	MC 4	M A	M A	M A	FC 4	FC 4	FC 4	F A	F A	F A	F A	FC 4	FC 4	FC 4								
8845	M A	M A	M A	FC 4	MD 1	FC 4	F A	FC 4	F A	F A	F A	F A	FD 2										
8846	MC 4	MC 4	M A	MC 4	MC 4	M A	M A	M A	F A	FC 4	FC 4	FC 4	F A	F A	F A								
8847	M A	M A	MC 4	M A	MC 4	MC 4	MC 4	MC 4	M A	F A	F A	F A	FC 4	F A									
8849	M A	M A	MC 4	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	F A	FC 4	FC 4	F A	F A	F A	FM 4						
8851	M A	M A	M A	M A	MC 4	FC 4	FC 4	FC 4	F A	FC 4	F A	F A	F A	FC 4	FD 1								
8852	M A	MC 4	M A	M A	MC 4	M A	M A	F A	F A	F A	U	U	U	U									
8853	MC 4	MC 4	M A	MC 4	MC 4	M A	MC 4	M A	MC 4	MC 4	M A	MC 4	MC 4	F A	F A	FC 4	F A	FC 4	F A				
8854	M A	MC 4	M A	MC 4	M A	M A	MC 4	MC 4	FC 4	F A	F A	F A	F A	FC 4									
8855	M A	MC 4	M A	M A	M A	F A	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	FC 4	FC 4								
8857	M A	MC 4	MC 4	MC 4	MC 4	M A	M A	MC 4	M A	F A	FC 4	F A	F A	F A	FC 4								
8858	M A	M A	M S	FC 4	FC 4	F A	F A	F A	F A	F A	F A												
8860	MC 4	M A	MC 4	MC 4	M A	M A	M A	FC 4	F A	F A	F A	FC 4	FC 4	FC 4	F A								
8862	M A	MC 4	M A	MC 4	MC 4	M A	M A	F A	FC 4	FC 4	F A	F A	FC 4	F A									
8863	MC 4	M A	MC 4	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	MC 4	M A	F A	F A	F A	F A							
8864	M A	M A	M A	M A	MC 4	F A	F A	F A	FC 4	F A													
8865	MC 4	M A	M A	MC 4	MC 4	MC 4	MC 4	M A	M A	MC 4	F A	F A	F A	F A									
8866	MC 4	M A	MC 4	M A	MC 4	MC 4	M A	MC 4	M A	FC 4	F A	F A	F A	FC 4	FC 4	F A							
8867	M A	M A	MC 4	M A	M A	F A	FC 4	F A	F A	F A	FC 4	FC 4	FC 4										
8868	M A	M A	MC 4	M A	MC 4	MC 4	M A	MD 2	F A	FC 4	F A	FC 4	F A	F A									
8869	M A	M A	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	M A	M A	MC 4	F A	FC 4	F A	F A	F A	F S						
8870	M A	M A	M A	M A	MC 4	F A	FC 4	FC 4	F A	F A	F A												

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 postpartum excluded from group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C37 (PAGE 3): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP III											0.4 MG/KG/DAY											
8871	NOT PREGNANT																						
8872	M	A	MC	4	M	A	M	A	M	A	MC	4	MC	4	MC	4	M	S	F	A	F	A	F	A	FC	4	F	A
8874a	MC	4	MC	4	M	A	M	A	MC	4	MC	4	M	A	MC	4	MC	4	M	A	M	A	F	A	FC	4	F	A	F	A
8875	MC	4	M	A	M	A	MC	4	MC	4	M	A	MC	4	M	A	MC	4	F	A	F	A	F	A	F	A				
8876	M	A	M	A	M	A	MD	1	F	A	F	A	F	A																
8881	M	A	M	A	M	A	MC	4	M	A	F	A	FC	4	FC	4	FC	4	F	A	F	A	FC	4	FC	4	F	A		
8882	MC	4	MC	4	MC	4	M	A	M	A	M	A	MC	4	M	A	FC	4	F	A	FC	4	F	A	FC	4	F	A	FC	4
8885	MC	4	MC	4	M	A	MC	4	MC	4	M	A	M	A	M	A	M	S	F	A	FC	4	F	A	FC	4	F	A	M	A
8889	F	S	MC	4	MC	4	MC	4	MC	4	M	A	M	A	M	A	M	A	MC	4	F	A	F	A	F	A	F	A	FC	4
8890	M	A	MC	4	M	A	M	A	M	A	FC	4	FC	4	F	A	F	A	F	A	FC	4	F	A						
8891	M	A	MC	4	MC	4	M	A	M	A	M	A	FC	4	FC	4	FC	4	F	A	F	A	F	A	FC	4	FC	4	F	A
8892	M	A	M	A	MC	4	MC	4	M	A	M	A	FC	4	FC	4	F	A	F	A	F	A	F	A						
8893	MC	4	M	A	MC	4	MC	4	M	A	M	A	MC	4	M	A	F	A	F	A	FD17		FD16		FC	4				
8894	M	A	M	A	F	A																								
8895	MC	4	M	A	MC	4	M	A	M	A	MC	4	MC	4	M	A	MC	4	F	A	F	A	FC	4	F	A	FC	4	F	A
8896b	FC	4	FM	2	MC	4	M	A	M	A	MC	4	M	A	MC	4	M	A	MC	4	F	A	FC	4	FC	4	F	A	F	A
8897b	F	A	M	A	MC	4	M	A	M	A	FC	4	FC	4	F	A	F	A	F	A	FC	4	FC	4	F	A	FC	4		
8898	M	A	MC	4	M	A	M	A	M	A	MC	4	MC	4	MC	4	F	A	F	A	F	A	F	A	F	S				
8899a	M	A	MC	4	MC	4	M	A	M	A	MC	4	M	A	MD	13	F	A	FC	4	F	A	FC	4	FC	4	FC	4	FC	4	F	A
8900	M	A	M	A	M	A	M	A	MC	4	MC	4	FC	4	F	A	FC	4	F	A	F	A	FC	4	F	A	FC	4	FM	2	F	S
8901	M	A	M	A	M	A	F	A	MC	4	MC	4	FC	4	F	A	F	A	F	A	F	A	FC	4	FC	4					
8902	M	A	MC	4	M	A	M	A	MC	4	M	A	MC	4	FC	4	F	A	F	A	F	A	F	A	FC	4	FC	4	FM	3	F	S
8903	NOT PREGNANT																													
8904	NOT PREGNANT																													
8905	M	A	MC	4	M	A	M	A	MC	4	MC	4	M	A	MC	4	FC	4	F	A	FC	4	FC	4	FC	4	FC	4	F	A	F	A	F	A	FC	4	FM	3

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

a. A sexing error was found prior to weighing the pups on day 7 postpartum; values for day 4 postpartum postculling were excluded from group averages and statistical analyses.

b. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C37 (PAGE 4): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV										1.6 MG/KG/DAY												
8906	MC 4	MC 4	M A	M A	M A	M A	MD 2	MD 2	F A	F A	F A	F A	FM 3	FD 1									
8909	M A	M A	M A	M A	F A	FC 4	F A	FC 4	F A	FC 4	F A												
8913	M A	M A	M A	M A	MD 3	FC 4	F A	F A	F A	FC 4	F A	FC 4											
8914	NOT PREGNANT																						
8918	NOT PREGNANT																						
8919	MC 4	MC 4	M A	M A	M A	M A	MC 4	MC 4	MC 4	MC 4	F A	F A	F A	F A	FC 4	FM 2							
8920	M A	M A	M A	M A	M A	MD 2	F A	FM 2	FD 1														
8921	M A	M A	M A	MC 4	MC 4	M A	M A	M A	MD 2	M S	M S	F A	F A										
8923	NOT PREGNANT																						
8925	M A	MM 2	FC 4	F A	F A	F A	F A	F A	F A	FD10	FM 2	FD 2											
8926	M A	MD 3	MD 2	F A	F A	F A	FM 3	FM 3	FD 2	FD 2	FD 2	FD 2											
8927	MD 5	MD 5	MD 5	MD 3	MD 2	MD 2	F A	F A	FD 5	FM 5	FM 5	FM 4	FD 3	FD 3	FD 2	FD 2	FD 2						
8928	MC 4	M A	M A	M A	MC 4	M A	MC 4	F A	F A	FC 4	F A	F A											
8929	MM 2	MM 2	MM 2	MM 2	MM 2	MM 2	FM 2	FM 2															
8930	MC 4	M A	MC 4	M A	M A	M A	M A	MD 1	MD 1	MD 1	F A	F A	F A	FD 1	FD 1								
8931	M A	M A	M A	M A	MD 1	MD 1	MD 1	MD 1	MD 1	FD 1	FD 1												
8932	M A	MC 4	MC 4	MC 4	M A	M A	M A	MM 3	MM 3	MD 3	MD 2	F A	F A	F A	F A	FM 3	FD 3						
8933	NOT PREGNANT																						
8934	MC 4	M A	M A	MC 4	M A	M A	MD 2	F A	F A	F A	F A	FM 3	FD 2										
8935	M A	MC 4	MC 4	M A	M A	M A	MD 4	F A	FC 4	F A	F A	F A											
8936	MD 4	MD 4	MD 4	MD 4	MD 2	MM 2	MD 2	MD 1	M S	MD 1	FD 4	FD 4	FD 3	FD 3	FD 1	FD 1							
8937	M A	M A	M A	M A	M A	M S	F A	F A	F A	FM 2	F S												
8938	MORIBUND SACRIFICED ON DAY 36 OF STUDY																						
8939	M A	M A	M A	MD 1	MD 1	F A	F A	FD 1	FD 1	FD 1	FD 1	FD 1	FD 1										
8940	MC 4	MC 4	M A	MC 4	M A	MC 4	M A	M A	MD 2	MD 1	FC 4	F A	F A	F A	F A	F S							

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000465

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C37 (PAGE 5): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP V																						3.2 MG/KG/DAY
8942	MD	1	MD	1	MD	1	MD	1	FD	1	FD	1											
8943	MD	1	M	S	M	S	M	S	M	S	FD	1											
8944	MD	1	M	S	F	S	FD	1	FD	1													
8945	NOT PREGNANT																						
8946	MD	2	MD	2	MD	2	MM	2	M	S	M	S	FD	2	FD	2	FD	2	FD	2	FM	2	F	S
8949	MM	2	MD	2	MD	2	MD	2	MD	2	MD	2	FM	2	FM	2	FD	2	FD	2	FD	2	FD	2
8950	M	S	FD	1	FD	1	FD	1	FD	1	F	S											
8952	NOT PREGNANT																						
8955	M	S	MD	1	MD	1	MD	1	MD	1	F	S	FD	1	FD	1	FD	1					
8956	MD	2	MD	2	MD	2	MD	2	MD	2	MD	2	MD	1	FD	2	FD	2	FD	2	FD	2	FD	2	FD	1
8957	NOT PREGNANT																						
8959	MD	2	MD	2	MD	2	MD	2	MD	1	M	S	M	S	FD	2	FD	2	FD	2	FD	2	FD	1	F	S
8960	MD	1	MD	1	MD	1	M	S	M	S	M	S	M	S	FD	1	F	S	F	S	F	S	F	S	F	S
8961	MD	2	MD	2	MD	2	MD	2	MD	2	MM	2	M	S	FD	2	FD	2	FD	2	FM	2	FD	1	F	S	F	S
8962	M	S	M	S	M	S	FD	1															
8964	MM	2	MM	2	MM	2	MM	2	MD	2	MD	2	MD	2	MD	2	MM	1	M	S	FM	2	FD	2	FM	1	FD	1
8967	M	S	M	S	M	S	F	S	F	S	F	S	F	S	F	S	U	U										
8968	M	S	M	S	FD	2	FM	2	FD	1	FD	1	F	S	F	S	F	S	F	S								
8969	MD	1	MD	1	MD	1	FD	1	FM	1													
8970	MD	2	MD	2	MD	2	MD	2	MD	2	M	S	FD	2	FD	2	FD	2	FD	2	F	S						
8971	MM	2	MM	2	MM	2	MM	2	MD	2	MD	2	MD	2	FM	2	FM	2	FM	2	FD	2	FD	2	FD	2		
8972	NOT PREGNANT																						
8973	MM	2	MD	1	MD	1	MD	1	MD	1	MD	1	M	S	FD	1	FD	1	FD	1	FD	1						
8974	MD	1	MD	1	MD	1	MD	1	M	S	M	S	FD	1	FD	1	FD	1	FD	1	F	S						
8975	MD	1	MD	1	MD	1	MD	1	MD	1	MD	1	FD	1	FD	1	FD	1	FD	1	FD	1	FD	1				

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000466

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C38 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I 0 (VEHICLE)	8819	1- 4	1/12 PUPS: LEFT HINDPAW, THIRD AND FOURTH DIGITS, MISSING.
		5-21	1/ 8 PUPS: LEFT HINDPAW, THIRD AND FOURTH DIGITS, MISSING.
	8826	14-21	1/ 8 PUPS: TAIL, BENT (2.0 CM FROM BASE).b
II 0.1	8867	7-21	1/8 PUPS: UMBILICAL HERNIA.b
III 0.4	8893	14-15	2/8 PUPS: HEAD, DOMED.
		16	3/7 PUPS: HEAD, DOMED.
		17-21	2/6 PUPS: HEAD, DOMED.b
IV 1.6	8925	2- 4	1/ 9 PUPS: PORTION OF TAIL MISSING.
		5-10	1/ 8 PUPS: PORTION OF TAIL MISSING.
		11-21	1/ 7 PUPS: PORTION OF TAIL MISSING.b
	8927	15-21	1/ 2 PUPS: HEAD, DOMED.
V 3.2	8961	1	1/10 PUPS: TAIL MISSING.
	8964	1	13/13 PUPS: NOT NURSING, PLACENTA NOT REMOVED.
	8968	1	2/ 2 PUPS: NOT NURSING OR NESTING.
	8969	1	1/ 3 PUPS: LEFT FORELIMB, CANNIBALIZED.
	8970	1	9/ 9 PUPS: NOT NURSING, PLACENTA NOT REMOVED.

a. Tabulation restricted to adverse observations; all other pups appeared normal.
b. Observation confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 1): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY								
8801	5/ 9	1/ 9	5/ 9	9/ 9									
	55.6%	11.1%	55.6%	100.0%									
8803	5/12	5/12	4/12	12/12									
	41.7%	41.7%	33.3%	100.0%									
8804	11/15	5/15	3/15	6/15	5/ 8	6/ 8	6/ 8	6/ 8	6/ 8	7/ 8	8/ 8		
	73.3%	33.3%	20.0%	40.0%	62.5%	75.0%	75.0%	75.0%	75.0%	87.5%	100.0%		
8805	12/16	5/16	2/16	7/15	6/ 8	8/ 8							
	75.0%	31.2%	12.5%	46.7%	75.0%	100.0%							
8807	5/13	2/13	7/13	13/13									
	38.5%	15.4%	53.8%	100.0%									
8808	5/ 9	4/ 9	6/ 9	7/ 9	8/ 8								
	55.6%	44.4%	66.7%	77.8%	100.0%								
8811	4/12	12/12											
	33.3%	100.0%											
8812	11/17	13/17	12/17	11/17	7/ 8	8/ 8							
	64.7%	76.5%	70.6%	64.7%	87.5%	100.0%							
8813	6/12	5/12	8/12	12/12									
	50.0%	41.7%	66.7%	100.0%									
8814	8/13	11/13	13/13										
	61.5%	84.6%	100.0%										
8819	10/12	3/12	4/12	10/12	8/ 8								
	83.3%	25.0%	33.3%	83.3%	100.0%								
8821	6/14	9/13	11/13	10/13	8/ 8								
	42.8%	69.2%	84.6%	76.9%	100.0%								
8823	2/12	1/12	9/12	12/12									
	16.7%	8.3%	75.0%	100.0%									
8824	4/15	3/15	6/15	8/15	4/ 8	5/ 8	4/ 8	6/ 8	7/ 8	8/ 8			
	26.7%	20.0%	40.0%	53.3%	50.0%	62.5%	50.0%	75.0%	87.5%	100.0%			
8826	2/13	4/13	3/13	1/13	3/ 8	1/ 8	6/ 8	6/ 8	7/ 8	8/ 8			
	15.4%	30.8%	23.1%	7.7%	37.5%	12.5%	75.0%	75.0%	87.5%	100.0%			
8827	5/14	3/14	1/14	3/14	4/ 8	4/ 8	8/ 8						
	35.7%	21.4%	7.1%	21.4%	50.0%	50.0%	100.0%						
8828	6/12	8/12	7/12	12/12									
	50.0%	66.7%	58.3%	100.0%									

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000468

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 2): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY								
8830	8/16	3/16	10/16	16/16									
	50.0%	18.8%	62.5%	100.0%									
8831	9/15	4/15	6/15	15/15									
	60.0%	26.7%	40.0%	100.0%									
8832	5/17	3/17	7/17	7/17	8/ 8								
	29.4%	17.6%	41.2%	41.2%	100.0%								
8833	1/14	6/14	2/14	9/14	8/ 8								
	7.1%	42.8%	14.3%	64.3%	100.0%								
8834	8/13	5/13	2/13	4/13	5/ 8	7/ 8	6/ 8	8/ 8					
	61.5%	38.5%	15.4%	30.8%	62.5%	87.5%	75.0%	100.0%					
8835	5/16	4/16	4/16	4/16	4/ 8	8/ 8							
	31.2%	25.0%	25.0%	25.0%	50.0%	100.0%							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000469

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 3): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
8838	9/17	3/17	1/17	9/17	8/ 8								
	52.9%	17.6%	5.9%	52.9%	100.0%								
8840	10/18	8/18	9/18	18/18									
	55.6%	44.4%	50.0%	100.0%									
8841	14/14												
	100.0%												
8842a	6/14	7/15	9/15	10/15	8/ 8								
	42.8%	46.7%	60.0%	66.7%	100.0%								
8845	8/12	4/11	7/11	11/11									
	66.7%	36.4%	63.6%	100.0%									
8846	9/15	0/15	3/15	13/15	8/ 8								
	60.0%	0.0%	20.0%	86.7%	100.0%								
8847	11/14	3/14	5/14	9/14	8/ 8								
	78.6%	21.4%	35.7%	64.3%	100.0%								
8849	8/17	4/17	9/17	5/16	8/ 8								
	47.0%	23.5%	52.9%	31.2%	100.0%								
8851	8/14	9/14	0/14	8/14	4/ 8	4/ 8	3/ 8	5/ 8	6/ 8	8/ 8			
	57.1%	64.3%	0.0%	57.1%	50.0%	50.0%	37.5%	62.5%	75.0%	100.0%			
8852	3/10	4/10	4/10	10/10									
	30.0%	40.0%	40.0%	100.0%									
8853	15/19	7/19	11/19	11/19	8/ 8								
	78.9%	36.8%	57.9%	57.9%	100.0%								
8854	7/14	2/14	1/14	5/14	5/ 8	7/ 8	5/ 8	6/ 8	7/ 8	7/ 8	7/ 8	8/ 8	
	50.0%	14.3%	7.1%	35.7%	62.5%	87.5%	62.5%	75.0%	87.5%	87.5%	87.5%	100.0%	
8855	7/15	4/15	8/15	12/15	8/ 8								
	46.7%	26.7%	53.3%	80.0%	100.0%								
8857	8/15	8/15	2/15	15/15									
	53.3%	53.3%	13.3%	100.0%									
8858	4/10	1/10	7/10	9/10	8/ 8								
	40.0%	10.0%	70.0%	90.0%	100.0%								
8860	9/15	6/15	5/15	6/15	7/ 8	5/ 8	6/ 8	6/ 8	8/ 8				
	60.0%	40.0%	33.3%	40.0%	87.5%	62.5%	75.0%	75.0%	100.0%				
8862	11/14	5/14	3/14	8/14	7/ 8	8/ 8							
	78.6%	35.7%	21.4%	57.1%	87.5%	100.0%							
8863	2/16	4/16	6/16	13/16	8/ 8								
	12.5%	25.0%	37.5%	81.2%	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

a. Dam 8842 delivered one additional pup on day 2 of lactation; values for day 1 postpartum excluded from group averages and statistical analyses.

000470

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 4): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY								
8864	3/10	2/10	1/10	6/10	7/ 8	8/ 8							
	30.0%	20.0%	10.0%	60.0%	87.5%	100.0%							
8865	5/14	2/14	7/14	14/14									
	35.7%	14.3%	50.0%	100.0%									
8866	8/16	4/16	5/16	12/16	1/ 8	8/ 8							
	50.0%	25.0%	31.2%	75.0%	12.5%	100.0%							
8867	2/13	2/13	4/13	9/13	7/ 8	7/ 8	5/ 8	6/ 8	8/ 8				
	15.4%	15.4%	30.8%	69.2%	87.5%	87.5%	62.5%	75.0%	100.0%				
8868	3/14	4/13	10/13	13/13									
	21.4%	30.8%	76.9%	100.0%									
8869	16/16												
	100.0%												
8870	2/11	1/11	7/11	6/11	8/ 8								
	18.2%	9.1%	63.6%	54.5%	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000471

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 5): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY								
8872	4/13	1/13	4/13	10/13	8/ 8								
	30.8%	7.7%	30.8%	76.9%	100.0%								
8874	2/15	6/14	8/15	15/15									
	13.3%	42.8%	53.3%	100.0%									
8875	5/13	9/13	5/13	6/13	7/ 8	8/ 8							
	38.5%	69.2%	38.5%	46.2%	87.5%	100.0%							
8876	2/ 6	4/ 6	4/ 6	6/ 6									
	33.3%	66.7%	66.7%	100.0%									
8881	6/14	4/14	1/14	8/14	6/ 8	8/ 8							
	42.8%	28.6%	7.1%	57.1%	75.0%	100.0%							
8882	8/17	8/17	13/17	12/17	6/ 8	7/ 8	8/ 8						
	47.0%	47.0%	76.5%	70.6%	75.0%	87.5%	100.0%						
8885	11/14	4/14	8/14	7/14	5/ 8	4/ 8	7/ 8	8/ 8					
	78.6%	28.6%	57.1%	50.0%	62.5%	50.0%	87.5%	100.0%					
8889	1/14	6/14	0/14	3/14	4/ 8	4/ 8	5/ 8	8/ 8					
	7.1%	42.8%	0.0%	21.4%	50.0%	50.0%	62.5%	100.0%					
8890	3/12	4/12	3/12	12/12									
	25.0%	33.3%	25.0%	100.0%									
8891	6/15	5/15	15/15										
	40.0%	33.3%	100.0%										
8892	6/12	5/12	5/12	6/12	3/ 8	5/ 8	5/ 8	6/ 8	7/ 8	8/ 8			
	50.0%	41.7%	41.7%	50.0%	37.5%	62.5%	62.5%	75.0%	87.5%	100.0%			
8893	1/13	6/13	5/13	4/13	8/ 8								
	7.7%	46.2%	38.5%	30.8%	100.0%								
8894	0/ 3	0/ 3	3/ 3										
	0.0%	0.0%	100.0%										
8895	4/17	1/16	4/16	9/16	4/ 8	8/ 8							
	23.5%	6.2%	25.0%	56.2%	50.0%	100.0%							
8896	7/14	1/14	2/14	9/14	7/ 8	7/ 8	7/ 8	8/ 8					
	50.0%	7.1%	14.3%	64.3%	87.5%	87.5%	87.5%	100.0%					
8897	8/14	4/14	1/14	14/14									
	57.1%	28.6%	7.1%	100.0%									
8898	8/12	5/12	8/12	5/12	8/ 8								
	66.7%	41.7%	66.7%	41.7%	100.0%								
8899	9/16	5/16	6/16	8/16	7/ 8	8/ 8							
	56.2%	31.2%	37.5%	50.0%	87.5%	100.0%							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000472

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 6): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY								
8900	8/15	5/14	1/14	8/14	7/ 8	5/ 8	5/ 8	7/ 8	8/ 8				
	53.3%	35.7%	7.1%	57.1%	87.5%	62.5%	62.5%	87.5%	100.0%				
8901	8/13	5/13	3/13	4/13	6/ 8	8/ 8							
	61.5%	38.5%	23.1%	30.8%	75.0%	100.0%							
8902	0/15	4/15	4/14	3/14	7/ 8	8/ 8							
	0.0%	26.7%	28.6%	21.4%	87.5%	100.0%							
8905	6/19	3/19	4/18	5/18	7/ 8	8/ 8							
	31.6%	15.8%	22.2%	27.8%	87.5%	100.0%							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000473

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 7): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY								
8906	5/13	2/11	2/10	3/10	5/ 8	3/ 8	5/ 8	7/ 8	8/ 8				
	38.5%	18.2%	20.0%	30.0%	62.5%	37.5%	62.5%	87.5%	100.0%				
8909	4/11	1/11	1/11	7/11	3/ 8	5/ 8	7/ 8	8/ 8					
	36.4%	9.1%	9.1%	63.6%	37.5%	62.5%	87.5%	100.0%					
8913	7/12	2/12	1/11	8/11	0/ 8	2/ 8	5/ 8	6/ 8	5/ 8	7/ 8	8/ 8		
	58.3%	16.7%	9.1%	72.7%	0.0%	25.0%	62.5%	75.0%	62.5%	87.5%	100.0%		
8919	8/16	5/15	3/15	3/15	8/ 8								
	50.0%	33.3%	20.0%	20.0%	100.0%								
8920	0/ 8	1/ 6	0/ 6	3/ 6	2/ 6	0/ 6	4/ 6	6/ 6					
	0.0%	16.7%	0.0%	50.0%	33.3%	0.0%	66.7%	100.0%					
8921	3/11	1/10	3/10	6/10	8/ 8								
	27.3%	10.0%	30.0%	60.0%	100.0%								
8925	0/12	0/ 9	2/ 9	0/ 9	3/ 8	2/ 8	8/ 8						
	0.0%	0.0%	22.2%	0.0%	37.5%	25.0%	100.0%						
8926	5/12	0/ 7	0/ 4	1/ 4	0/ 4	0/ 4	0/ 4	1/ 4	2/ 4	1/ 4	2/ 4	3/ 4	4/ 4
	41.7%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	25.0%	50.0%	25.0%	50.0%	75.0%	100.0%
8927	15/17	2/12	1/ 8	2/ 8	0/ 2	1/ 2	0/ 2	0/ 2	0/ 2	0/ 2	1/ 2	0/ 2	0/ 2
	88.2%	16.7%	12.5%	25.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%
8928	2/12	3/12	1/12	4/12	3/ 8	3/ 8	4/ 8	7/ 8	8/ 8				
	16.7%	25.0%	8.3%	33.3%	37.5%	37.5%	50.0%	87.5%	100.0%				
8929	0/ 8	NO SURVIVING PUPS ON DAY 2 POSTPARTUM											
	0.0%												
8930	1/10	5/10	2/10	3/10	5/ 8	5/ 8	6/ 8	7/ 8	8/ 8				
	10.0%	50.0%	20.0%	30.0%	62.5%	62.5%	75.0%	87.5%	100.0%				
8931	0/ 4	0/ 4	0/ 4	0/ 4	0/ 4	1/ 4	1/ 4	2/ 4	2/ 4	4/ 4			
	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	25.0%	50.0%	50.0%	100.0%			
8932	11/17	1/16	1/11	2/11	3/ 8	3/ 8	6/ 8	8/ 8					
	64.7%	6.2%	9.1%	18.2%	37.5%	37.5%	75.0%	100.0%					
8934	3/13	0/11	1/10	1/10	1/ 8	3/ 8	2/ 8	4/ 8	8/ 8				
	23.1%	0.0%	10.0%	10.0%	12.5%	37.5%	25.0%	50.0%	100.0%				
8935	3/12	4/12	3/12	1/11	4/ 8	2/ 8	2/ 8	7/ 8	6/ 8	8/ 8			
	25.0%	33.3%	25.0%	9.1%	50.0%	25.0%	25.0%	87.5%	75.0%	100.0%			
8936	4/11	3/ 8	0/ 6	NO SURVIVING PUPS ON DAY 4 POSTPARTUM									
	36.4%	37.5%	0.0%										

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000474

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 8): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV					1.6 MG/KG/DAY							
8937	2/ 9	3/ 8	0/ 8	4/ 8	6/ 8	7/ 8	8/ 8						
	22.2%	37.5%	0.0%	50.0%	75.0%	87.5%	100.0%						
8939	1/ 5	2/ 5	0/ 5	2/ 5	1/ 5	3/ 5	4/ 5	3/ 5	5/ 5				
	20.0%	40.0%	0.0%	40.0%	20.0%	60.0%	80.0%	60.0%	100.0%				
8940	4/14	5/13	4/13	6/13	6/ 8	6/ 8	4/ 8	7/ 8	8/ 8				
	28.6%	38.5%	30.8%	46.2%	75.0%	75.0%	50.0%	87.5%	100.0%				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000475

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 9): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY			
8927	0/ 2	1/ 2	1/ 2	2/ 2				
	0.0%	50.0%	50.0%	100.0%				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000476

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 10): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY								
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8946	0/ 9	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8949	0/12	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION												
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8956	2/11	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	18.2%												
8959	0/ 8	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8961	2/10	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	20.0%												
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8964	0/10	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8968	0/ 2	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8970	0/ 9	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8971	0/13	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												
8973	0/ 1	NO SURVIVING PUPS ON DAY 2 OF LACTATION											
	0.0%												

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

0004777

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C39 (PAGE 11): SURFACE Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	1	2	3	4	5	6	7	8	9	10	11	12	13
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V					3.2 MG/KG/DAY							
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION												
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION												
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION												

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000478

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 1): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY	
8801	0/ 9	9/ 9				
	0.0%	100.0%				
8803	12/12					
	100.0%					
8804	0/15	9/15	15/15			
	0.0%	60.0%	100.0%			
8805	0/16	3/16	15/15			
	0.0%	18.8%	100.0%			
8807	0/13	10/13	13/13			
	0.0%	76.9%	100.0%			
8808	0/ 9	9/ 9				
	0.0%	100.0%				
8811	9/12	12/12				
	75.0%	100.0%				
8812	17/17					
	100.0%					
8813	0/12	12/12				
	0.0%	100.0%				
8814	13/13					
	100.0%					
8819	0/12	11/12	12/12			
	0.0%	91.7%	100.0%			
8821	0/13	13/13				
	0.0%	100.0%				
8823	0/12	12/12				
	0.0%	100.0%				
8824	0/15	5/15	15/15			
	0.0%	33.3%	100.0%			
8826	0/13	1/13	13/13			
	0.0%	7.7%	100.0%			
8827	0/14	5/14	14/14			
	0.0%	35.7%	100.0%			
8828	0/12	12/12				
	0.0%	100.0%				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000479

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 2): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY		
8830	0/16	16/16				
	0.0%	100.0%				
8831	0/15	15/15				
	0.0%	100.0%				
8832	0/17	10/17	14/17	8/ 8		
	0.0%	58.8%	82.4%	100.0%		
8833	0/14	6/14	14/14			
	0.0%	42.8%	100.0%			
8834	0/13	4/13	13/13			
	0.0%	30.8%	100.0%			
8835	0/16	4/16	16/16			
	0.0%	25.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000480

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 3): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II			0.1 MG/KG/DAY		
8838	0/17	14/17	11/17	8/ 8		
	0.0%	82.4%	64.7%	100.0%		
8840	0/18	15/18	18/18			
	0.0%	83.3%	100.0%			
8841	0/12	14/14				
	0.0%	100.0%				
8842	0/15	15/15				
	0.0%	100.0%				
8845	0/11	10/11	11/11			
	0.0%	90.9%	100.0%			
8846	0/15	10/15	15/15			
	0.0%	66.7%	100.0%			
8847	0/14	3/14	14/14			
	0.0%	21.4%	100.0%			
8849	3/17	0/17	12/16	8/ 8		
	17.6%	0.0%	75.0%	100.0%		
8851	0/14	1/14	14/14			
	0.0%	7.1%	100.0%			
8852	0/10	6/10	10/10			
	0.0%	60.0%	100.0%			
8853	0/19	10/19	19/19			
	0.0%	52.6%	100.0%			
8854	0/14	2/14	14/14			
	0.0%	14.3%	100.0%			
8855	0/15	5/15	15/15			
	0.0%	33.3%	100.0%			
8857	0/15	4/15	15/15			
	0.0%	26.7%	100.0%			
8858	0/10	8/10	10/10			
	0.0%	80.0%	100.0%			
8860	0/15	3/15	15/15			
	0.0%	20.0%	100.0%			
8862	0/14	10/14	14/14			
	0.0%	71.4%	100.0%			
8863	0/16	13/16	16/16			
	0.0%	81.2%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000481

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 4): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II		0.1 MG/KG/DAY			
8864	0/10	1/10	10/10			
	0.0%	10.0%	100.0%			
8865	0/14	2/14	14/14			
	0.0%	14.3%	100.0%			
8866	0/16	1/16	16/16			
	0.0%	6.2%	100.0%			
8867	8/13	13/13				
	61.5%	100.0%				
8868	0/13	6/13	13/13			
	0.0%	46.2%	100.0%			
8869	0/16	2/16	16/16			
	0.0%	12.5%	100.0%			
8870	0/11	10/11	11/11			
	0.0%	90.9%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 5): PINNA UNFOLDING INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III			0.4 MG/KG/DAY		
8872	0/13	1/13	13/13			
	0.0%	7.7%	100.0%			
8874	0/15	5/15	15/15			
	0.0%	33.3%	100.0%			
8875	0/13	11/13	13/13			
	0.0%	84.6%	100.0%			
8876	2/ 6	6/ 6				
	33.3%	100.0%				
8881	0/14	0/14	14/14			
	0.0%	0.0%	100.0%			
8882	0/17	17/17				
	0.0%	100.0%				
8885	0/14	1/14	14/14			
	0.0%	7.1%	100.0%			
8889	0/14	0/14	10/14	8/ 8		
	0.0%	0.0%	71.4%	100.0%		
8890	0/12	12/12				
	0.0%	100.0%				
8891	0/15	8/15	15/15			
	0.0%	53.3%	100.0%			
8892	0/12	12/12				
	0.0%	100.0%				
8893	0/13	6/13	13/13			
	0.0%	46.2%	100.0%			
8894	3/ 3					
	100.0%					
8895	0/16	4/16	16/16			
	0.0%	25.0%	100.0%			
8896	0/14	3/14	14/14			
	0.0%	21.4%	100.0%			
8897	0/14	3/14	14/14			
	0.0%	21.4%	100.0%			
8898	0/12	7/12	11/12	8/ 8		
	0.0%	58.3%	91.7%	100.0%		
8899	0/16	2/16	16/16			
	0.0%	12.5%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000483

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 6): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III		0.4 MG/KG/DAY			
8900	0/14	0/14	14/14			
	0.0%	0.0%	100.0%			
8901	0/13	2/13	13/13			
	0.0%	15.4%	100.0%			
8902	0/15	1/14	14/14			
	0.0%	7.1%	100.0%			
8905	0/19	13/18	18/18			
	0.0%	72.2%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 7): PINNA UNFOLDING - INDIVIDUAL DATA F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV			1.6 MG/KG/DAY		
8906	0/11	1/10	10/10			
	0.0%	10.0%	100.0%			
8909	0/11	0/11	11/11			
	0.0%	0.0%	100.0%			
8913	0/12	1/11	11/11			
	0.0%	9.1%	100.0%			
8919	0/15	1/15	2/15	8/ 8		
	0.0%	6.7%	13.3%	100.0%		
8920	0/ 6	0/ 6	6/ 6			
	0.0%	0.0%	100.0%			
8921	0/10	5/10	10/10			
	0.0%	50.0%	100.0%			
8925	0/ 9	0/ 9	0/ 9	8/ 8		
	0.0%	0.0%	0.0%	100.0%		
8926	0/ 7	0/ 4	0/ 4	2/ 4	4/ 4	
	0.0%	0.0%	0.0%	50.0%	100.0%	
8927	0/13	0/ 8	0/ 8	0/ 2	1/ 2	2/ 2
	0.0%	0.0%	0.0%	0.0%	50.0%	100.0%
8928	0/12	9/12	12/12			
	0.0%	75.0%	100.0%			
8929	NO SURVIVING PUPS ON DAY 2 POSTPARTUM					
8930	0/10	0/10	2/10	8/ 8		
	0.0%	0.0%	20.0%	100.0%		
8931	0/ 4	0/ 4	0/ 4	4/ 4		
	0.0%	0.0%	0.0%	100.0%		
8932	0/17	0/11	0/11	3/ 8	8/ 8	
	0.0%	0.0%	0.0%	37.5%	100.0%	
8934	0/11	0/10	0/10	2/ 8	2/ 8	8/ 8
	0.0%	0.0%	0.0%	25.0%	25.0%	100.0%
8935	0/12	1/12	0/11	5/ 8	8/ 8	
	0.0%	8.3%	0.0%	62.5%	100.0%	
8936	0/ 8	0/ 6	NO SURVIVING PUPS ON DAY 4 POSTPARTUM			
	0.0%	0.0%				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000485

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 8): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV			1.6 MG/KG/DAY		
8937	0/ 8	0/ 8	8/ 8			
	0.0%	0.0%	100.0%			
8939	4/13	0/ 5	2/ 5	5/ 5		
	30.8%	0.0%	40.0%	100.0%		
8940	0/13	0/13	11/13	8/ 8		
	0.0%	0.0%	84.6%	100.0%		

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000486

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 9): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY	
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION					

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000487

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C40 (PAGE 10): PINNA UNFOLDING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	2	3	4	5	6	7
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY	
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION					
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION					

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 1): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY			
8801	0/ 8	0/ 8	1/ 8	6/ 8	8/ 8		
	0.0%	0.0%	12.5%	75.0%	100.0%		
8803	0/ 8	4/ 8	8/ 8				
	0.0%	50.0%	100.0%				
8804	0/ 8	2/ 8	4/ 8	8/ 8			
	0.0%	25.0%	50.0%	100.0%			
8805	0/ 8	0/ 8	5/ 8	8/ 8			
	0.0%	0.0%	62.5%	100.0%			
8807	0/ 8	0/ 8	2/ 8	6/ 8	8/ 8		
	0.0%	0.0%	25.0%	75.0%	100.0%		
8808	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8811	0/ 8	2/ 8	6/ 8	8/ 8			
	0.0%	25.0%	75.0%	100.0%			
8812	0/ 8	1/ 8	8/ 8				
	0.0%	12.5%	100.0%				
8813	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8814	0/ 8	3/ 8	8/ 8				
	0.0%	37.5%	100.0%				
8819	0/ 8	0/ 8	8/ 8				
	0.0%	0.0%	100.0%				
8821	0/ 8	0/ 8	4/ 8	7/ 8	8/ 8		
	0.0%	0.0%	50.0%	87.5%	100.0%		
8823	0/ 8	1/ 8	5/ 8	7/ 8	8/ 8		
	0.0%	12.5%	62.5%	87.5%	100.0%		
8824	0/ 8	0/ 8	6/ 8	8/ 8			
	0.0%	0.0%	75.0%	100.0%			
8826	0/ 8	0/ 8	1/ 8	6/ 8	8/ 8		
	0.0%	0.0%	12.5%	75.0%	100.0%		
8827	0/ 8	0/ 8	4/ 8	7/ 8	8/ 8		
	0.0%	0.0%	50.0%	87.5%	100.0%		
8828	0/ 8	0/ 8	6/ 8	8/ 8			
	0.0%	0.0%	75.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 2): EYE OPENING - INDIVIDUAL DATA F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY			
8830	0/ 8	0/ 8	8/ 8				
	0.0%	0.0%	100.0%				
8831	0/ 8	0/ 8	1/ 8	7/ 8	8/ 8		
	0.0%	0.0%	12.5%	87.5%	100.0%		
8832	0/ 8	0/ 8	4/ 8	8/ 8			
	0.0%	0.0%	50.0%	100.0%			
8833	0/ 8	0/ 8	0/ 8	6/ 8	8/ 8		
	0.0%	0.0%	0.0%	75.0%	100.0%		
8834	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8835	0/ 8	0/ 8	6/ 8	8/ 8			
	0.0%	0.0%	75.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 3): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II			0.1 MG/KG/DAY			
8838	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8840	0/ 8	0/ 8	5/ 8	8/ 8			
	0.0%	0.0%	62.5%	100.0%			
8841	0/ 8	0/ 8	1/ 8	7/ 8	8/ 8		
	0.0%	0.0%	12.5%	87.5%	100.0%		
8842	0/ 8	0/ 8	1/ 8	7/ 8	8/ 8		
	0.0%	0.0%	12.5%	87.5%	100.0%		
8845	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8846	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8847	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8		
	0.0%	0.0%	0.0%	25.0%	100.0%		
8849	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8		
	0.0%	0.0%	0.0%	25.0%	100.0%		
8851	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8852	0/ 8	0/ 8	6/ 8	8/ 8			
	0.0%	0.0%	75.0%	100.0%			
8853	0/ 8	0/ 8	4/ 8	8/ 8			
	0.0%	0.0%	50.0%	100.0%			
8854	0/ 8	0/ 8	4/ 8	8/ 8			
	0.0%	0.0%	50.0%	100.0%			
8855	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8		
	0.0%	0.0%	0.0%	25.0%	100.0%		
8857	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8858	0/ 8	0/ 8	1/ 8	8/ 8			
	0.0%	0.0%	12.5%	100.0%			
8860	0/ 8	0/ 8	8/ 8				
	0.0%	0.0%	100.0%				
8862	0/ 8	0/ 8	0/ 8	6/ 8	8/ 8		
	0.0%	0.0%	0.0%	75.0%	100.0%		
8863	0/ 8	0/ 8	4/ 8	8/ 8			
	0.0%	0.0%	50.0%	100.0%			
8864	1/ 8	4/ 8	7/ 8	8/ 8			
	12.5%	50.0%	87.5%	100.0%			
8865	0/ 8	0/ 8	0/ 8	8/ 8			
	0.0%	0.0%	0.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000491

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 4): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II			0.1 MG/KG/DAY			
8866	0/ 8	1/ 8	1/ 8	4/ 8	8/ 8		
	0.0%	12.5%	12.5%	50.0%	100.0%		
8867	0/ 8	2/ 8	8/ 8				
	0.0%	25.0%	100.0%				
8868	0/ 8	0/ 8	2/ 8	7/ 8	8/ 8		
	0.0%	0.0%	25.0%	87.5%	100.0%		
8869	0/ 8	0/ 8	2/ 8	7/ 8	8/ 8		
	0.0%	0.0%	25.0%	87.5%	100.0%		
8870	0/ 8	0/ 8	1/ 8	8/ 8			
	0.0%	0.0%	12.5%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

C00492

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 5): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY		
8872	1/ 8	2/ 8	6/ 8	8/ 8			
	12.5%	25.0%	75.0%	100.0%			
8874	0/ 8	0/ 8	0/ 8	5/ 8	8/ 8		
	0.0%	0.0%	0.0%	62.5%	100.0%		
8875	0/ 8	0/ 8	0/ 8	8/ 8			
	0.0%	0.0%	0.0%	100.0%			
8876	0/ 6	0/ 6	6/ 6				
	0.0%	0.0%	100.0%				
8881	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8		
	0.0%	0.0%	0.0%	25.0%	100.0%		
8882	0/ 8	0/ 8	2/ 8	6/ 8	8/ 8		
	0.0%	0.0%	25.0%	75.0%	100.0%		
8885	0/ 8	0/ 8	6/ 8	8/ 8			
	0.0%	0.0%	75.0%	100.0%			
8889	0/ 8	0/ 8	0/ 8	5/ 8	8/ 8		
	0.0%	0.0%	0.0%	62.5%	100.0%		
8890	0/ 8	0/ 8	1/ 8	6/ 8	8/ 8		
	0.0%	0.0%	12.5%	75.0%	100.0%		
8891	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8892	0/ 8	0/ 8	3/ 8	7/ 8	8/ 8		
	0.0%	0.0%	37.5%	87.5%	100.0%		
8893	0/ 8	0/ 8	2/ 8	5/ 8	6/ 7	6/ 6	
	0.0%	0.0%	25.0%	62.5%	85.7%	100.0%	
8894	0/ 3	1/ 3	3/ 3				
	0.0%	33.3%	100.0%				
8895	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8		
	0.0%	0.0%	0.0%	25.0%	100.0%		
8896a	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8897a	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8898	0/ 8	0/ 8	1/ 8	5/ 8	8/ 8		
	0.0%	0.0%	12.5%	62.5%	100.0%		
8899	0/ 8	1/ 7	3/ 7	7/ 7			
	0.0%	14.3%	42.8%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

a. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

000493

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 6): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III			0.4 MG/KG/DAY			
8900	0/ 8	1/ 8	1/ 8	8/ 8			
	0.0%	12.5%	12.5%	100.0%			
8901	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8902	0/ 8	0/ 8	3/ 8	8/ 8			
	0.0%	0.0%	37.5%	100.0%			
8905	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000494

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 7): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY		
8906	0/ 8	0/ 8	0/ 8	4/ 8	8/ 8		
	0.0%	0.0%	0.0%	50.0%	100.0%		
8909	0/ 8	0/ 8	0/ 8	7/ 8	8/ 8		
	0.0%	0.0%	0.0%	87.5%	100.0%		
8913	0/ 8	0/ 8	2/ 8	8/ 8			
	0.0%	0.0%	25.0%	100.0%			
8919	0/ 8	0/ 8	0/ 8	3/ 8	8/ 8		
	0.0%	0.0%	0.0%	37.5%	100.0%		
8920	0/ 6	0/ 6	0/ 6	0/ 6	1/ 6	6/ 6	
	0.0%	0.0%	0.0%	0.0%	16.7%	100.0%	
8921	0/ 8	0/ 8	0/ 8	0/ 8	8/ 8		
	0.0%	0.0%	0.0%	0.0%	100.0%		
8925	0/ 7	0/ 7	0/ 7	0/ 7	3/ 7	7/ 7	
	0.0%	0.0%	0.0%	0.0%	42.8%	100.0%	
8926	0/ 4	0/ 4	0/ 4	0/ 4	1/ 4	3/ 4	4/ 4
	0.0%	0.0%	0.0%	0.0%	25.0%	75.0%	100.0%
8927	1/ 2	1/ 2	1/ 2	2/ 2			
	50.0%	50.0%	50.0%	100.0%			
8928	0/ 8	0/ 8	2/ 8	3/ 8	8/ 8		
	0.0%	0.0%	25.0%	37.5%	100.0%		
8929	NO SURVIVING PUPS ON DAY 2 POSTPARTUM						
8930	0/ 8	0/ 8	1/ 8	1/ 8	5/ 8	8/ 8	
	0.0%	0.0%	12.5%	12.5%	62.5%	100.0%	
8931	0/ 4	0/ 4	3/ 4	4/ 4			
	0.0%	0.0%	75.0%	100.0%			
8932	0/ 8	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8	
	0.0%	0.0%	0.0%	0.0%	25.0%	100.0%	
8934	0/ 8	0/ 8	0/ 8	0/ 8	2/ 8	8/ 8	
	0.0%	0.0%	0.0%	0.0%	25.0%	100.0%	
8935	0/ 8	0/ 8	1/ 8	2/ 8	4/ 8	8/ 8	
	0.0%	0.0%	12.5%	25.0%	50.0%	100.0%	
8936	NO SURVIVING PUPS ON DAY 4 POSTPARTUM						

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000495

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 8): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY		
8937	1/ 8	2/ 8	1/ 8	4/ 8	8/ 8		
	12.5%	25.0%	12.5%	50.0%	100.0%		
8939	0/ 5	0/ 5	0/ 5	1/ 5	5/ 5		
	0.0%	0.0%	0.0%	20.0%	100.0%		
8940	0/ 8	0/ 8	3/ 8	5/ 8	8/ 8		
	0.0%	0.0%	37.5%	62.5%	100.0%		

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000496

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 9): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16	17	18
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY		
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION						
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION						
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION						

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C41 (PAGE 10): EYE OPENING - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	12	13	14	15	16
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION				
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION				
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 1): ACOUSTIC STARTLE INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY				
8801	7/ 8	8/ 8							
	87.5%	100.0%							
8803	6/ 8	5/ 8	3/ 8	3/ 8	8/ 8				
	75.0%	62.5%	37.5%	37.5%	100.0%				
8804	8/ 8								
	100.0%								
8805	2/ 8	6/ 8	6/ 8	6/ 8	8/ 8				
	25.0%	75.0%	75.0%	75.0%	100.0%				
8807	7/ 8	8/ 8							
	87.5%	100.0%							
8808	6/ 8	8/ 8							
	75.0%	100.0%							
8811	0/ 8	5/ 8	7/ 8	6/ 8	6/ 8	8/ 8			
	0.0%	62.5%	87.5%	75.0%	75.0%	100.0%			
8812	1/ 8	3/ 8	4/ 8	8/ 8					
	12.5%	37.5%	50.0%	100.0%					
8813	8/ 8								
	100.0%								
8814	5/ 8	2/ 8	4/ 8	8/ 8					
	62.5%	25.0%	50.0%	100.0%					
8819	8/ 8								
	100.0%								
8821	7/ 8	8/ 8							
	87.5%	100.0%							
8823	6/ 8	4/ 8	3/ 8	8/ 8					
	75.0%	50.0%	37.5%	100.0%					
8824	8/ 8								
	100.0%								
8826	8/ 8								
	100.0%								
8827	1/ 8	3/ 8	8/ 8						
	12.5%	37.5%	100.0%						
8828	6/ 8	7/ 8	8/ 8						
	75.0%	87.5%	100.0%						

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000499

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 2): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY			
8830	8/ 8								
	100.0%								
8831	8/ 8								
	100.0%								
8832	7/ 8	8/ 8							
	87.5%	100.0%							
8833	6/ 8	8/ 8							
	75.0%	100.0%							
8834	8/ 8								
	100.0%								
8835	8/ 8								
	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 3): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II					0.1 MG/KG/DAY			
8838	7/ 8	5/ 8	3/ 8	0/ 8	7/ 8	7/ 8	6/ 8	8/ 8	
	87.5%	62.5%	37.5%	0.0%	87.5%	87.5%	75.0%	100.0%	
8840	6/ 8	7/ 8	5/ 8	1/ 8	7/ 8	8/ 8			
	75.0%	87.5%	62.5%	12.5%	87.5%	100.0%			
8841	3/ 8	4/ 8	1/ 8	2/ 8	7/ 8	8/ 8			
	37.5%	50.0%	12.5%	25.0%	87.5%	100.0%			
8842	7/ 8	6/ 8	7/ 8	1/ 8	5/ 8	8/ 8			
	87.5%	75.0%	87.5%	12.5%	62.5%	100.0%			
8845	8/ 8								
	100.0%								
8846	6/ 8	8/ 8							
	75.0%	100.0%							
8847	8/ 8								
	100.0%								
8849	3/ 8	8/ 8							
	37.5%	100.0%							
8851	6/ 8	8/ 8							
	75.0%	100.0%							
8852	8/ 8								
	100.0%								
8853	7/ 8	7/ 8	6/ 8	6/ 8	8/ 8				
	87.5%	87.5%	75.0%	75.0%	100.0%				
8854	8/ 8								
	100.0%								
8855	8/ 8								
	100.0%								
8857	8/ 8								
	100.0%								
8858	8/ 8								
	100.0%								
8860	7/ 8	5/ 8	0/ 8	7/ 8	8/ 8				
	87.5%	62.5%	0.0%	87.5%	100.0%				
8862	7/ 8	8/ 8							
	87.5%	100.0%							
8863	8/ 8								
	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 4): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY				
8864	5/ 8	8/ 8							
	62.5%	100.0%							
8865	8/ 8								
	100.0%								
8866	3/ 8	6/ 8	8/ 8						
	37.5%	75.0%	100.0%						
8867	8/ 8								
	100.0%								
8868	6/ 8	4/ 8	1/ 8	8/ 8					
	75.0%	50.0%	12.5%	100.0%					
8869	7/ 8	5/ 8	2/ 8	5/ 8	4/ 8	5/ 8	8/ 8		
	87.5%	62.5%	25.0%	62.5%	50.0%	62.5%	100.0%		
8870	6/ 8	5/ 8	4/ 8	5/ 8	1/ 8	3/ 8	8/ 8		
	75.0%	62.5%	50.0%	62.5%	12.5%	37.5%	100.0%		

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 5): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III					0.4 MG/KG/DAY			
8872	4/ 8	7/ 8	6/ 8	1/ 8	1/ 8	6/ 8	8/ 8		
	50.0%	87.5%	75.0%	12.5%	12.5%	75.0%	100.0%		
8874	4/ 8	8/ 8							
	50.0%	100.0%							
8875	4/ 8	4/ 8	6/ 8	8/ 8					
	50.0%	50.0%	75.0%	100.0%					
8876	2/ 6	4/ 6	5/ 6	4/ 6	6/ 6				
	33.3%	66.7%	83.3%	66.7%	100.0%				
8881	6/ 8	8/ 8							
	75.0%	100.0%							
8882	4/ 8	3/ 8	4/ 8	4/ 8	4/ 8	8/ 8			
	50.0%	37.5%	50.0%	50.0%	50.0%	100.0%			
8885	8/ 8								
	100.0%								
8889	8/ 8								
	100.0%								
8890	6/ 8	7/ 8	5/ 8	8/ 8					
	75.0%	87.5%	62.5%	100.0%					
8891	8/ 8								
	100.0%								
8892	4/ 8	4/ 8	3/ 8	6/ 8	8/ 8				
	50.0%	50.0%	37.5%	75.0%	100.0%				
8893	6/ 8	5/ 8	8/ 8						
	75.0%	62.5%	100.0%						
8894	3/ 3								
	100.0%								
8895	5/ 8	8/ 8							
	62.5%	100.0%							
8896a	7/ 8	7/ 8	5/ 8	6/ 8	8/ 8				
	87.5%	87.5%	62.5%	75.0%	100.0%				
8897a	4/ 8	3/ 8	5/ 8	7/ 8	6/ 8	8/ 8			
	50.0%	37.5%	62.5%	87.5%	75.0%	100.0%			
8898	5/ 8	6/ 8	3/ 8	0/ 8	8/ 8				
	62.5%	75.0%	37.5%	0.0%	100.0%				
8899	7/ 7								
	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

a. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 6): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY				
8900	5/ 8	5/ 8	1/ 8	5/ 8	5/ 8	4/ 8	8/ 8		
	62.5%	62.5%	12.5%	62.5%	62.5%	50.0%	100.0%		
8901	6/ 8	3/ 8	3/ 8	4/ 8	5/ 8	7/ 8	5/ 8	8/ 8	
	75.0%	37.5%	37.5%	50.0%	62.5%	87.5%	62.5%	100.0%	
8902	4/ 8	8/ 8							
	50.0%	100.0%							
8905	6/ 8	7/ 8	8/ 8						
	75.0%	87.5%	100.0%						

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 7): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY				
8906	4/ 8	8/ 8							
	50.0%	100.0%							
8909	4/ 8	5/ 8	3/ 8	6/ 8	8/ 8				
	50.0%	62.5%	37.5%	75.0%	100.0%				
8913	4/ 8	4/ 8	5/ 8	4/ 8	6/ 8	8/ 8			
	50.0%	50.0%	62.5%	50.0%	75.0%	100.0%			
8919	4/ 8	1/ 8	5/ 8	8/ 8					
	50.0%	12.5%	62.5%	100.0%					
8920	3/ 6	3/ 6	3/ 6	2/ 6	4/ 6	3/ 6	4/ 6	6/ 6	
	50.0%	50.0%	50.0%	33.3%	66.7%	50.0%	66.7%	100.0%	
8921	4/ 8	8/ 8							
	50.0%	100.0%							
8925	0/ 7	2/ 7	4/ 7	5/ 7	1/ 7	0/ 7	2/ 7	7/ 7	
	0.0%	28.6%	57.1%	71.4%	14.3%	0.0%	28.6%	100.0%	
8926	1/ 4	0/ 4	1/ 4	0/ 4	4/ 4				
	25.0%	0.0%	25.0%	0.0%	100.0%				
8927	0/ 2	0/ 2	0/ 2	0/ 2	1/ 2	0/ 2	0/ 2	1/ 2	1/ 2
	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	50.0%	50.0%
8928	4/ 8	8/ 8							
	50.0%	100.0%							
8929	NO SURVIVING PUPS ON DAY 2 POSTPARTUM								
8930	4/ 8	8/ 8							
	50.0%	100.0%							
8931	1/ 4	0/ 4	2/ 4	2/ 4	4/ 4				
	25.0%	0.0%	50.0%	50.0%	100.0%				
8932	0/ 8	2/ 8	5/ 8	8/ 8					
	0.0%	25.0%	62.5%	100.0%					
8934	2/ 8	3/ 8	5/ 8	5/ 8	1/ 8	2/ 8	2/ 8	4/ 8	8/ 8
	25.0%	37.5%	62.5%	62.5%	12.5%	25.0%	25.0%	50.0%	100.0%
8935	7/ 8	6/ 8	7/ 8	4/ 8	0/ 8	8/ 8			
	87.5%	75.0%	87.5%	50.0%	0.0%	100.0%			
8936	NO SURVIVING PUPS ON DAY 4 POSTPARTUM								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000505

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 8): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV					1.6 MG/KG/DAY			
8937	2/ 8	8/ 8							
	25.0%	100.0%							
8939	1/ 5	0/ 5	4/ 5	1/ 5	3/ 5	5/ 5			
	20.0%	0.0%	80.0%	20.0%	60.0%	100.0%			
8940	8/ 8								
	100.0%								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000506

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 9): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY				
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000507

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C42 (PAGE 10): ACOUSTIC STARTLE - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	13	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V					3.2 MG/KG/DAY			
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION								
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION								

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 1): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY			
8801	2/ 8	2/ 8	5/ 8	8/ 8				
	25.0%	25.0%	62.5%	100.0%				
8803	4/ 8	5/ 8	8/ 8					
	50.0%	62.5%	100.0%					
8804	1/ 8	6/ 8	6/ 8	7/ 8	8/ 8			
	12.5%	75.0%	75.0%	87.5%	100.0%			
8805	0/ 8	2/ 8	3/ 8	8/ 8				
	0.0%	25.0%	37.5%	100.0%				
8807	3/ 8	6/ 8	4/ 8	8/ 8				
	37.5%	75.0%	50.0%	100.0%				
8808	5/ 8	3/ 8	5/ 8	5/ 8	8/ 8			
	62.5%	37.5%	62.5%	62.5%	100.0%			
8811	1/ 8	5/ 8	8/ 8					
	12.5%	62.5%	100.0%					
8812	6/ 8	6/ 8	8/ 8					
	75.0%	75.0%	100.0%					
8813	1/ 8	6/ 8	7/ 8	8/ 8				
	12.5%	75.0%	87.5%	100.0%				
8814	8/ 8							
	100.0%							
8819	1/ 8	8/ 8						
	12.5%	100.0%						
8821	5/ 8	3/ 8	6/ 8	8/ 8				
	62.5%	37.5%	75.0%	100.0%				
8823	1/ 8	2/ 8	4/ 8	7/ 8	8/ 8			
	12.5%	25.0%	50.0%	87.5%	100.0%			
8824	0/ 8	3/ 8	3/ 8	4/ 8	5/ 8	8/ 8		
	0.0%	37.5%	37.5%	50.0%	62.5%	100.0%		
8826	0/ 8	0/ 8	2/ 8	3/ 8	8/ 8			
	0.0%	0.0%	25.0%	37.5%	100.0%			
8827	0/ 8	1/ 8	1/ 8	8/ 8				
	0.0%	12.5%	12.5%	100.0%				
8828	0/ 8	5/ 8	5/ 8	6/ 8	8/ 8			
	0.0%	62.5%	62.5%	75.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 2): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY			
8830	2/ 8	4/ 8	4/ 8	3/ 8	8/ 8			
	25.0%	50.0%	50.0%	37.5%	100.0%			
8831	0/ 8	3/ 8	4/ 8	3/ 8	8/ 8			
	0.0%	37.5%	50.0%	37.5%	100.0%			
8832	1/ 8	0/ 8	3/ 8	3/ 8	8/ 8			
	12.5%	0.0%	37.5%	37.5%	100.0%			
8833	1/ 8	6/ 8	8/ 8					
	12.5%	75.0%	100.0%					
8834	1/ 8	3/ 8	4/ 8	5/ 8	7/ 8	8/ 8		
	12.5%	37.5%	50.0%	62.5%	87.5%	100.0%		
8835	1/ 8	2/ 8	5/ 8	4/ 8	8/ 8			
	12.5%	25.0%	62.5%	50.0%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 3): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY			
8838	1/ 8	6/ 8	5/ 8	7/ 8	8/ 8			
	12.5%	75.0%	62.5%	87.5%	100.0%			
8840	0/ 8	1/ 8	6/ 8	7/ 8	8/ 8			
	0.0%	12.5%	75.0%	87.5%	100.0%			
8841	2/ 8	3/ 8	2/ 8	8/ 8				
	25.0%	37.5%	25.0%	100.0%				
8842	0/ 8	2/ 8	8/ 8					
	0.0%	25.0%	100.0%					
8845	2/ 8	0/ 8	7/ 8	7/ 8	8/ 8			
	25.0%	0.0%	87.5%	87.5%	100.0%			
8846	1/ 8	3/ 8	8/ 8					
	12.5%	37.5%	100.0%					
8847	0/ 8	3/ 8	7/ 8	6/ 8	8/ 8			
	0.0%	37.5%	87.5%	75.0%	100.0%			
8849	0/ 8	5/ 8	8/ 8					
	0.0%	62.5%	100.0%					
8851	1/ 8	3/ 8	5/ 8	6/ 8	8/ 8			
	12.5%	37.5%	62.5%	75.0%	100.0%			
8852	0/ 8	1/ 8	4/ 8	5/ 8	6/ 8	8/ 8		
	0.0%	12.5%	50.0%	62.5%	75.0%	100.0%		
8853	1/ 8	4/ 8	5/ 8	7/ 8	8/ 8			
	12.5%	50.0%	62.5%	87.5%	100.0%			
8854	0/ 8	1/ 8	4/ 8	6/ 8	5/ 8	8/ 8		
	0.0%	12.5%	50.0%	75.0%	62.5%	100.0%		
8855	0/ 8	1/ 8	3/ 8	3/ 8	8/ 8			
	0.0%	12.5%	37.5%	37.5%	100.0%			
8857	3/ 8	1/ 8	3/ 8	5/ 8	7/ 8	8/ 8		
	37.5%	12.5%	37.5%	62.5%	87.5%	100.0%		
8858	2/ 8	3/ 8	6/ 8	5/ 8	6/ 8	8/ 8		
	25.0%	37.5%	75.0%	62.5%	75.0%	100.0%		
8860	3/ 8	5/ 8	5/ 8	6/ 8	6/ 8	8/ 8		
	37.5%	62.5%	62.5%	75.0%	75.0%	100.0%		
8862	0/ 8	0/ 8	5/ 8	3/ 8	5/ 8	8/ 8		
	0.0%	0.0%	62.5%	37.5%	62.5%	100.0%		
8863	2/ 8	5/ 8	5/ 8	5/ 8	8/ 8			
	25.0%	62.5%	62.5%	62.5%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 4): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II				0.1 MG/KG/DAY			
8864	0/ 8	5/ 8	6/ 8	8/ 8				
	0.0%	62.5%	75.0%	100.0%				
8865	1/ 8	3/ 8	2/ 8	5/ 8	4/ 8	7/ 8	8/ 8	
	12.5%	37.5%	25.0%	62.5%	50.0%	87.5%	100.0%	
8866	3/ 8	1/ 8	6/ 8	4/ 8	7/ 8	8/ 8		
	37.5%	12.5%	75.0%	50.0%	87.5%	100.0%		
8867	3/ 8	5/ 8	6/ 8	7/ 8	7/ 8	7/ 8	8/ 8	
	37.5%	62.5%	75.0%	87.5%	87.5%	87.5%	100.0%	
8868	0/ 8	3/ 8	7/ 8	6/ 8	8/ 8			
	0.0%	37.5%	87.5%	75.0%	100.0%			
8869	2/ 8	2/ 8	4/ 8	6/ 8	8/ 8			
	25.0%	25.0%	50.0%	75.0%	100.0%			
8870	0/ 8	1/ 8	5/ 8	8/ 8				
	0.0%	12.5%	62.5%	100.0%				

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000512

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 5): AIR Rrighting INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY			
8872	2/ 8	2/ 8	3/ 8	8/ 8				
	25.0%	25.0%	37.5%	100.0%				
8874	0/ 8	2/ 8	6/ 8	5/ 8	8/ 8			
	0.0%	25.0%	75.0%	62.5%	100.0%			
8875	1/ 8	0/ 8	3/ 8	7/ 8	8/ 8			
	12.5%	0.0%	37.5%	87.5%	100.0%			
8876	2/ 6	4/ 6	6/ 6					
	33.3%	66.7%	100.0%					
8881	1/ 8	2/ 8	2/ 8	5/ 8	8/ 8			
	12.5%	25.0%	25.0%	62.5%	100.0%			
8882	2/ 8	5/ 8	5/ 8	5/ 8	8/ 8			
	25.0%	62.5%	62.5%	62.5%	100.0%			
8885	2/ 8	3/ 8	3/ 8	8/ 8				
	25.0%	37.5%	37.5%	100.0%				
8889	4/ 8	0/ 8	0/ 8	8/ 8				
	50.0%	0.0%	0.0%	100.0%				
8890	1/ 8	5/ 8	4/ 8	6/ 8	8/ 8			
	12.5%	62.5%	50.0%	75.0%	100.0%			
8891	3/ 8	4/ 8	6/ 8	6/ 8	8/ 8			
	37.5%	50.0%	75.0%	75.0%	100.0%			
8892	0/ 8	6/ 8	2/ 8	3/ 8	8/ 8			
	0.0%	75.0%	25.0%	37.5%	100.0%			
8893	0/ 8	1/ 8	2/ 7	2/ 6	4/ 6	6/ 6		
	0.0%	12.5%	28.6%	33.3%	66.7%	100.0%		
8894	0/ 3	1/ 3	2/ 3	3/ 3				
	0.0%	33.3%	66.7%	100.0%				
8895	0/ 8	1/ 8	8/ 8					
	0.0%	12.5%	100.0%					
8896a	0/ 8	3/ 8	3/ 8	6/ 8	8/ 8			
	0.0%	37.5%	37.5%	75.0%	100.0%			
8897a	3/ 8	5/ 8	4/ 8	6/ 8	8/ 8			
	37.5%	62.5%	50.0%	75.0%	100.0%			
8898	0/ 8	5/ 8	2/ 8	5/ 8	5/ 8	5/ 8	8/ 8	
	0.0%	62.5%	25.0%	62.5%	62.5%	62.5%	100.0%	
8899	1/ 7	3/ 7	5/ 7	6/ 7	7/ 7			
	14.3%	42.8%	71.4%	85.7%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

a. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 6): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III				0.4 MG/KG/DAY			
8900	0/ 8	2/ 8	1/ 8	4/ 8	8/ 8			
	0.0%	25.0%	12.5%	50.0%	100.0%			
8901	0/ 8	0/ 8	3/ 8	5/ 8	5/ 8	8/ 8		
	0.0%	0.0%	37.5%	62.5%	62.5%	100.0%		
8902	0/ 8	2/ 8	4/ 8	5/ 8	6/ 8	8/ 8		
	0.0%	25.0%	50.0%	62.5%	75.0%	100.0%		
8905	0/ 8	3/ 8	2/ 8	3/ 8	8/ 8			
	0.0%	37.5%	25.0%	37.5%	100.0%			

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 7): AIR Rrighting INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY			
8906	0/ 8	1/ 8	1/ 8	4/ 8	6/ 8	6/ 8	8/ 8	
	0.0%	12.5%	12.5%	50.0%	75.0%	75.0%	100.0%	
8909	1/ 8	0/ 8	3/ 8	4/ 8	8/ 8			
	12.5%	0.0%	37.5%	50.0%	100.0%			
8913	0/ 8	1/ 8	1/ 8	6/ 8	4/ 8	8/ 8		
	0.0%	12.5%	12.5%	75.0%	50.0%	100.0%		
8919	0/ 8	0/ 8	2/ 8	4/ 8	6/ 8	8/ 8		
	0.0%	0.0%	25.0%	50.0%	75.0%	100.0%		
8920	0/ 6	0/ 6	1/ 6	1/ 6	3/ 6	6/ 6		
	0.0%	0.0%	16.7%	16.7%	50.0%	100.0%		
8921	0/ 8	0/ 8	1/ 8	3/ 8	5/ 8	7/ 8	8/ 8	
	0.0%	0.0%	12.5%	37.5%	62.5%	87.5%	100.0%	
8925	0/ 7	0/ 7	2/ 7	3/ 7	3/ 7	4/ 7	7/ 7	
	0.0%	0.0%	28.6%	42.8%	42.8%	57.1%	100.0%	
8926	0/ 4	0/ 4	0/ 4	0/ 4	2/ 4	0/ 4	2/ 4	2/ 4
	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	50.0%	50.0%
8927	0/ 2	0/ 2	0/ 2	0/ 2	0/ 2	1/ 2	1/ 2	1/ 2
	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	50.0%	50.0%
8928	0/ 8	1/ 8	3/ 8	6/ 8	4/ 8	8/ 8		
	0.0%	12.5%	37.5%	75.0%	50.0%	100.0%		
8929	NO SURVIVING PUPS ON DAY 2 POSTPARTUM							
8930	0/ 8	0/ 8	0/ 8	7/ 8	6/ 8	2/ 8	8/ 8	
	0.0%	0.0%	0.0%	87.5%	75.0%	25.0%	100.0%	
8931	1/ 4	0/ 4	0/ 4	0/ 4	2/ 4	2/ 4	4/ 4	
	25.0%	0.0%	0.0%	0.0%	50.0%	50.0%	100.0%	
8932	0/ 8	0/ 8	2/ 8	3/ 8	5/ 8	5/ 8	7/ 8	7/ 8
	0.0%	0.0%	25.0%	37.5%	62.5%	62.5%	87.5%	87.5%
8934	0/ 8	0/ 8	8/ 8					
	0.0%	0.0%	100.0%					
8935	0/ 8	1/ 8	0/ 8	3/ 8	4/ 8	7/ 8	8/ 8	
	0.0%	12.5%	0.0%	37.5%	50.0%	87.5%	100.0%	
8936	NO SURVIVING PUPS ON DAY 4 POSTPARTUM							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 8): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV				1.6 MG/KG/DAY			
8937	0/ 8	1/ 8	4/ 8	1/ 8	6/ 8	8/ 8		
	0.0%	12.5%	50.0%	12.5%	75.0%	100.0%		
8939	0/ 5	0/ 5	0/ 5	0/ 5	3/ 5	3/ 5	5/ 5	
	0.0%	0.0%	0.0%	0.0%	60.0%	60.0%	100.0%	
8940	2/ 8	0/ 8	2/ 8	5/ 8	5/ 8	8/ 8		
	25.0%	0.0%	25.0%	62.5%	62.5%	100.0%		

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000516

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 9): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY			
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000517

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C43 (PAGE 10): AIR Rrighting - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	14	15	16	17	18	19	20	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V				3.2 MG/KG/DAY			
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION							
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION							
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION							

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000518

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 1): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY
8801	8/ 8
	100.0%
8803	8/ 8
	100.0%
8804	8/ 8
	100.0%
8805	8/ 8
	100.0%
8807	8/ 8
	100.0%
8808	8/ 8
	100.0%
8811	8/ 8
	100.0%
8812	8/ 8
	100.0%
8813	8/ 8
	100.0%
8814	8/ 8
	100.0%
8819	8/ 8
	100.0%
8821	8/ 8
	100.0%
8823	8/ 8
	100.0%
8824	8/ 8
	100.0%
8826	8/ 8
	100.0%
8827	8/ 8
	100.0%
8828	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000519

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 2): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY
8830	8/ 8
	100.0%
8831	8/ 8
	100.0%
8832	8/ 8
	100.0%
8833	8/ 8
	100.0%
8834	8/ 8
	100.0%
8835	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000520

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 3): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY
8838	8/ 8
	100.0%
8840	8/ 8
	100.0%
8841	8/ 8
	100.0%
8842	8/ 8
	100.0%
8845	8/ 8
	100.0%
8846	8/ 8
	100.0%
8847	8/ 8
	100.0%
8849	8/ 8
	100.0%
8851	8/ 8
	100.0%
8852	8/ 8
	100.0%
8853	8/ 8
	100.0%
8854	8/ 8
	100.0%
8855	8/ 8
	100.0%
8857	8/ 8
	100.0%
8858	8/ 8
	100.0%
8860	8/ 8
	100.0%
8862	8/ 8
	100.0%
8863	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000521

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 4): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY
8864	8/ 8
	100.0%
8865	8/ 8
	100.0%
8866	8/ 8
	100.0%
8867	8/ 8
	100.0%
8868	8/ 8
	100.0%
8869	8/ 8
	100.0%
8870	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000522

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 5): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY
8872	8/ 8 100.0%
8874	8/ 8 100.0%
8875	8/ 8 100.0%
8876	6/ 6 100.0%
8881	8/ 8 100.0%
8882	8/ 8 100.0%
8885	8/ 8 100.0%
8889	8/ 8 100.0%
8890	8/ 8 100.0%
8891	8/ 8 100.0%
8892	8/ 8 100.0%
8893	6/ 6 100.0%
8894	3/ 3 100.0%
8895	8/ 8 100.0%
8896a	8/ 8 100.0%
8897a	8/ 8 100.0%
8898	8/ 8 100.0%
8899	7/ 7 100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

a. On day 15 postpartum, the pups from litter 8897 were discovered in the litter box with litter 8896. The pups were arbitrarily distributed between the two dams and values will be included in group averages and statistical analyses.

000523

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 6): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY
8900	8/ 8
	100.0%
8901	8/ 8
	100.0%
8902	8/ 8
	100.0%
8905	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000524

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 7): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV 1.6 MG/KG/DAY
8906	8/ 8 100.0%
8909	8/ 8 100.0%
8913	8/ 8 100.0%
8919	8/ 8 100.0%
8920	6/ 6 100.0%
8921	8/ 8 100.0%
8925	7/ 7 100.0%
8926	4/ 4 100.0%
8927	2/ 2 100.0%
8928	8/ 8 100.0%
8929	NO SURVIVING PUPS ON DAY 2 POSTPARTUM
8930	8/ 8 100.0%
8931	4/ 4 100.0%
8932	8/ 8 100.0%
8934	8/ 8 100.0%
8935	8/ 8 100.0%
8936	NO SURVIVING PUPS ON DAY 4 POSTPARTUM

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000525

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 8): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP IV 1.6 MG/KG/DAY
8937	8/ 8
	100.0%
8939	5/ 5
	100.0%
8940	8/ 8
	100.0%

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000526

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 9): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY 21		
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V	3.2 MG/KG/DAY
8942	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8943	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8944	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8946	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8949	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8950	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8955	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8956	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8959	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8960	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8961	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8962	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8964	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8967	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8968	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8969	NO SURVIVING PUPS ON DAY 1 OF LACTATION	
8970	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8971	NO SURVIVING PUPS ON DAY 2 OF LACTATION	
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION	

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

000527

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C44 (PAGE 10): PUPIL CONSTRICTION - INDIVIDUAL DATA - F1 GENERATION LITTERS

POSTPARTUM DAY	21
MATERNAL/LITTER #	MATERNAL DOSAGE GROUP V 3.2 MG/KG/DAY
8973	NO SURVIVING PUPS ON DAY 2 OF LACTATION
8974	NO SURVIVING PUPS ON DAY 1 OF LACTATION
8975	NO SURVIVING PUPS ON DAY 1 OF LACTATION

N/N = NUMBER OF PUPS IN EACH LITTER WITH DEVELOPMENTAL MEASURE/TOTAL NUMBER OF PUPS IN THE LITTER

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I 0 (VEHICLE)	8801	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8803	1	1 PUP: STILLBORN.
		4,21	ALL PUPS APPEARED NORMAL.
	8804	4,21	ALL PUPS APPEARED NORMAL.
	8805	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8807	4,21	ALL PUPS APPEARED NORMAL.
	8808	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8811	4,21	ALL PUPS APPEARED NORMAL.
	8812	4,21	ALL PUPS APPEARED NORMAL.
	8813	4,21	ALL PUPS APPEARED NORMAL.
	8814	4,21	ALL PUPS APPEARED NORMAL.
	8819	4,21	ALL PUPS APPEARED NORMAL.
	8821	4,21	ALL PUPS APPEARED NORMAL.
	8823	4,21	ALL PUPS APPEARED NORMAL.
	8824	4,21	ALL PUPS APPEARED NORMAL.
	8826	4,21	ALL PUPS APPEARED NORMAL.
	8827	4,21	ALL PUPS APPEARED NORMAL.
	8828	1	3 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8830	4,21	ALL PUPS APPEARED NORMAL.
	8831	4,21	ALL PUPS APPEARED NORMAL.
	8832	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I (Cont.)			
0 (VEHICLE)	8833	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8834	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8835	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
II			
0.1	8838	4,21	ALL PUPS APPEARED NORMAL.
	8840	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8841	4,21	ALL PUPS APPEARED NORMAL.
	8842	4,21	ALL PUPS APPEARED NORMAL.
	8844	4,21	ALL PUPS APPEARED NORMAL.
	8845	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8846	4,21	ALL PUPS APPEARED NORMAL.
	8847	4,21	ALL PUPS APPEARED NORMAL.
	8849	4,21	ALL PUPS APPEARED NORMAL.
	8851	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8852	4,21	ALL PUPS APPEARED NORMAL.
	8853	4,21	ALL PUPS APPEARED NORMAL.
	8854	4,21	ALL PUPS APPEARED NORMAL.
	8855	4,21	ALL PUPS APPEARED NORMAL.
	8857	4,21	ALL PUPS APPEARED NORMAL.
	8858	1	1 PUP: STILLBORN.
		4,21	ALL PUPS APPEARED NORMAL.
	8860	4,21	ALL PUPS APPEARED NORMAL.
	8862	4,21	ALL PUPS APPEARED NORMAL.
	8863	4,21	ALL PUPS APPEARED NORMAL.
	8864	4,21	ALL PUPS APPEARED NORMAL.
	8865	4,21	ALL PUPS APPEARED NORMAL.
	8866	4,21	ALL PUPS APPEARED NORMAL.
	8867	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
II (Cont.)			
0.1	8868	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8869	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8870	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
III 0.4	8872	1	1 PUP: STILLBORN.
		4,21	ALL PUPS APPEARED NORMAL.
	8874	4,21	ALL PUPS APPEARED NORMAL.
	8875	4,21	ALL PUPS APPEARED NORMAL.
	8876	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8881	4,21	ALL PUPS APPEARED NORMAL.
	8882	4,21	ALL PUPS APPEARED NORMAL.
	8885	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8889	4,21	ALL PUPS APPEARED NORMAL.
	8890	4,21	ALL PUPS APPEARED NORMAL.
	8891	4,21	ALL PUPS APPEARED NORMAL.
	8892	4	ALL PUPS APPEARED NORMAL.
		21	1 PUP: KIDNEYS, RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL. ALL OTHER PUPS APPEARED NORMAL.
	8893	4	ALL PUPS APPEARED NORMAL.
		16	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		17	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	1 PUP: BRAIN, LATERAL VENTRICLES, SEVERE DILATION. ALL OTHER TISSUES APPEARED NORMAL. 1 PUP: BRAIN, LATERAL VENTRICLES, MODERATE DILATION. ALL OTHER TISSUES APPEARED NORMAL. ALL OTHER PUPS APPEARED NORMAL.
	8895	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

000533

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
III (Cont.)			
0.4	8896	4,21	ALL PUPS APPEARED NORMAL.
	8897	4,21	ALL PUPS APPEARED NORMAL.
	8898	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8899	13	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8900	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8901	4,21	ALL PUPS APPEARED NORMAL.
	8902	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8905	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

000534

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 7): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
IV			
1.6	8906	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8909	4,21	ALL PUPS APPEARED NORMAL.
	8913	3	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8919	4,21	ALL PUPS APPEARED NORMAL.
	8920	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8921	1	1 PUP: STILLBORN. WHOLE BODY EDEMA. ALL OTHER TISSUES APPEARED NORMAL.
			1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8925	2	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		10	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8926	2	5 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		3	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

000535

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 8): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
IV (Cont.)			
1.6	8927	2	4 PUPS: FOUND DEAD. NO MILK IN STOMACH.
			1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		3	3 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	4 PUPS: FOUND DEAD. NO MILK IN STOMACH.
			ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8928	4,21	ALL PUPS APPEARED NORMAL.
	8930	1	4 PUPS: FOUND DEAD. NO MILK IN STOMACH.
			ALL OTHER TISSUES APPEARED NORMAL.
			1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8931	1	1 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
			6 PUPS: FOUND DEAD. NO MILK IN STOMACH.
		21	ALL PUPS APPEARED NORMAL.
	8932	2	1 PUP: FOUND DEAD. NO MILK IN STOMACH.
			ALL OTHER TISSUES APPEARED NORMAL.
		3	2 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

000536

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 9): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
IV (Cont.)			
1.6	8934	1	2 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8935	4	1 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	8936	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
			4 PUPS: FOUND DEAD. NO MILK PRESENT IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	2 PUPS: FOUND DEAD. NO MILK PRESENT IN STOMACH.
		3	2 PUPS: FOUND DEAD. NO MILK PRESENT IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4	6 PUPS: FOUND DEAD. NO MILK PRESENT IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8937	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8939	1	2 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
			6 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	8940	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
			1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

000537

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 10): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
V 3.2	8942	1	6 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8943	1	4 PUPS: STILLBORN. 2 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8944	1	2 PUPS: STILLBORN. 3 PUPS: FOUND DEAD. NO MILK IN STOMACH.
	8946	1	3 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		2	7 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8949	2	9 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
	8950	1	2 PUPS: STILLBORN. 4 PUPS: FOUND DEAD.
	8955	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL. 7 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8956	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. BOTH HINDLIMBS, MISSING; PORTION OF TAIL, MISSING.b ALL OTHER TISSUES APPEARED NORMAL. 1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		2	11 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.
b. Presumed cannibalized by dam.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 11): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
V (Cont.)			
15	8959	1	3 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			2 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	8 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8960	1	9 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			4 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8961	1	3 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	8 PUPS: FOUND DEAD. NO MILK IN STOMACH. PORTION OF TAIL, MISSING. b ALL OTHER TISSUES APPEARED NORMAL.
	8962	1	3 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8964	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
			1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	5 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8967	1	8 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
	8968	1	6 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			2 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.
b. Presumed cannibalized by dam.

000539

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE C45 (PAGE 12): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
V (Cont.)			
3.2	8969	1	4 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8970	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		2	9 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8971	2	6 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8973	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
			9 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
	8974	1	3 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
			8 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
	8975	1	12 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C38) for external clinical observations confirmed at necropsy.

APPENDIX D

REPORT TABLES - F1 GENERATION MALE RATS

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 0.1	III 0.4
MAXIMUM POSSIBLE INCIDENCE	2207/ 25	2196/ 25	2215/ 25
FOUND DEAD	2a,b	1c	0
INCISORS: TOTAL	96/ 3	152/ 8	97/ 4
MISALIGNED	87/ 2	108/ 4	94/ 3
MISSING/BROKEN	13/ 2	76/ 7	17/ 2
CHROMORHINORRHEA	7/ 1b	9/ 4	6/ 4
ABRASION d	0/ 0	61/ 4	32/ 2
CHROMODACRYORRHEA	58/ 1	50/ 4	38/ 1
BASE OF TAIL: LACERATION	0/ 0	0/ 0	11/ 1
SNOUT: SWOLLEN	0/ 0	8/ 2	3/ 1
RED PERIORAL SUBSTANCE	0/ 0	1/ 1	1/ 1
PENIS: RED SUBSTANCE	0/ 0	0/ 0	2/ 1
LOCALIZED ALOPECIA: TOTAL	6/ 1	66/ 4	0/ 0
BACK	0/ 0	16/ 3**	0/ 0
LIMBS	6/ 1	29/ 1	0/ 0
HEAD	0/ 0	24/ 1	0/ 0
BACK: SCAB	14/ 1	8/ 2	0/ 0
URINE-STAINED ABDOMINAL FUR	0/ 0	4/ 1	0/ 0
SOFT OR LIQUID FECES	0/ 0	1/ 1	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 13105 was found dead on day 87 postweaning.
b. Rat 13116 was found dead on day 86 postweaning.
c. Rat 13138 was found dead on day 66 postweaning.
d. Located on the head, corner of left eye, left forelimb or back.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 0.1	III 0.4
MAXIMUM POSSIBLE INCIDENCE	2207/ 25	2196/ 25	2215/ 25
FOUND DEAD	2a,b	1c	0
EARS: SWOLLEN AND PURPLE	9/ 1	0/ 0	0/ 0
RALES	2/ 1	0/ 0	0/ 0
GASPING	1/ 1	0/ 0	0/ 0
EXCESS SALIVATION	1/ 1	0/ 0	0/ 0
EYES: DILATED PUPIL	1/ 1	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 13105 was found dead on day 87 postweaning.
b. Rat 13116 was found dead on day 86 postweaning.
c. Rat 13138 was found dead on day 66 postweaning.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D2 (PAGE 1): BODY WEIGHTS - SUMMARY F1 GENERATION MALE RATS

DOSAGE GROUP			I	II	III
DOSAGE (MG/KG/DAY)			0 (VEHICLE)	0.1	0.4
RATS TESTED		N	25	25	25
BODY WEIGHT (G)					
DAY 1		MEAN±S.D.	54.0 ± 5.8	52.1 ± 5.3	50.8 ± 4.9 [23]a
DAY 8		MEAN±S.D.	101.6 ± 10.3	98.2 ± 8.1	96.4 ± 8.5
DAY 15		MEAN±S.D.	161.8 ± 13.6	156.2 ± 11.6	154.5 ± 11.8
DAY 22		MEAN±S.D.	223.7 ± 17.1	219.6 ± 14.0	216.6 ± 15.4
DAY 29		MEAN±S.D.	285.0 ± 21.1	279.4 ± 17.2	277.2 ± 21.0
DAY 36		MEAN±S.D.	338.2 ± 25.6	334.7 ± 20.9	332.4 ± 22.8
DAY 43		MEAN±S.D.	381.1 ± 30.3	377.9 ± 21.6	373.3 ± 26.2
DAY 50		MEAN±S.D.	420.5 ± 33.4	414.0 ± 25.3	410.6 ± 32.9
DAY 57		MEAN±S.D.	448.4 ± 34.2	437.0 ± 29.5	436.8 ± 37.4
DAY 64		MEAN±S.D.	472.2 ± 36.9	465.1 ± 34.3	462.6 ± 44.0
PRECOHABITATION b		MEAN±S.D.	508.6 ± 42.8	499.2 ± 39.0 [24]c	494.8 ± 51.1
TERMINAL BODY WEIGHT d		MEAN±S.D.	542.0 ± 50.9 [23]c	533.0 ± 43.6 [24]c	522.3 ± 54.6

DAY = DAY POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were not recorded.
b. Precohabitation body weights were recorded on the day that cohabitation began for the F1 generation rats; at that time these rats were 85 to 97 days of age.
c. Excludes values for rats that were found dead.
d. Terminal body weights were recorded when the rats were 100 to 112 days of age.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D3 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
BODY WEIGHT CHANGE (G)				
DAYS 1 - 8	MEAN±S.D.	+47.7 ± 5.5	+46.1 ± 3.9	+46.5 ± 4.8 [23]a
DAYS 8 - 15	MEAN±S.D.	+60.2 ± 6.8	+58.0 ± 5.3	+58.1 ± 4.9
DAYS 15 - 22	MEAN±S.D.	+61.8 ± 6.2	+63.5 ± 4.8	+62.2 ± 5.7
DAYS 22 - 29	MEAN±S.D.	+61.4 ± 6.5	+59.7 ± 4.7	+60.6 ± 8.0
DAYS 29 - 36	MEAN±S.D.	+53.2 ± 10.8	+55.3 ± 9.2	+55.2 ± 5.0
DAYS 36 - 43	MEAN±S.D.	+42.9 ± 8.5	+43.2 ± 7.3	+40.9 ± 8.9
DAYS 43 - 50	MEAN±S.D.	+39.4 ± 6.5	+36.1 ± 10.9	+37.3 ± 10.2
DAYS 50 - 57	MEAN±S.D.	+27.8 ± 8.7	+23.0 ± 22.9	+26.3 ± 7.2
DAYS 57 - 64	MEAN±S.D.	+23.9 ± 8.6	+28.2 ± 24.9	+25.8 ± 13.9
DAY 1 - PRECOHABITATION b	MEAN±S.D.	+454.6 ± 40.7	+447.1 ± 36.5 [24]c	+443.5 ± 51.4 [23]a
DAY 1 - TERMINATION d	MEAN±S.D.	+488.0 ± 48.6 [23]c	+480.9 ± 41.2 [24]c	+471.2 ± 55.3 [23]a

DAY(S) = DAY(S) POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were not recorded.
b. Precohabitation body weights were recorded on the day that cohabitation began for the F1 generation rats; at that time these rats were 85 to 97 days of age.
c. Excludes values for rats that were found dead.
d. Terminal body weights were recorded when the rats were 79 to 91 days of age.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D4 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
FEED CONSUMPTION (G/DAY)				
DAYS 1 - 8	MEAN±S.D.	14.7 ± 1.5	13.8 ± 1.3*	13.4 ± 2.9**
DAYS 8 - 15	MEAN±S.D.	21.7 ± 1.5	22.1 ± 2.3	20.8 ± 3.2
DAYS 15 - 22	MEAN±S.D.	26.0 ± 2.2 [24]a	25.8 ± 1.4	25.4 ± 1.7
DAYS 22 - 29	MEAN±S.D.	28.8 ± 2.0	29.2 ± 1.6	28.5 ± 2.3
DAYS 29 - 36	MEAN±S.D.	30.3 ± 3.5	30.0 ± 3.1	29.9 ± 2.3
DAYS 36 - 43	MEAN±S.D.	32.2 ± 2.8	32.6 ± 2.9	31.7 ± 2.6
DAYS 43 - 50	MEAN±S.D.	32.4 ± 3.4 [24]a	33.0 ± 3.3 [24]a	31.7 ± 3.1
DAYS 50 - 57	MEAN±S.D.	32.3 ± 2.8	31.7 ± 2.2	31.5 ± 3.1
DAYS 57 - 64b	MEAN±S.D.	30.5 ± 2.7 [22]a	30.2 ± 4.1	30.9 ± 3.2
DAYS 1 - 64b	MEAN±S.D.	27.3 ± 1.7 [22]a	27.6 ± 1.5	27.1 ± 1.9

DAYS = DAYS POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Spilled feed precluded the calculation of this value.
b. Last value recorded before cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000546

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D5 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
FEED CONSUMPTION (G/KG/DAY)				
DAYS 1 - 8	MEAN±S.D.	189.9 ± 17.6	184.9 ± 17.8	183.6 ± 38.1 [23]a
DAYS 8 - 15	MEAN±S.D.	165.5 ± 11.0	174.5 ± 16.3	166.4 ± 23.9
DAYS 15 - 22	MEAN±S.D.	135.6 ± 7.2 [24]b	137.6 ± 7.1	137.3 ± 7.6
DAYS 22 - 29	MEAN±S.D.	113.5 ± 5.4	117.1 ± 4.6*	115.3 ± 4.8
DAYS 29 - 36	MEAN±S.D.	97.3 ± 8.9	97.7 ± 8.1	98.1 ± 4.2
DAYS 36 - 43	MEAN±S.D.	89.6 ± 6.2	91.4 ± 6.9	90.0 ± 6.6
DAYS 43 - 50	MEAN±S.D.	80.7 ± 5.5 [24]b	83.4 ± 7.6 [24]b	80.9 ± 6.0
DAYS 50 - 57	MEAN±S.D.	74.5 ± 4.6	74.7 ± 4.1	74.2 ± 3.8
DAYS 57 - 64c	MEAN±S.D.	67.2 ± 4.7 [22]b	67.1 ± 8.4	68.6 ± 3.8
DAYS 1 - 64c	MEAN±S.D.	96.2 ± 4.1 [22]b	97.4 ± 3.8	96.6 ± 3.6 [23]b

DAYS = DAYS POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values that were not recorded.
b. Spilled feed precluded the calculation of this value.
c. Last value recorded before cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).

000547

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D6 (PAGE 1): SEXUAL MATURATION - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
MALE RATS	N	25	25	25
PREPUTIAL SEPARATION a	MEAN±S.D.	45.0 ± 2.1	45.7 ± 2.3	45.1 ± 1.8

a. Average day postpartum that the prepuce was observed to be separated.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D7 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
MALE RATS				
SESSION 1a	N	23	25	22
TRIALS TO CRITERION	MEAN±S.D.	4.8 ± 1.0	6.1 ± 2.9	4.8 ± 1.1
LATENCY TRIAL 1b	MEAN±S.D.	8.9 ± 5.0	7.8 ± 4.8	10.5 ± 6.0
LATENCY TRIAL 2b	MEAN±S.D.	21.4 ± 15.8	20.1 ± 19.7	23.9 ± 20.7
FAILED TO LEARN c	N(%)	0(0.0)	1(4.0)	0(0.0)
SESSION 2a	N	23	24	22
TRIALS TO CRITERION	MEAN±S.D.	3.3 ± 2.6	3.6 ± 2.2	3.5 ± 2.7
LATENCY TRIAL 1b	MEAN±S.D.	32.8 ± 22.2	28.2 ± 23.5	33.1 ± 22.4

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Number of rats that did not meet the criterion in Session 1 (Learning Phase).

000549

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D8 (PAGE 1): WATERMAZE PERFORMANCE - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
MALE RATS				
SESSION 1a	N	23	25	21
TRIALS TO CRITERION	MEAN±S.D.	9.1 ± 3.1	9.4 ± 3.0	9.0 ± 3.0
ERRORS PER TRIAL	MEAN±S.D.	0.37 ± 0.17	0.40 ± 0.24	0.43 ± 0.22
LATENCY TRIAL 2b	MEAN±S.D.	11.7 ± 7.4	13.7 ± 13.9	10.6 ± 6.0
FAILED TO LEARN c	N(%)	0(0.0)	2(8.0)	0(0.0)
SESSION 2a	N	23	23	21
TRIALS TO CRITERION	MEAN±S.D.	6.4 ± 2.6	6.3 ± 1.9	5.5 ± 0.9
ERRORS PER TRIAL	MEAN±S.D.	0.12 ± 0.20	0.08 ± 0.11	0.09 ± 0.15
LATENCY TRIAL 1b	MEAN±S.D.	10.3 ± 8.3	9.1 ± 6.5	10.7 ± 6.7

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Number of rats that did not meet the criterion in Session 1 (Learning Phase); Session 2 (Retention Phase) values for these rats were excluded from group averages and statistical analyses.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D9 (PAGE 1): MATING AND FERTILITY - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS IN COHABITATION	N	23a	24b	25
DAYS IN COHABITATION c	MEAN±S.D	3.2 ± 2.1	3.4 ± 1.9	2.6 ± 1.5
RATS THAT MATED d	N(%)	20(87.0)	22(91.7)	25(100.0)
FERTILITY INDEX e,f	N/N	19/20	20/22	24/25
	(%)	(95.0)	(90.9)	(96.0)
RATS WITH CONFIRMED MATING DATES g	N	20	22	25
RATS MATING h DAYS 1-7	N(%)	20(100.0)	22(92.0)	25(100.0)
RATS PREGNANT/RATS IN COHABITATION g	N/N	19/23	20/24	24/25
	(%)	(82.6)	(83.3)	(96.0)

a. Excludes values for rats that were not assigned to cohabitation because there were no available female rats.
b. Excludes values for rat 13138, which was found dead day 66 postweaning.
c. Restricted to rats with a confirmed mating date on days 1 to 7 of cohabitation and rats that did not mate.
d. Includes only one mating for each male rat.
e. Number of pregnancies/number of rats that mated.
f. Includes only one pregnancy for each rat that impregnated more than one female rat.
g. Includes only one confirmed mating for each male rat.
h. Restricted to rats with a confirmed mating date during days 1 to 7 of cohabitation.

000551

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D10 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS EXAMINED a	N	25	25	25
FOUND DEAD	N	2b,c	1d	0
APPEARED NORMAL	N	23	21d	23
ABDOMINAL ADIPOSE TISSUE:				
RED WITH FIRM AREAS	N	0	0	1
KIDNEYS:				
BILATERAL, LARGE	N	0	0	1
PARENCHYMA, NUMEROUS FLUID-FILLED CYSTS	N	0	0	1
RIGHT OR LEFT, PELVIS, SLIGHT DILATION	N	0	2	0
LEFT, PELVIS, SIX CALCULI	N	0	1	0
TESTES:				
BILATERAL OR RIGHT, PURPLE AND/OR FLACCID	N	0	3**	0
EPIDIDYMIDES:				
BILATERAL OR RIGHT, FLACCID	N	0	3**	0
LEFT OR RIGHT, SMALL	N	0	2	0
URETERS:				
LEFT, DILATED	N	0	1	0

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.
b. Rat 13105 was found dead on day 87 postweaning.
c. Rat 13116 was found dead on day 86 postweaning.
d. Rat 13138 was found dead on day 66 postweaning.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D10 (PAGE 2): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS EXAMINED a	N	25	25	25
FOUND DEAD	N	2b,c	1d	0
URINARY BLADDER:				
WALLS, THICKENED AND NUMEROUS CALCULI	N	0	1	0
THORACIC CAVITY:				
DARK RED CLOTTED MATERIAL	N	1c	0	0
LUNGS:				
ALL LOBES, DARK RED	N	1b	0	0
EXTERNAL OBSERVATIONS:				
RED PERINASAL SUBSTANCE	N	1c	0	0

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.
b. Rat 13105 was found dead on day 87 postweaning.
c. Rat 13116 was found dead on day 86 postweaning.
d. Rat 13138 was found dead on day 66 postweaning.

000553

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D11 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)a		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a	24a	25
TERMINAL BODY WEIGHT	MEAN±S.D.	542.0 ± 50.9	533.0 ± 43.6	522.3 ± 54.6
EPIDIDYMIS LEFT	MEAN±S.D.	0.67 ± 0.07	0.65 ± 0.06 [23]b	0.63 ± 0.04
TESTIS LEFT	MEAN±S.D.	1.77 ± 0.16	1.80 ± 0.16 [23]b	1.79 ± 0.12
SEMINAL VESICLES WITH FLUID	MEAN±S.D.	1.75 ± 0.33	1.72 ± 0.24 [22]b	1.62 ± 0.20 [24]b
SEMINAL VESICLES WITHOUT FLUID	MEAN±S.D.	1.04 ± 0.17	1.05 ± 0.19	0.96 ± 0.15
EPIDIDYMIS RIGHT	MEAN±S.D.	0.67 ± 0.06	0.66 ± 0.05 [21]b	0.64 ± 0.04
TESTIS RIGHT	MEAN±S.D.	1.78 ± 0.18	1.79 ± 0.15 [21]b	1.82 ± 0.12
PROSTATE	MEAN±S.D.	0.93 ± 0.19	0.91 ± 0.22	0.89 ± 0.19

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that were found dead.
b. Excludes values for rats that had abnormal organs (weight affected) or organs damaged (weight affected).

000554

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D12 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)a		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a	24a	25
TERMINAL BODY WEIGHT	MEAN±S.D.	542.0 ± 50.9	533.0 ± 43.6	522.3 ± 54.6
EPIDIDYMIS LEFT	MEAN±S.D.	0.124 ± 0.017	0.122 ± 0.014 [23]b	0.121 ± 0.014
TESTIS LEFT	MEAN±S.D.	0.329 ± 0.041	0.332 ± 0.043 [23]b	0.346 ± 0.037
SEMINAL VESICLES WITH FLUID	MEAN±S.D.	0.325 ± 0.068	0.325 ± 0.055 [22]b	0.316 ± 0.055 [24]b
SEMINAL VESICLES WITHOUT FLUID	MEAN±S.D.	0.193 ± 0.037	0.198 ± 0.037	0.184 ± 0.032
EPIDIDYMIS RIGHT	MEAN±S.D.	0.124 ± 0.016	0.125 ± 0.012 [21]b	0.122 ± 0.015
TESTIS RIGHT	MEAN±S.D.	0.331 ± 0.043	0.339 ± 0.042 [21]b	0.351 ± 0.037
PROSTATE	MEAN±S.D.	0.172 ± 0.035	0.171 ± 0.043	0.170 ± 0.035

ALL WEIGHTS WERE RECORDED IN GRAMS (G). RATIOS (%) = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rats that were found dead.
b. Excludes values for rats that had abnormal organs (weight affected) or organs damaged (weight affected).

000555

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D13 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
13101		NO ADVERSE FINDINGS
13102		NO ADVERSE FINDINGS
13103		NO ADVERSE FINDINGS
13104		NO ADVERSE FINDINGS
13105	DP(87)	FOUND DEAD
13106	DP(52- 65)	BACK: SCAB (1.0 CM IN DIAMETER)
	DP(66)	SCAB HEALED
13107		NO ADVERSE FINDINGS
13108	DP(81- 89)	EARS: SWOLLEN AND PURPLE a
13109		NO ADVERSE FINDINGS
13110	DP(32- 33)	INCISORS: MISALIGNED
	DP(34)	INCISORS: REALIGNED
	DP(32- 89)	CHROMODACRYORRHEA a
	DP(38- 89)	INCISORS: MISALIGNED a
13111		NO ADVERSE FINDINGS
13112		NO ADVERSE FINDINGS
13113		NO ADVERSE FINDINGS
13114		NO ADVERSE FINDINGS
13115		NO ADVERSE FINDINGS
13116	DP(67- 72)	CHROMORHINORRHEA
	DP(79)	CHROMORHINORRHEA
	DP(86)	FOUND DEAD
13117		NO ADVERSE FINDINGS
13118	DP(68- 76)	INCISORS: MISSING/BROKEN
	DP(77)	INCISORS: GROWN IN
13119		NO ADVERSE FINDINGS
13120		NO ADVERSE FINDINGS
13121		NO ADVERSE FINDINGS
13122	DP(55- 87)	INCISORS: MISALIGNED a
	DP(80- 85)	LOCALIZED ALOPECIA: LIMBS
	DP(86)	ALOPECIA NO LONGER APPARENT
	DP(84- 87)	INCISORS: MISSING/BROKEN a
13123		NO ADVERSE FINDINGS
13124	DP(81)	EYES: DILATED PUPIL
	DP(81)	EXCESS SALIVATION
	DP(81)	GASPING
	DP(81- 82)	RALES
13125		NO ADVERSE FINDINGS

DP = DAY POSTWEANING
a. Observation confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D13 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
13126		NO ADVERSE FINDINGS
13127		NO ADVERSE FINDINGS
13128		NO ADVERSE FINDINGS
13129	DP(43- 46)	INCISORS: MISSING/BROKEN
	DP(47)	INCISORS: GROWN IN
13130		NO ADVERSE FINDINGS
13131	DP(40- 49)	BACK: ABRASION (1.5 CM X 0.5 CM)
	DP(50- 51)	BACK: SCAB (0.5 CM IN DIAMETER)
	DP(52)	SCAB HEALED
	DP(52- 53)	LOCALIZED ALOPECIA: BACK
	DP(54)	ALOPECIA NO LONGER APPARENT
	DP(73- 74)	CHROMORHINORRHEA
	DP(73- 75)	CHROMODACRYORRHEA
	DP(73- 87)	INCISORS: MISSING/BROKEN
	DP(88)	INCISORS: GROWN IN
	DP(80)	CHROMORHINORRHEA
	DP(82- 89)	INCISORS: MISALIGNED a
13132		NO ADVERSE FINDINGS
13133	DP(52- 70)	LOCALIZED ALOPECIA: LIMBS
	DP(71)	ALOPECIA NO LONGER APPARENT
	DP(71- 82)	LOCALIZED ALOPECIA: BACK
	DP(83)	ALOPECIA NO LONGER APPARENT
	DP(80- 89)	LOCALIZED ALOPECIA: LIMBS a
13134		NO ADVERSE FINDINGS
13135		NO ADVERSE FINDINGS
13136		NO ADVERSE FINDINGS
13137		NO ADVERSE FINDINGS
13138	DP(66)	FOUND DEAD
13139		NO ADVERSE FINDINGS
13140		NO ADVERSE FINDINGS

DP = DAY POSTWEANING

a. Observation confirmed at necropsy.

000557

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D13 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
13141	DP(32- 34)	CHROMORHINORRHEA
	DP(32- 36)	SNOUT: SWOLLEN
	DP(37)	SWELLING RESOLVED
	DP(32- 46)	CHROMODACRYORRHEA
	DP(37- 41)	INCISORS: MISSING/BROKEN
	DP(42)	INCISORS: GROWN IN
	DP(51- 64)	INCISORS: MISALIGNED
	DP(65)	INCISORS: REALIGNED
	DP(62)	CHROMODACRYORRHEA
	DP(64- 67)	CHROMODACRYORRHEA
	DP(75- 88)	INCISORS: MISALIGNED a
	DP(85- 88)	INCISORS: MISSING/BROKEN a
13142	DP(51)	CHROMODACRYORRHEA
	DP(51)	CHROMORHINORRHEA
	DP(51)	PERIORAL SUBSTANCE
	DP(51- 53)	SNOUT: SWOLLEN
	DP(54)	SWELLING RESOLVED
	DP(51- 78)	INCISORS: MISALIGNED
	DP(79)	INCISORS: REALIGNED
	DP(81- 88)	INCISORS: MISALIGNED a
13143	DP(19- 22)	URINE-STAINED ABDOMINAL FUR
13144	DP(39- 50)	BACK: ABRASION (1.5 CM X 0.5 CM)
	DP(51)	ABRASION NO LONGER APPARENT
	DP(43)	CHROMORHINORRHEA
	DP(51- 52)	LOCALIZED ALOPECIA: BACK
	DP(53)	ALOPECIA NO LONGER APPARENT
	DP(65)	CHROMORHINORRHEA
	DP(65- 79)	INCISORS: MISSING/BROKEN
	DP(80)	INCISORS: GROWN IN
13145	DP(40- 44)	INCISORS: MISSING/BROKEN
	DP(45)	INCISORS: GROWN IN
13146	DP(21)	SOFT OR LIQUID FECES

DP = DAY POSTWEANING
a. Observation confirmed at necropsy.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D13 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
13147	DP(53)	CHROMODACRYORRHEA
	DP(53- 74)	INCISORS: MISSING/BROKEN
	DP(75)	INCISORS: GROWN IN
	DP(53- 88)	INCISORS: MISALIGNED a
	DP(60- 73)	CHROMODACRYORRHEA
	DP(63- 71)	CORNER OF LEFT EYE: ABRASION
	DP(72)	ABRASION HEALED
	DP(63- 86)	LOCALIZED ALOPECIA: HEAD
	DP(87)	ALOPECIA NO LONGER APPARENT
	DP(78- 88)	CHROMODACRYORRHEA a
13148	DP(29- 58)	LEFT SIDE OF BACK: ABRASION (1.0 CM IN DIAMETER)
	DP(59)	ABRASION HEALED
	DP(29- 58)	RIGHT SIDE OF BACK: ABRASION (1.5 CM X 1.0 CM)
	DP(51- 58)	LEFT SIDE OF BACK: ABRASION (0.5 CM IN DIAMETER)
	DP(59- 64)	BACK: SCAB (0.5 CM IN DIAMETER)
	DP(65)	SCAB HEALED
	DP(59- 64)	RIGHT SIDE OF BACK: SCAB (0.5 CM IN DIAMETER)
	DP(65)	SCAB HEALED
13149	DP(4- 9)	INCISORS: MISSING/BROKEN
	DP(10)	INCISORS: GROWN IN
13150		NO ADVERSE FINDINGS

DP = DAY POSTWEANING
a. Observation confirmed at necropsy.

000559

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D13 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
13151		NO ADVERSE FINDINGS
13152	DP(10- 20)	TAIL: LACERATION (5.0 CM FROM BASE)
13153	DP(62- 91)	INCISORS: MISALIGNED a
13154	DP(52- 67)	RIGHT SIDE OF HEAD: ABRASION (1.5 CM IN DIAMETER)
	DP(68)	ABRASION HEALED
	DP(82)	CHROMORHINORRHEA
13155	DP(54)	CHROMORHINORRHEA
	DP(54)	RED PERIORAL SUBSTANCE
	DP(54- 56)	SNOUT: SWOLLEN
	DP(57)	SWELLING RESOLVED
	DP(54- 91)	CHROMODACRYORRHEA a
	DP(54- 91)	INCISORS: MISALIGNED a
	DP(78- 91)	INCISORS: MISSING/BROKEN a
13156		NO ADVERSE FINDINGS
13157		NO ADVERSE FINDINGS
13158		NO ADVERSE FINDINGS
13159	DP(35- 50)	LEFT FORELIMB: ABRASION
	DP(51)	ABRASION NO LONGER APPARENT
13160	DP(64- 89)	INCISORS: MISALIGNED a
13161		NO ADVERSE FINDINGS
13162		NO ADVERSE FINDINGS
13163		NO ADVERSE FINDINGS
13164		NO ADVERSE FINDINGS
13165		NO ADVERSE FINDINGS
13166		NO ADVERSE FINDINGS
13167		NO ADVERSE FINDINGS
13168		NO ADVERSE FINDINGS
13169		NO ADVERSE FINDINGS
13170		NO ADVERSE FINDINGS
13171	DP(81- 82)	RED SUBSTANCE: PENIS
13171	DP(81- 82)	RED SUBSTANCE: PENIS
	DP(84)	CHROMORHINORRHEA
13172	DP(69- 70)	CHROMORHINORRHEA
	DP(78)	CHROMORHINORRHEA
13173		NO ADVERSE FINDINGS
13174	DP(68- 70)	INCISORS: MISSING/BROKEN
	DP(71)	INCISORS: GROWN IN
13175		NO ADVERSE FINDINGS

DP = DAY POSTWEANING
a. Observation confirmed at necropsy.

000560

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY							
13101	59.	105.	158.	216.	270.	323.	360.	396.	435.	458.	478.	501.
13102	42.	84.	143.	209.	274.	316.	365.	395.	430.	449.	473.	488.
13103	55.	100.	153.	216.	276.	325.	367.	398.	433.	455.	489.	515.
13104	54.	102.	168.	232.	303.	349.	393.	437.	459.	486.	509.	526.
13105	54.	110.	173.	240.	310.	367.	416.	453.	474.	504.	524.	541.
13106	53.	106.	166.	236.	308.	350.	400.	441.	457.	486.	506.	526.
13107	56.	108.	167.	233.	289.	356.	405.	444.	475.	500.	532.	551.
13108	60.	110.	170.	232.	295.	346.	401.	434.	470.	472.	512.	528.
13109	62.	110.	170.	234.	285.	345.	390.	426.	459.	490.	523.	521.
13110	55.	103.	156.	224.	292.	306.	356.	387.	422.	460.	478.	492.
13111	59.	109.	174.	244.	311.	374.	417.	455.	495.	519.	541.	554.
13112	55.	106.	169.	234.	296.	355.	388.	430.	454.	473.	505.	511.
13113	54.	101.	154.	210.	272.	318.	364.	410.	430.	469.	511.	512.
13114	64.	121.	185.	250.	310.	366.	409.	444.	464.	490.	510.	520.
13115	51.	97.	154.	218.	272.	330.	358.	390.	401.	419.	428.	434.
13116	52.	89.	143.	203.	254.	307.	336.	370.	399.	422.	434.	435.
13117	46.	91.	164.	213.	272.	330.	373.	421.	443.	472.	487.	506.
13118	50.	94.	147.	201.	258.	308.	336.	376.	398.	420.	430.	448.
13119	48.	93.	168.	217.	281.	339.	380.	432.	473.	505.	537.	556.
13120	48.	92.	159.	214.	279.	338.	396.	440.	481.	500.	539.	554.
13121	53.	95.	145.	207.	259.	311.	345.	388.	415.	433.	449.	457.
13122	62.	120.	182.	247.	315.	374.	414.	461.	474.	484.	518.	519.
13123	62.	118.	190.	261.	329.	401.	459.	512.	541.	579.	607.	607.
13124	51.	90.	145.	201.	255.	309.	347.	382.	410.	428.	448.	452.
13125	44.	87.	143.	200.	261.	312.	353.	391.	417.	433.	453.	461.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.

000561

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 78	85
RAT #	DOSAGE GROUP I	0 (VEHICLE) MG/KG/DAY
13101	496.	513.
13102	477.	503.
13103	513.	535.
13104	525.	544.
13105	541.	569.
13106	539.	555.
13107	552.	567.
13108	541.	548.
13109	533.	538.
13110	509.	512.
13111	563.	579.
13112	523.	532.
13113	506.	516.
13114	538.	562.
13115	436.	444.
13116	445.	454.
13117	515.	528.
13118	445.	456.
13119	556.	577.
13120	558.	587.
13121	468.	485.
13122	530.	554.
13123	617.	640.
13124	469.	434.
13125	477.	500.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000562

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY								
13126	44.	89.	143.	202.	264.	308.	344.	375.	401.	423.	443.	454.
13127	54.	105.	165.	229.	296.	342.	387.	419.	446.	471.	494.	510.
13128	48.	93.	149.	212.	264.	317.	362.	382.	399.	410.	435.	445.
13129	36.	75.	124.	187.	237.	295.	338.	356.	365.	385.	412.	421.
13130	54.	97.	152.	221.	283.	347.	405.	441.	473.	512.	542.	557.
13131	55.	100.	162.	227.	289.	347.	400.	445.	431.	508.	546.	542.
13132	56.	103.	155.	216.	270.	323.	361.	401.	448.	460.	501.	513.
13133	54.	99.	156.	220.	277.	336.	382.	418.	471.	472.	502.	509
13134	52.	100.	160.	229.	297.	356.	403.	444.	457.	509.	536.	556.
13135	50.	96.	155.	223.	286.	338.	384.	424.	441.	489.	517.	528.
13136	50.	92.	150.	218.	274.	328.	369.	410.	422.	463.	490.	505.
13137	61.	104.	156.	210.	270.	327.	370.	398.	478.	445.	467.	478.
13138	52.	100.	161.	224.	281.	334.	390.	450.	469.	498.	b	b
13139	56.	109.	170.	240.	300.	354.	401.	440.	398.	496.	510.	529.
13140	46.	84.	139.	197.	256.	314.	348.	374.	396.	417.	439.	450.
13141	49.	89.	144.	206.	260.	283.	335.	385.	410.	417.	440.	451.
13142	51.	100.	163.	228.	296.	366.	409.	416.	456.	494.	523.	546.
13143	47.	94.	146.	202.	260.	328.	373.	415.	446.	478.	508.	521.
13144	52.	100.	169.	244.	304.	354.	378.	417.	411.	436.	430.	440.
13145	58.	106.	160.	221.	276.	330.	373.	404.	437.	460.	477.	490.
13146	54.	99.	152.	214.	273.	329.	374.	417.	448.	475.	504.	520.
13147	56.	102.	157.	216.	276.	335.	370.	407.	443.	461.	474.	480.
13148	59.	113.	176.	236.	301.	352.	390.	429.	453.	494.	522.	530.
13149	56.	106.	174.	241.	305.	370.	409.	442.	471.	487.	499.	511.
13150	52.	100.	166.	228.	289.	354.	392.	441.	454.	468.	493.	495.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.
b. Rat 13138 was found dead on day 66 postweaning.

000563

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 78	85
RAT #	DOSAGE GROUP II	0.1 MG/KG/DAY
13126	442.	463.
13127	504.	523.
13128	439.	459.
13129	428.	451.
13130	568.	592.
13131	536.	571.
13132	511.	535.
13133	516.	532.
13134	549.	575.
13135	527.	559.
13136	501.	524.
13137	473.	493.
13138	FOUND DEAD ON DAY 66 POSTWEANING	
13139	539.	556.
13140	448.	460.
13141	461.	487.
13142	552.	573.
13143	520.	542.
13144	435.	466.
13145	494.	505.
13146	520.	542.
13147	489.	503.
13148	533.	557.
13149	510.	542.
13150	512.	529.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 5): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY							
13151	53.	99.	155.	211.	279.	330.	382.	418.	448.	465.	498.	510.
13152	51.	104.	160.	223.	283.	337.	373.	405.	439.	464.	495.	513.
13153	51.	101.	168.	238.	305.	356.	408.	446.	477.	488.	514.	533.
13154	50.	103.	167.	228.	291.	338.	380.	411.	440.	461.	485.	500.
13155	55.	99.	151.	210.	263.	316.	358.	402.	412.	436.	449.	472.
13156	52.	94.	148.	206.	260.	308.	342.	373.	398.	412.	437.	451.
13157	57.	106.	164.	235.	316.	374.	430.	478.	517.	554.	582.	610.
13158	48.b	91.	145.	210.	269.	323.	375.	410.	435.	461.	483.	501.
13159	43.b	81.	134.	190.	253.	306.	358.	391.	425.	455.	482.	501.
13160	51.	97.	158.	217.	280.	334.	382.	429.	462.	492.	520.	533.
13161	54.	96.	152.	206.	253.	306.	334.	359.	375.	395.	403.	404.
13162	47.	95.	159.	233.	305.	372.	410.	453.	479.	511.	516.	521.
13163	50.	99.	162.	226.	286.	344.	389.	412.	447.	471.	489.	498.
13164	47.	86.	133.	189.	244.	302.	332.	362.	380.	395.	417.	426.
13165	51.	103.	159.	220.	276.	325.	365.	420.	453.	477.	501.	507.
13166	49.	92.	152.	209.	262.	320.	368.	406.	434.	460.	493.	501.
13167	48.	91.	145.	211.	274.	333.	380.	411.	437.	460.	485.	498.
13168	46.	95.	152.	219.	275.	335.	377.	418.	438.	462.	489.	492.
13169	55.	98.	154.	212.	267.	326.	357.	403.	424.	446.	471.	477.
13170	49.	94.	152.	211.	281.	344.	386.	436.	459.	505.	524.	552.
13171	47.	90.	148.	205.	266.	316.	348.	380.	404.	421.	445.	452.
13172	62.	112.	172.	232.	298.	349.	384.	424.	443.	524.	486.	488.
13173	59.	115.	184.	257.	326.	386.	412.	470.	503.	525.	568.	575.
13174	44.	92.	154.	221.	275.	335.	380.	411.	440.	463.	484.	493.
13175	40.	77.	134.	197.	244.	295.	322.	336.	352.	362.	370.	362.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.

b. Body weight was recorded on day 2 postweaning and was excluded from group averages and statistical analyses.

000565

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D14 (PAGE 6): BODY WEIGHTS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAY 78	85
RAT #	DOSAGE GROUP III	0.4 MG/KG/DAY
13151	500.	524.
13152	504.	533.
13153	524.	546.
13154	497.	501.
13155	464.	477.
13156	446.	464.
13157	603.	627.
13158	496.	506.
13159	503.	520.
13160	538.	544.
13161	415.	424.
13162	534.	549.
13163	498.	533.
13164	421.	438.
13165	501.	519.
13166	504.	520.
13167	495.	520.
13168	491.	515.
13169	485.	502.
13170	549.	582.
13171	453.	465.
13172	485.	509.
13173	571.	596.
13174	510.	510.
13175	388.	

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000566

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D15 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 - 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY					
13101	103.	145.	166.	176.	192.	189.	200.	210.	200.
13102	75.	134.	170.	197.	205.	201.	194.	213.	197.
13103	113.	147.	181.	194.	205.	202.	b	233.	217.
13104	102.	157.	192.	205.	226.	218.	227.	236.	216.
13105	121.	180.	215.	227.	246.	233.	248.	255.	241.
13106	106.	164.	212.	217.	228.	221.	228.	231.	220.
13107	118.	164.	187.	201.	232.	231.	224.	230.	b
13108	110.	155.	185.	197.	207.	217.	228.	232.	168.
13109	105.	147.	b	198.	211.	219.	219.	228.	225.
13110	96.	144.	179.	215.	157.	204.	192.	214.	226.
13111	100.	163.	194.	218.	215.	226.	230.	224.	234.
13112	80.	157.	197.	218.	233.	253.	239.	235.	220.
13113	105.	148.	170.	192.	198.	209.	232.	216.	234.
13114	114.	160.	185.	209.	213.	241.	236.	223.	219.
13115	102.	145.	171.	194.	199.	218.	203.	191.	183.
13116	91.	132.	160.	180.	188.	216.	214.	206.	199.
13117	103.	151.	169.	192.	194.	250.	252.	227.	225.
13118	101.	145.	161.	179.	177.	209.	200.	182.	185.
13119	100.	148.	181.	203.	215.	248.	250.	239.	225.
13120	100.	145.	178.	195.	207.	252.	247.	236.	238.
13121	101.	142.	168.	188.	188.	217.	222.	222.	208.
13122	116.	159.	202.	227.	252.	250.	264.	225.	b
13123	113.	163.	203.	221.	262.	269.	281.	281.	b
13124	102.	152.	179.	203.	251.	223.	184.	231.	206.
13125	100.	159.	176.	202.	209.	221.	232.	244.	211.

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000567

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D15 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 - 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY					
13126	89.	134.	163.	190.	194.	195.	199.	194.	192.
13127	98.	157.	190.	209.	219.	215.	223.	219.	210.
13128	92.	141.	175.	191.	213.	208.	196.	203.	192.
13129	81.	141.	172.	185.	207.	203.	195.	192.	184.
13130	94.	153.	186.	205.	219.	226.	227.	231.	233.
13131	94.	151.	184.	205.	208.	220.	223.	214.	218.
13132	112.	145.	170.	186.	189.	205.	209.	204.	202.
13133	99.	151.	182.	214.	222.	232.	225.	226.	219.
13134	106.	149.	180.	215.	219.	227.	237.	229.	235.
13135	93.	146.	180.	212.	216.	219.	235.	237.	236.
13136	95.	139.	175.	204.	201.	201.	211.	211.	205.
13137	76.	204.	167.	193.	207.	210.	221.	211.	202.
13138	101.	169.	186.	214.	215.	246.	260.	253.	250.
13139	91.	163.	197.	218.	234.	239.	242.	236.	235.
13140	93.	146.	177.	200.	205.	249.	226.	227.	200.
13141	92.	140.	158.	189.	149.	218.	252.	203.	203.
13142	98.	190.	191.	217.	279.	284.	302.	222.	101.
13143	99.	146.	175.	197.	206.	248.	260.	247.	236.
13144	105.	165.	202.	224.	209.	250.	b	225.	210.
13145	104.	153.	185.	203.	196.	220.	223.	229.	212.
13146	104.	163.	185.	199.	194.	221.	247.	234.	234.
13147	100.	165.	182.	207.	216.	237.	238.	232.	221.
13148	104.	158.	178.	196.	194.	250.	228.	230.	235.
13149	120.	165.	195.	219.	222.	240.	229.	224.	215.
13150	84.	144.	181.	214.	219.	237.	235.	224.	209.

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000568

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D15 (PAGE 3): FEED CONSUMPTION VALUES INDIVIDUAL DATA - F1 GENERATION MALE RATS

	DAYS 1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 - 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY					
13151	88.	138.	165.	187.	195.	212.	275.	223.	215.
13152	95.	142.	178.	196.	206.	207.	191.	209.	212.
13153	102.	158.	198.	217.	221.	224.	218.	219.	201.
13154	108.	155.	189.	204.	214.	209.	223.	215.	216.
13155	103.	141.	168.	177.	197.	197.	213.	189.	200.
13156	99.	142.	170.	186.	207.	191.	191.	197.	187.
13157	99.	145.	183.	219.	233.	244.	250.	256.	252.
13158	90.	130.	169.	183.	208.	214.	220.	226.	208.
13159	81.	127.	165.	178.	202.	209.	207.	224.	216.
13160	81.	144.	172.	200.	222.	235.	235.	238.	244.
13161	90.	141.	160.	177.	185.	189.	180.	175.	179.
13162	85.	150.	200.	230.	248.	241.	236.	233.	236.
13163	100.	174.	189.	215.	215.	252.	204.	239.	227.
13164	94.	136.	167.	184.	178.	208.	197.	188.	180.
13165	19.	157.	169.	198.	193.	231.	235.	239.	234.
13166	95.	146.	163.	187.	199.	223.	229.	217.	214.
13167	98.	144.	172.	191.	200.	209.	212.	220.	210.
13168	92.	183.	184.	203.	209.	224.	227.	220.	207.
13169	94.	160.	172.	194.	199.	236.	234.	226.	218.
13170	106.	158.	185.	212.	219.	242.	239.	237.	255.
13171	88.	59.	189.	209.	209.	247.	226.	223.	210.
13172	107.	169.	186.	212.	218.	219.	228.	217.	206.
13173	150.	164.	202.	235.	243.	228.	239.	263.	262.
13174	103.	151.	179.	205.	212.	247.	242.	238.	229.
13175	89.	138.	177.	185.	203.	210.	197.	180.	185.

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.

000569

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D16 (PAGE 1): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP	I		II		III	
DOSAGE (MG/KG/DAY)	0 (VEHICLE)		0.1		0.4	
	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)	RAT #	PREPUTIAL SEPARATION (DAY)
	13101	47	13126	44	13151	47
	13102	42	13127	44	13152	43
	13103	43	13128	46	13153	46
	13104	45	13129	52	13154	43
	13105	50	13130	46	13155	47
	13106	46	13131	44	13156	46
	13107	44	13132	42	13157	48
	13108	45	13133	45	13158	45
	13109	47	13134	46	13159	46
	13110	45	13135	46	13160	46
	13111	44	13136	45	13161	47
	13112	44	13137	46	13162	45
	13113	46	13138	45	13163	41
	13114	40	13139	45	13164	44
	13115	43	13140	46	13165	44
	13116	44	13141	46	13166	46
	13117	46	13142	44	13167	44
	13118	46	13143	52	13168	42
	13119	44	13144	45	13169	43
	13120	46	13145	46	13170	48
	13121	44	13146	48	13171	46
	13122	45	13147	45	13172	44
	13123	43	13148	42	13173	44
	13124	47	13149	46	13174	45
	13125	48	13150	46	13175	47

DAY = DAY POSTPARTUM

000570

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D17 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13101	6	8	10	15	25
13102	5	15	18	3	15
13103	4	12	26	3	46
13104	5	7	16	3	34
13106	4	12	13	3	12
13107	5	16	6	3	45
13108	5	4	8	3	6
13109	6	9	38	3	18
13110	3	22	60	2	60
13111	4	8	28	4	60
13112	4	2	20	3	19
13113	5	10	4	3	27
13114	6	1	6	2	60
13115	4	7	21	3	8
13116	4	5	28	2	60
13117	6	8	11	2	60
13118	4	7	32	2	60
13120	5	5	23	2	60
13121	5	5	7	3	7
13122	6	6	14	3	48
13123	4	11	36	3	2
13124	3	17	60	3	12
13125	7	7	7	3	10

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

000571

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D17 (PAGE 2): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13126	4	3	15	4	6
13127	4	6	17	5	11
13128	4	9	17	3c	60
13129	7	14	3	4	13
13130	6	6	16	2	60
13131	9	15	3	4	60
13132	8	2	9	3	11
13133d	15	12	6	8	25
13134	3	16	60	3	27
13135	5	14	11	13	13
13136	5	7	21	4	60
13137	10	1	1	3	13
13138	4	2	4	3	7
13139	5	2	5	2	60
13140	4	13	56	3	4
13141	5	4	42	3	15
13142	12	5	2	3	24
13143	4	6	19	3	12
13144	7	5	4	2	60
13145	7	4	14	2	60
13146	3	13	60	6	19
13147	5	14	60	3	7
13148	5	4	8	3	8
13149	8	9	22	2	60
13150	4	9	28	3	7

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. Maximum interval elapsed after the rat had entered the dark compartment. Shock was delivered and the trial was not counted towards the criterion.

d. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) were excluded from group averages and statistical analyses.

000572

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D17 (PAGE 3): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13151	4	18	56	3	19
13152	5	6	10	15	12
13153	5	15	5	3	17
13154	4	8	10	3	42
13156	5	14	60	3	43
13157	4	6	30	3	19
13158	4	21	16	3	24
13160	5	9	3	2	60
13161	4	7	26	2	60
13162	7	5	3	2	60
13163	7	1	5	3	13
13164	6	8	24	2	60
13165	6	2	13	2	60
13166	6	15	13	3	8
13168	4	14	12	4	60
13169	6	5	52	3	25
13170	4	8	13	5	9
13171	4	10	55	3	4
13172	4	9	10	3	14
13173	3	25	60	3	54
13174	4	13	45	4	60
13175	4	13	4	3	5

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

000573

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D18 (PAGE 1): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
13101	7	0.28	13	5	0.00	11
13102	6	0.17	9	12	0.33	6
13103	7	0.43	19	5	0.00	6
13104	15	0.27	11	5	0.00	6
13106	7	0.28	14	5	0.00	9
13107	8	0.25	5	5	0.00	5
13108	11	0.18	13	5	0.00	5
13109	14	0.50	15	15	0.33	13
13110	10	0.20	6	7	0.14	12
13111	7	0.43	11	5	0.00	5
13112	10	0.20	7	5	0.00	6
13113	7	0.71	38	6	0.17	16
13114	12	0.42	10	5	0.00	11
13115	8	0.62	8	9	0.33	13
13116	7	0.57	18	5	0.00	8
13117	6	0.17	5	5	0.00	5
13118	12	0.50	22	6	0.83	42
13120	6	0.50	6	5	0.00	6
13121	9	0.44	11	9	0.22	7
13122	13	0.46	5	5	0.00	7
13123	6	0.17	6	7	0.14	9
13124	6	0.17	8	5	0.00	5
13125	15	0.53	9	6	0.33	24

SESSION = TEST SESSION
a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.

000574

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D18 (PAGE 2): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
13126	6	0.17	8	5	0.00	10
13127	10	0.50	48	5	0.00	7
13128	9	0.22	7	9	0.11	4
13129c	15	0.60	7	6	0.17	26
13130	10	0.80	9	5	0.00	4
13131	7	0.28	12	5	0.00	5
13132	8	0.25	7	10	0.10	7
13133	6	0.17	6	5	0.00	6
13134	9	0.22	5	9	0.22	7
13135	15	0.80	10	5	0.00	5
13136	13	0.85	60	5	0.00	9
13137	6	0.17	9	5	0.00	6
13138c	15	0.93	13	9	0.22	19
13139	8	0.25	6	10	0.30	32
13140	12	0.50	16	5	0.00	10
13141	8	0.25	8	5	0.00	15
13142	12	0.25	7	8	0.25	7
13143	10	0.30	7	6	0.17	21
13144	7	0.28	13	7	0.14	10
13145	6	0.17	7	5	0.00	5
13146	10	0.70	39	6	0.17	11
13147	9	0.33	13	5	0.00	4
13148	6	0.17	8	5	0.00	5
13149	12	0.50	7	10	0.30	6
13150	7	0.28	10	6	0.17	14

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) excluded from group averages and statistical analyses.

000575

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D18 (PAGE 3): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
13151	10	0.50	17	6	0.17	12
13152	6	0.17	5	7	0.28	8
13153	7	0.71	31	5	0.00	10
13154	6	0.33	14	7	0.28	15
13156	13	0.31	6	5	0.00	7
13157	9	0.56	7	5	0.00	5
13158	7	0.28	11	6	0.50	32
13160	6	0.17	4	5	0.00	9
13161	14	0.64	10	8	0.38	10
13162	11	0.45	11	5	0.00	11
13163	6	0.67	6	5	0.00	8
13164	9	0.56	9	5	0.00	10
13165	8	1.12	11	6	0.17	23
13166	15	0.40	10	5	0.00	10
13168	14	0.28	5	5	0.00	6
13169	7	0.28	15	5	0.00	5
13170	6	0.33	8	6	0.17	19
13171	8	0.25	4	5	0.00	6
13172	12	0.42	12	5	0.00	5
13173	7	0.28	15	5	0.00	8
13174	9	0.33	12	5	0.00	5

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

975000

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D19 (PAGE 1): MATING AND FERTILITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
13101	3	M	C	P(13202)
13102	4	M	C	P(13225)
13103	3	M	C	P(13201)
13104	3	M	C	P(13213)
13105	7	DID NOT MATE	-	-(13217)
13106	1	M	C	P(13208)
13107	4	M	C	NP(13209)
13108a	2	M	C	P(13218)
13108b	2	M	C	P(13220)
13109	4	M	C	P(13210)
13110a	2	M	C	P(13216)
13110b	7	M	C	P(13223)
13111c				
13112a	2	M	C	P(13211)
13112b	1	M	C	P(13217)
13113	7	M	C	P(13224)
13114	1	M	C	P(13207)
13115	4	M	C	P(13214)
13116	1	M	C	P(13204)
13117	7	DID NOT MATE	-	-(13223)
13118	1	M	C	P(13212)
13119	7	DID NOT MATE	-	-(13220)
13120	1	M	C	P(13206)
13121c				
13122	1	M	C	P(13219)
13123	4	M	C	P(13203)
13124	2	M	C	P(13215)
13125	2	M	C	P(13222)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED
P = PREGNANT NP = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.
c. Rat was not assigned to cohabitation because there were no available female rats.

000577

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D19 (PAGE 2): MATING AND FERTILITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
13126a	1	M	C	P(13239)
13126b	6	DID NOT MATE	-	-(13228)
13126c	7	DID NOT MATE	-	-(13245)
13127a	5	M	C	P(13229)
13127b	1	M	C	P(13234)
13128	2	M	C	P(13242)
13129	1	M	C	P(13241)
13130	3	M	C	P(13249)
13131	7	DID NOT MATE	-	-(13234)
13132	7	M	C	P(13237)
13133a	2	M	C	P(13226)
13133b	1	M	C	NP(13228)
13134	3	M	C	P(13238)
13135	2	M	C	P(13250)
13136	7	DID NOT MATE	-	-(13245)
13137	5	M	C	P(13227)
13138d				
13139	6	M	C	P(13230)
13140	3	M	C	NP(13243)
13141	2	M	C	P(13233)
13142	2	M	C	NP(13244)
13143	3	M	C	P(13246)
13144	5	M	C	P(13232)
13145	3	M	C	P(13247)
13146	3	M	C	P(13240)
13147	4	M	C	P(13231)
13148	1	M	C	P(13235)
13149	3	M	C	P(13248)
13150	3	M	C	P(13236)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED
P = PREGNANT NP = NOT PREGNANT
a. Result of first cohabitation period.
b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.
c. Male rat mated early in the first cohabitation period and was cohabited with a third female rat.
d. Rat 13138 was found dead day 66 postweaning.

000578

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D19 (PAGE 3): MATING AND FERTILITY - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
13151	3	M	C	P(13257)
13152	1	M	C	P(13251)
13153	1	M	C	P(13256)
13154	4	M	C	P(13270)
13155	2	M	C	P(13273)
13156	1	M	C	P(13262)
13157	3	M	C	P(13266)
13158	4	M	C	P(13264)
13159	2	M	C	P(13263)
13160	1	M	C	P(13265)
13161	2	M	C	P(13268)
13162	1	M	C	P(13261)
13163	2	M	C	P(13259)
13164	2	M	C	P(13275)
13165	7	M	C	P(13253)
13166	4	M	C	P(13252)
13167	1	M	C	NP(13274)
13168	5	M	C	P(13254)
13169	3	M	C	P(13260)
13170	2	M	C	P(13271)
13171	4	M	C	P(13269)
13172	2	M	C	P(13255)
13173	4	M	C	P(13267)
13174	3	M	C	P(13272)
13175	1	M	C	P(13258)

M = MATED ( ) = FEMALE RAT NUMBER
C = CONFIRMED
P = PREGNANT NP = NOT PREGNANT

00579

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D20 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
I				
0 (VEHICLE)	13101	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13102	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13103	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13104	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13105	DP 87	87	FOUND DEAD ON DAY 87 POSTWEANING (ONE HOUR AND 11 MINUTES AFTER DOSAGE). LUNGS: ALL LOBES, DARK RED. ALL OTHER TISSUES APPEARED NORMAL.
	13106	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13107	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13108	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13109	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13110	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13111	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13112	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13113	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13114	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13115	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13116	DP 86	85	FOUND DEAD ON DAY 86 POSTWEANING (DEATH OCCURRED OVERNIGHT) THORACIC CAVITY: DARK RED CLOTTED MATERIAL. EXTERNAL OBSERVATIONS: RED PERINASAL SUBSTANCE. ALL OTHER TISSUES APPEARED NORMAL.
	13117	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13118	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13119	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13120	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13121	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13122	DP 87	86	ALL TISSUES APPEARED NORMAL.
	13123	DP 86	85	ALL TISSUES APPEARED NORMAL.
	13124	DP 85	84	ALL TISSUES APPEARED NORMAL.
	13125	DP 85	84	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D20 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
II 0.1	13126	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13127	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13128	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13129	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13130	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13131	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13132	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13133	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13134	DP 89	88	TESTES: BILATERAL, PURPLE AND FLACCID. EPIDIDYMIDES: BILATERAL, FLACCID; LEFT, SMALL. KIDNEYS: RIGHT, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL.
	13135	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13136	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13137	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13138	DP 66	65	FOUND DEAD ON DAY 66 POSTWEANING (DEATH OCCURRED OVERNIGHT). ALL TISSUES APPEARED NORMAL.
	13139	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13140	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13141	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13142	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13143	DP 88	87	KIDNEYS: LEFT, PELVIS, SLIGHT DILATION AND SIX CALCULI (PINPOINT TO 0.2 CM IN DIAMETER). URETERS: LEFT, DILATED. URINARY BLADDER: WALLS, THICKENED AND NUMEROUS CALCULI (PINPOINT TO 0.1 CM IN DIAMETER). ALL OTHER TISSUES APPEARED NORMAL.
	13144	DP 88	87	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.

000581

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D20 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
II (Cont.)				
0.1	13145	DP 88	87	TESTES: RIGHT, FLACCID. EPIDIDYMIDES: RIGHT, SMALL AND FLACCID. ALL OTHER TISSUES APPEARED NORMAL.
	13146	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13147	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13148	DP 88	87	TESTES: RIGHT, FLACCID. EPIDIDYMIDES: RIGHT, FLACCID. ALL OTHER TISSUES APPEARED NORMAL.
	13149	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13150	DP 87	86	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D20 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSAGES ADMINISTERED	OBSERVATIONS a
III 0.4	13151	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13152	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13153	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13154	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13155	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13156	DP 91	90	ALL TISSUES APPEARED NORMAL.
	13157	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13158	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13159	DP 90	89	ALL TISSUES APPEARED NORMAL.
	13160	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13161	DP 89	88	ALL TISSUES APPEARED NORMAL.
	13162	DP 89	88	ABDOMINAL ADIPOSE TISSUE: RED WITH FIRM AREAS. ALL OTHER TISSUES APPEARED NORMAL.
	13163	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13164	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13165	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13166	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13167	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13168	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13169	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13170	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13171	DP 88	87	ALL TISSUES APPEARED NORMAL.
	13172	DP 87	86	ALL TISSUES APPEARED NORMAL.
	13173	DP 87	86	KIDNEYS: BILATERAL, LARGE (LEFT = 4.94 G; RIGHT = 4.36 G), PARENCHYMA, NUMEROUS FLUID-FILLED CYSTS. ALL OTHER TISSUES APPEARED NORMAL.
	13174	DP 87	86	ALL TISSUES APPEARED NORMAL.
	13175	DP 79	78	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING

a. Refer to the individual clinical observations table (Table D13) for external observations confirmed at necropsy.

000583

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY											
13101	553.	0.68	0.12	2.03	0.37	1.76	0.32	1.11	0.20	0.77	0.14	2.09	0.38
13102	517.	0.74	0.14	1.79	0.35	2.09	0.40	1.41	0.27	0.74	0.14	1.85	0.36
13103	552.	0.61	0.11	1.76	0.32	1.44	0.26	1.17	0.21	0.60	0.11	1.72	0.31
13104	562.	0.70	0.12	1.82	0.32	1.79	0.32	1.13	0.20	0.70	0.12	1.82	0.32
13105a	574.	0.67	----	1.64	----	1.85	----	0.59	----	0.70	----	1.68	----
13106	568.	0.62	0.11	1.77	0.31	1.48	0.26	0.93	0.16	0.67	0.12	1.76	0.31
13107	596.	0.59	0.10	1.72	0.29	2.21	0.37	1.29	0.22	0.59	0.10	1.74	0.29
13108	561.	0.54	0.10	1.54	0.27	1.53	0.27	0.93	0.16	0.59	0.10	1.53	0.27
13109	548.	0.72	0.13	1.75	0.32	2.19	0.40	1.34	0.24	0.60	0.11	1.69	0.31
13110	527.	0.68	0.13	1.63	0.31	1.03	0.20	0.89	0.17	0.59	0.11	1.68	0.32
13111	584.	0.77	0.13	2.23	0.38	1.81	0.31	1.03	0.18	0.76	0.13	2.31	0.40
13112	534.	0.52	0.10	1.63	0.30	1.23	0.23	0.81	0.15	0.69	0.13	1.69	0.32
13113	523.	0.84b	0.16	2.10	0.40	1.96	0.37	0.89	0.17	0.71	0.14	2.07	0.40
13114	570.	0.68	0.12	1.79	0.31	2.35	0.41	1.15	0.20	0.71	0.12	1.83	0.32
13115	448.	0.70	0.16	1.81	0.40	1.72	0.38	0.89	0.20	0.62	0.14	1.81	0.40
13116c	456.	0.67	----	1.62	----	1.90	----	0.56	----	0.67	----	1.68	----
13117	532.	0.66	0.12	1.75	0.33	1.73	0.32	0.99	0.19	0.60	0.11	1.77	0.33
13118	468.	0.66	0.14	1.70	0.36	1.97	0.42	0.96	0.20	0.64	0.14	1.67	0.36
13119	592.	0.63	0.11	1.73	0.29	1.72	0.29	1.11	0.19	0.71	0.12	1.67	0.28
13120	598.	0.71	0.12	1.67	0.28	1.38	0.23	0.85	0.14	0.70	0.12	1.77	0.30
13121	488.	0.60	0.12	1.71	0.35	1.92	0.39	1.07	0.22	0.67	0.14	1.73	0.35
13122	560.	0.62	0.11	1.55	0.28	1.40	0.25	0.91	0.16	0.62	0.11	1.54	0.28
13123	651.	0.74	0.11	1.77	0.27	1.88	0.29	0.91	0.14	0.73	0.11	1.68	0.26
13124	434.	0.61	0.14	1.64	0.38	1.75	0.40	1.22	0.28	0.67	0.15	1.62	0.37
13125	500.	0.70	0.14	1.85	0.37	1.97	0.39	0.89	0.18	0.73	0.15	1.91	0.38

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Rat 13105 was found dead day 87 postweaning; values excluded from group averages and statistical analyses.

b. Damaged during processing (weight not affected).

c. Rat 13116 was found dead day 86 postweaning; values excluded from group averages and statistical analyses.

000584

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY	
13101	553.	1.11	0.20
13102	517.	0.71	0.14
13103	552.	0.55	0.10
13104	562.	1.04	0.18
13105a	574.	1.42	----
13106	568.	0.90	0.16
13107	596.	0.96	0.16
13108	561.	1.02	0.18
13109	548.	0.55	0.10
13110	527.	0.75	0.14
13111	584.	1.15	0.20
13112	534.	0.78	0.15
13113	523.	0.94	0.18
13114	570.	1.09	0.19
13115	448.	0.72	0.16
13116b	456.	0.99	----
13117	532.	0.73	0.14
13118	468.	1.05	0.22
13119	592.	0.93	0.16
13120	598.	1.11	0.18
13121	488.	0.90	0.18
13122	560.	0.93	0.17
13123	651.	1.29	0.20
13124	434.	1.01	0.23
13125	500.	1.13	0.23

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 13105 was found dead day 87 postweaning; values excluded from group averages and statistical analyses.
b. Rat 13116 was found dead day 86 postweaning; values excluded from group averages and statistical analyses.

000585

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 3): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY											
13126	470.	0.59	0.12	1.74	0.37	1.64	0.35	0.91	0.19	0.65	0.14	1.81	0.38
13127	531.	0.57	0.11	1.88	0.35	1.70	0.32	1.04	0.20	0.61	0.11	1.87	0.35
13128	474.	0.64	0.14	1.72	0.36	2.05	0.43	1.26	0.26	0.62	0.13	1.76	0.37
13129	459.	0.64	0.14	1.77	0.38	1.74	0.38	1.13	0.25	0.65	0.14	1.76	0.38
13130	605.	0.60	0.10	1.64	0.27	1.61	0.27	1.04	0.17	0.63	0.10	1.60	0.26
13131	589.	0.67	0.11	1.74	0.30	1.07	0.18	0.68	0.12	0.63	0.11	1.73	0.29
13132	548.	0.63	0.11	1.77	0.32	1.40	0.26	0.81	0.15	0.64	0.12	1.76	0.32
13133	547.	0.59	0.11	1.60	0.29	1.66	0.30	1.11	0.20	0.63	0.12	1.84	0.34
13134	588.	0.30a	0.05a	0.98a	0.17a	1.85	0.31	1.08	0.18	0.49a	0.08a	1.04a	0.18a
13135	570.	0.60	0.10	1.66	0.29	1.88	0.33	1.40	0.24	0.55	0.10	1.61	0.28
13136	527.	0.70	0.13	1.78	0.34	2.06	0.39	1.28	0.24	0.68	0.13	1.84	0.35
13137	501.	0.69	0.14	1.99	0.40	1.75	0.35	0.97	0.19	0.70	0.14	1.95	0.39
13138b	502.	0.57	----	1.40	----	0.86	----	0.44	----	0.59	----	1.46	----
13139	571.	0.68	0.12	1.83	0.32	2.15	0.38	1.12	0.20	0.75	0.13	1.91	0.33
13140	465.	0.56	0.12	1.66	0.36	1.77	0.38	1.13	0.24	0.58	0.12	1.68	0.36
13141	490.	0.64	0.13	1.98	0.40	1.72	0.35	1.01	0.21	0.65	0.13	1.88	0.38
13142	584.	0.74	0.13	1.80	0.31	1.90	0.32	1.12	0.19	0.70	0.12	1.77	0.30
13143	560.	0.65	0.12	1.70	0.30	1.86c	0.33	1.26	0.22	0.70	0.12	1.63	0.29
13144	480.	0.70	0.14	1.91	0.40	1.74	0.36	0.81	0.17	0.64	0.13	1.85	0.38
13145	512.	0.60	0.12	1.99	0.39	1.22c	0.24	0.92	0.18	0.39d	0.08d	1.17d	0.23d
13146	550.	0.65	0.12	1.91	0.35	1.54	0.28	1.12	0.20	0.72	0.13	1.93	0.35
13147	517.	0.69	0.13	1.46	0.28	1.67	0.32	1.10	0.21	0.72	0.14	1.60	0.31
13148	569.	0.79	0.14	2.03	0.36	1.64e	0.29	1.11	0.20	0.49f	0.09f	1.32f	0.23f
13149	544.	0.57	0.10	1.71	0.31	1.41	0.26	0.61	0.11	0.64	0.12	1.62	0.30
13150	540.	0.71	0.13	2.20	0.41	1.86	0.34	1.20	0.22	0.74	0.14	2.21	0.41

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

a. Rat 13134 had a small and flaccid left epididymis, a flaccid right epididymis and purple and flaccid testes; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table D20).
b. Rat 13138 was found dead day 66 postweaning; values excluded from group averages and statistical analyses.
c. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.
d. Rat 13145 had a small and flaccid right epididymis and a flaccid right testis; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table D20).
e. Damaged during processing (weight not affected).
f. Rat 13148 had a flaccid right epididymis and a flaccid right testis; values excluded from group averages and statistical analyses. See the individual necropsy observations table (Table D20).

000586

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 4): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP II		0.1 MG/KG/DAY	
13126	470.	0.67	0.14
13127	531.	0.81	0.15
13128	474.	0.86	0.18
13129	459.	0.55	0.12
13130	605.	1.00	0.16
13131	589.	0.93	0.16
13132	548.	0.58	0.10
13133	547.	0.60	0.11
13134	588.	1.38	0.23
13135	570.	0.89	0.16
13136	527.	1.06	0.20
13137	501.	0.89	0.18
13138a	502.	0.83	----
13139	571.	0.89	0.16
13140	465.	0.82	0.18
13141	490.	1.04	0.21
13142	584.	0.80	0.14
13143	560.	0.75	0.13
13144	480.	1.14	0.24
13145	512.	1.35	0.26
13146	550.	0.63	0.11
13147	517.	1.18	0.23
13148	569.	1.06	0.19
13149	544.	0.91	0.17
13150	540.	1.01	0.19

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Rat 13138 was found dead day 66 postweaning; values excluded from group averages and statistical analyses.

000587

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 5): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT ABS. WT.	EPIDIDYMIS LEFT REL. % TBW	TESTIS LEFT ABS. WT.	TESTIS LEFT REL. % TBW	SEMINAL VESICLES WITH FLUID ABS. WT.	SEMINAL VESICLES WITH FLUID REL. % TBW	SEMINAL VESICLES WITHOUT FLUID ABS. WT.	SEMINAL VESICLES WITHOUT FLUID REL. % TBW	EPIDIDYMIS RIGHT ABS. WT.	EPIDIDYMIS RIGHT REL. % TBW	TESTIS RIGHT ABS. WT.	TESTIS RIGHT REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY											
13151	532.	0.64	0.12	1.69	0.32	1.44	0.27	0.66	0.12	0.64	0.12	1.78	0.33
13152	549.	0.58	0.10	1.75	0.32	1.88	0.34	1.06	0.19	0.62	0.11	1.79	0.33
13153	571.	0.56	0.10	1.87	0.33	1.48	0.26	1.04	0.18	0.56	0.10	1.93	0.34
13154	526.	0.71	0.13	1.98	0.38	1.87	0.36	1.28	0.24	0.71	0.13	2.01	0.38
13155	477.	0.63	0.13	1.82	0.38	1.61	0.34	1.06	0.22	0.63	0.13	1.86	0.39
13156	469.	0.62	0.13	1.82	0.39	1.75	0.37	0.97	0.21	0.60	0.13	1.78	0.38
13157	644.	0.65	0.10	1.96	0.30	1.58	0.24	0.88	0.14	0.66	0.10	1.94	0.30
13158	522.	0.67	0.13	1.81	0.35	1.14	0.22	0.85	0.16	0.70	0.13	1.93	0.37
13159	529.	0.63	0.12	1.67	0.32	1.64	0.31	1.21	0.23	0.67	0.13	1.64	0.31
13160	560.	0.60	0.11	1.78	0.32	1.59	0.28	0.90	0.16	0.64	0.11	1.81	0.32
13161	435.	0.65	0.15	1.85	0.42	1.64	0.38	1.01	0.23	0.64	0.15	1.92	0.44
13162	557.	0.58	0.10	1.68	0.30	1.52	0.27	0.98	0.18	0.59	0.10	1.74	0.31
13163	527.	0.71	0.13	1.74	0.33	1.62	0.31	1.02	0.19	0.66	0.12	1.74	0.33
13164	439.	0.58	0.13	1.52	0.35	2.14	0.49	0.99	0.22	0.60	0.14	1.52	0.35
13165	532.	0.65	0.12	1.79	0.34	1.76	0.33	0.91	0.17	0.60	0.11	1.84	0.34
13166	539.	0.60	0.11	1.66	0.31	1.51	0.28	1.03	0.19	0.66	0.12	1.82	0.34
13167	524.	0.65	0.12	1.81	0.34	1.59	0.30	0.86	0.16	0.69	0.13	1.90	0.36
13168	523.	0.63	0.12	1.82	0.35	1.49	0.28	0.83	0.16	0.65	0.12	1.82	0.35
13169	512.	0.63	0.12	1.76	0.34	1.58	0.31	1.10	0.21	0.63	0.12	1.76	0.34
13170	589.	0.58	0.10	1.67	0.28	1.81	0.31	0.92	0.16	0.60	0.10	1.68	0.28
13171	469.	0.62	0.13	1.76	0.38	1.65	0.35	1.03	0.22	0.69	0.15	1.82	0.39
13172	513.	0.67	0.13	1.78	0.35	1.57	0.31	0.92	0.18	0.64	0.12	1.85	0.36
13173	606.	0.74	0.12	2.12	0.35	1.32a	0.22	0.87	0.14	0.76	0.12	2.12	0.35
13174	519.	0.64	0.12	1.86	0.36	1.76	0.34	0.91	0.18	0.64	0.12	1.80	0.35
13175	394.	0.59	0.15	1.73	0.44	1.36	0.34	0.60	0.15	0.58	0.15	1.69	0.43

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.
a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

000588

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE D21 (PAGE 6): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F1 GENERATION MALE RATS

RAT NUMBER	TERMINAL BODY WEIGHT	PROSTATE ABS. WT.	PROSTATE REL. % TBW
DOSAGE GROUP III		0.4 MG/KG/DAY	
13151	532.	1.01	0.19
13152	549.	1.41	0.26
13153	571.	0.91	0.16
13154	526.	0.85	0.16
13155	477.	0.80	0.17
13156	469.	0.61	0.13
13157	644.	1.05	0.16
13158	522.	0.83	0.16
13159	529.	0.85	0.16
13160	560.	1.06	0.19
13161	435.	0.83	0.19
13162	557.	0.62	0.11
13163	527.	0.80	0.15
13164	439.	0.93	0.21
13165	532.	1.03	0.19
13166	539.	0.79	0.15
13167	524.	0.97	0.18
13168	523.	1.09	0.21
13169	512.	0.91	0.18
13170	589.	0.76	0.13
13171	469.	1.07	0.23
13172	513.	0.64	0.12
13173	606.	0.96	0.16
13174	519.	0.95	0.18
13175	394.	0.52	0.13

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) x 100.

000589

APPENDIX E

REPORT TABLES – F1 GENERATION FEMALE RATS

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 0.1	III 0.4
PRECOHABITATION (DAY 1 OF STUDY TO THE DAY OF COHABITATION):			
MAXIMUM POSSIBLE INCIDENCE	1721/ 25	1844/ 25	1840/ 25
SACRIFICED	1a	0	0
FOUND DEAD	1b	0	0
INCISORS: TOTAL	29/ 3	32/ 4	77/ 6
MISALIGNED	29/ 3	9/ 1	52/ 4
MISSING/BROKEN	14/ 2	23/ 3	25/ 2
CHROMODACRYORRHEA	5/ 1	9/ 1	19/ 3
EARS: SWOLLEN AND PURPLE	8/ 2	4/ 2	0/ 0
LOCALIZED ALOPECIA: TOTAL	13/ 2	24/ 2	0/ 0
BACK	0/ 0	22/ 2	0/ 0
HEAD	0/ 0	2/ 1	0/ 0
LIMBS	13/ 2	0/ 0	0/ 0
BACK: ABRASION	0/ 0	10/ 1	0/ 0
BACK: SCAB	0/ 0	1/ 1	0/ 0
URINE-STAINED ABDOMINAL FUR	10/ 2	0/ 0	0/ 0
LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING	74/ 1	0/ 0	0/ 0
PERIVAGINAL SWELLING	6/ 1	0/ 0	0/ 0
LEFT FOREPAW: SWOLLEN	1/ 1	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Rat 13221 was found dead on day 28 postweaning.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 0.1	III 0.4
PRESUMED GESTATION: a			
MAXIMUM POSSIBLE INCIDENCE	509/ 23	539/ 24	548/ 25
MORTALITY	0	0	0
INCISORS: TOTAL	66/ 4	90/ 5	142/ 8
MISALIGNED	62/ 4	77/ 5	123/ 6
MISSING/BROKEN	21/ 2	41/ 3	22/ 3
CHROMODACRYORRHEA	10/ 2	26/ 1	40/ 3
EARS: SWOLLEN AND PURPLE	44/ 2	75/ 4	23/ 2
RED PERIVAGINAL SUBSTANCE	0/ 0	1/ 1	2/ 2
LOCALIZED ALOPECIA: TOTAL	61/ 3	32/ 3	21/ 2
LIMBS	61/ 3	27/ 2	15/ 1
HEAD	0/ 0	5/ 1	6/ 1
UNDERSIDE	15/ 1	0/ 0	0/ 0
URINE-STAINED ABDOMINAL FUR	0/ 0	0/ 0	1/ 1
CHROMORHINORRHEA	14/ 2	1/ 1	0/ 0
SOFT OR LIQUID FECES	0/ 0	1/ 1	0/ 0
LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING	23/ 1	0/ 0	0/ 0
TAIL: SHEATH MISSING	12/ 1	0/ 0	0/ 0
TIP OF TAIL BLACK	12/ 1	0/ 0	0/ 0
TIP OF TAIL MISSING	10/ 1	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Restricted to rats with a confirmed mating date.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E1 (PAGE 3): CLINICAL OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 0.1	III 0.4
LACTATION:			
MAXIMUM POSSIBLE INCIDENCE	462/ 22	441/ 21	493/ 24
FOUND DEAD	0	0	1a
INCISORS: TOTAL	65/ 4	43/ 3	116/ 6
MISALIGNED	44/ 3	42/ 2	116/ 6
MISSING/BROKEN	42/ 2	34/ 3	18/ 3
RED PERIVAGINAL SUBSTANCE	0/ 0	0/ 0	5/ 5**
EARS: SWOLLEN AND PURPLE	45/ 3	84/ 4	42/ 2
CHROMODACRYORRHEA	21/ 1	7/ 1	37/ 2
LOCALIZED ALOPECIA: TOTAL	63/ 3	42/ 2	21/ 1
LIMBS	63/ 3	42/ 2	21/ 1
UNDERSIDE	21/ 1	0/ 0	13/ 1
CHROMORHINORRHEA	6/ 1	2/ 1	0/ 0
CHEST: ABRASION	0/ 0	9/ 1	0/ 0
TIP OF TAIL MISSING	21/ 1	0/ 0	0/ 0
LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING	21/ 1	0/ 0	0/ 0
URINE-STAINED ABDOMINAL FUR	1/ 1	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.
N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.
a. Dam 13257 was found dead on day 10 of lactation.
** Significantly different from the vehicle control group value ($p \leq 0.01$).

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E2 (PAGE 1): BODY WEIGHTS PRECOHABITATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	24a	25	25
BODY WEIGHT (G)				
DAY 1	MEAN±S.D.	51.1 ± 6.1	50.5 ± 4.2	48.7 ± 5.1
DAY 8	MEAN±S.D.	91.2 ± 9.3	91.8 ± 5.2	91.2 ± 7.6
DAY 15	MEAN±S.D.	134.5 ± 12.5	138.0 ± 7.6	134.5 ± 9.9
DAY 22	MEAN±S.D.	168.2 ± 16.0	173.4 ± 9.7	168.5 ± 12.4
DAY 29	MEAN±S.D.	194.0 ± 21.7 [23]b	200.5 ± 13.1	193.9 ± 16.6
DAY 36	MEAN±S.D.	217.4 ± 24.9 [23]b	226.8 ± 15.2	217.8 ± 17.4
DAY 43	MEAN±S.D.	234.9 ± 25.2 [23]b	245.1 ± 14.6	237.9 ± 20.0
DAY 50	MEAN±S.D.	251.1 ± 27.4 [23]b	261.4 ± 20.0	251.2 ± 20.9
DAY 57	MEAN±S.D.	259.6 ± 29.0 [23]b	272.7 ± 20.7	262.7 ± 24.4
DAY 64	MEAN±S.D.	273.2 ± 31.4 [23]b	282.7 ± 19.6	272.3 ± 25.8
PRECOHABITATION c	MEAN±S.D.	282.8 ± 33.6 [23]b	294.0 ± 16.3	280.3 ± 26.9

DAY = DAY POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead day 28 postweaning.
c. Precohabitation body weights were recorded on the day that cohabitation began for the F1 generation rats; at that time these rats were 85 to 97 days of age.

000594

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E3 (PAGE 1): BODY WEIGHT CHANGES - PRECOHABITATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	24a	25	25
BODY WEIGHT CHANGE (G)				
DAYS 1 - 8	MEAN±S.D.	+40.0 ± 4.2	+41.4 ± 2.9	+42.5 ± 5.0
DAYS 8 - 15	MEAN±S.D.	+43.3 ± 6.3	+46.1 ± 4.2	+43.3 ± 4.5
DAYS 15 - 22	MEAN±S.D.	+33.8 ± 7.0	+35.5 ± 5.2	+34.0 ± 6.8
DAYS 22 - 29	MEAN±S.D.	+25.8 ± 12.8 [23]a,b	+27.0 ± 5.8	+25.4 ± 8.7
DAYS 29 - 36	MEAN±S.D.	+23.4 ± 10.4 [23]a,b	+26.3 ± 5.8	+23.8 ± 5.7
DAYS 36 - 43	MEAN±S.D.	+17.5 ± 9.2 [23]a,b	+18.3 ± 5.1	+20.1 ± 7.4
DAYS 43 - 50	MEAN±S.D.	+16.2 ± 6.6 [23]a,b	+16.3 ± 8.0	+13.3 ± 5.9
DAYS 50 - 57	MEAN±S.D.	+8.5 ± 6.8 [23]a,b	+11.3 ± 9.3	+11.6 ± 6.9
DAYS 57 - 64	MEAN±S.D.	+13.6 ± 7.6 [23]a,b	+10.0 ± 9.4	+9.6 ± 7.8
DAYS 1 - 64	MEAN±S.D.	+222.3 ± 28.9 [23]a,b	+232.2 ± 20.3	+223.6 ± 24.0
DAY 1 - PRECOHABITATION c	MEAN±S.D.	+231.9 ± 30.7 [23]a,b	+243.6 ± 17.3	+231.6 ± 25.1

DAY(S) = DAY(S) POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead day 28 postweaning.
c. Precohabitation body weights were recorded on the day that cohabitation began for the F1 generation rats; at that time these rats were 85 to 97 days of age.

000595

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E4 (PAGE 1): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)			I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED		N	25	25	25
INCLUDED IN ANALYSES		N	23a,b	25	25
PREGNANT		N	22	21	24
MATERNAL BODY WEIGHT (G)					
DAY	0	MEAN±S.D.	284.4 ± 30.8	295.3 ± 17.3	279.9 ± 24.8
DAY	1	MEAN±S.D.	291.4 ± 31.1	302.8 ± 18.9	288.1 ± 25.4
DAY	2	MEAN±S.D.	298.1 ± 30.5	308.1 ± 19.3	294.5 ± 24.8
DAY	3	MEAN±S.D.	303.1 ± 31.0	312.8 ± 19.3	297.5 ± 25.9
DAY	4	MEAN±S.D.	305.5 ± 31.1	315.3 ± 19.1	300.2 ± 25.3
DAY	5	MEAN±S.D.	309.2 ± 31.2	318.7 ± 19.2	304.4 ± 26.5
DAY	6	MEAN±S.D.	313.2 ± 32.7	321.6 ± 18.7	306.9 ± 25.1
DAY	7	MEAN±S.D.	317.4 ± 33.2	322.8 ± 19.9	309.0 ± 26.0
DAY	8	MEAN±S.D.	321.6 ± 32.8	328.0 ± 19.9	313.2 ± 27.4
DAY	9	MEAN±S.D.	326.2 ± 33.0	331.5 ± 19.5	317.7 ± 26.1
DAY	10	MEAN±S.D.	331.7 ± 33.6	336.5 ± 20.1	322.3 ± 28.2

DAY = DAY OF GESTATION
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.

000596

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E4 (PAGE 2): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
MATERNAL BODY WEIGHT (G)				
DAY 11	MEAN±S.D.	337.0 ± 32.3	341.0 ± 21.5	329.0 ± 27.1
DAY 12	MEAN±S.D.	342.4 ± 34.7	347.2 ± 22.9	331.8 ± 26.9
DAY 13	MEAN±S.D.	345.6 ± 33.8	350.3 ± 21.0	336.4 ± 28.7
DAY 14	MEAN±S.D.	351.9 ± 34.9	354.7 ± 21.1	342.3 ± 27.3
DAY 15	MEAN±S.D.	358.9 ± 35.0	364.0 ± 22.3	347.9 ± 29.5
DAY 16	MEAN±S.D.	366.2 ± 35.0	373.5 ± 22.4	358.6 ± 29.6
DAY 17	MEAN±S.D.	379.4 ± 34.4	385.8 ± 25.3	372.3 ± 30.2
DAY 18	MEAN±S.D.	394.6 ± 32.8	401.6 ± 27.4	388.1 ± 32.1
DAY 19	MEAN±S.D.	408.3 ± 35.6	414.7 ± 27.7	402.8 ± 32.0
DAY 20	MEAN±S.D.	420.8 ± 34.4	428.0 ± 30.3	417.7 ± 34.4

DAY = DAY OF GESTATION
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E5 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - GESTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
MATERNAL BODY WEIGHT CHANGE (G)				
DAYS 0 - 7	MEAN±S.D.	+33.0 ± 6.9	+27.4 ± 9.0	+29.2 ± 7.1
DAYS 7 - 10	MEAN±S.D.	+14.3 ± 5.0	+13.8 ± 6.9	+13.2 ± 5.2
DAYS 10 - 14	MEAN±S.D.	+20.2 ± 5.9	+18.1 ± 9.9	+20.0 ± 6.2
DAYS 14 - 17	MEAN±S.D.	+27.5 ± 13.7	+31.2 ± 9.4	+30.0 ± 8.6
DAYS 17 - 20	MEAN±S.D.	+41.4 ± 11.0	+42.2 ± 9.3	+45.4 ± 9.0
DAYS 0 - 20	MEAN±S.D.	+136.4 ± 16.0	+132.7 ± 22.7	+137.8 ± 16.4

DAYS = DAYS OF GESTATION

a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.

b. Excludes values for rat 13221, which was found dead on day 28 postweaning.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E6 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
DELIVERED LITTERS	N	22	21	24
MATERNAL BODY WEIGHT (G)				
DAY 1	MEAN±S.D.	325.7 ± 35.8	334.7 ± 16.9	323.4 ± 28.4
DAY 4	MEAN±S.D.	328.0 ± 33.0	337.5 ± 20.9	318.8 ± 25.8
DAY 7	MEAN±S.D.	331.5 ± 31.2	340.2 ± 19.1	324.2 ± 23.2
DAY 14	MEAN±S.D.	358.9 ± 29.2	368.3 ± 21.8	352.4 ± 23.6 [23]c
DAY 21	MEAN±S.D.	338.0 ± 31.0	356.0 ± 18.4	341.3 ± 17.8 [23]c

DAY = DAY OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values for dam 13257, which was found dead on day 10 of lactation.

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PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E7 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - LACTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
DELIVERED LITTERS	N	22	21	24
MATERNAL BODY WEIGHT CHANGE (G)				
DAYS 1 - 4	MEAN±S.D.	+2.3 ± 13.6	+2.8 ± 10.7	-4.6 ± 8.4*
DAYS 4 - 7	MEAN±S.D.	+3.6 ± 11.8	+2.7 ± 10.7	+5.4 ± 8.2
DAYS 7 - 14	MEAN±S.D.	+27.3 ± 12.8	+28.0 ± 15.6	+30.1 ± 10.4 [23]c
DAYS 14 - 21	MEAN±S.D.	-20.9 ± 17.1	-12.3 ± 12.6	-11.0 ± 17.0 [23]c
DAYS 1 - 21	MEAN±S.D.	+12.3 ± 19.1	+21.3 ± 15.3	+21.2 ± 18.7 [23]c

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values for dam 13257, which was found dead on day 10 of lactation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).

000600

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E8 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - PRECOHABITATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	24a	25	25
FEED CONSUMPTION (G/DAY)				
DAYS 1 - 8	MEAN±S.D.	13.6 ± 1.3	13.7 ± 1.2	12.6 ± 1.7*
DAYS 8 - 15	MEAN±S.D.	18.9 ± 1.4 [23]b	19.1 ± 1.5	18.9 ± 2.4
DAYS 15 - 22	MEAN±S.D.	20.4 ± 2.3 [23]b	21.2 ± 1.6	20.8 ± 1.9 [24]b
DAYS 22 - 29	MEAN±S.D.	20.5 ± 2.8 [23]c	21.4 ± 2.1	20.8 ± 2.0
DAYS 29 - 36	MEAN±S.D.	20.5 ± 2.7 [23]c	21.4 ± 2.4	20.7 ± 2.1 [24]b
DAYS 36 - 43	MEAN±S.D.	22.4 ± 3.8 [22]b,c	24.4 ± 4.0	23.6 ± 3.9
DAYS 43 - 50	MEAN±S.D.	22.9 ± 3.2 [22]b,c	23.8 ± 3.5 [24]b	23.6 ± 3.9 [24]b
DAYS 50 - 57	MEAN±S.D.	23.2 ± 3.7 [23]c	23.5 ± 3.0	22.3 ± 2.9
DAYS 57 - 64d	MEAN±S.D.	21.5 ± 2.3 [23]c	21.9 ± 2.0 [24]b	21.5 ± 3.0 [24]b
DAYS 1 - 64d	MEAN±S.D.	20.4 ± 1.8 [23]c	21.2 ± 1.7 [24]b	20.6 ± 1.9 [24]b

DAYS = DAYS POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values that were associated with spillage or wet feed.
c. Excludes values for rat 13221, which was found dead day 28 postweaning.
d. Last value recorded before cohabitation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E9 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - PRECOHABITATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	24a	25	25
FEED CONSUMPTION (G/KG/DAY)				
DAYS 1 - 8	MEAN±S.D.	191.9 ± 18.7	192.8 ± 14.1	180.9 ± 23.4
DAYS 8 - 15	MEAN±S.D.	167.9 ± 15.3 [23]b	166.7 ± 11.4	167.7 ± 18.5
DAYS 15 - 22	MEAN±S.D.	135.9 ± 11.0 [23]b	136.4 ± 7.6	137.8 ± 11.9 [24]b
DAYS 22 - 29	MEAN±S.D.	113.2 ± 12.9 [23]c	114.2 ± 6.8	114.6 ± 6.8
DAYS 29 - 36	MEAN±S.D.	99.9 ± 9.6 [23]c	100.3 ± 7.8	100.9 ± 7.8 [24]b
DAYS 36 - 43	MEAN±S.D.	100.2 ± 18.4 [22]b,c	103.4 ± 16.7	104.1 ± 18.9
DAYS 43 - 50	MEAN±S.D.	95.3 ± 13.6 [22]b,c	93.9 ± 11.6 [24]b	96.8 ± 17.6 [24]b
DAYS 50 - 57	MEAN±S.D.	91.5 ± 14.7 [23]c	88.4 ± 11.3	86.9 ± 8.1
DAYS 57 - 64d	MEAN±S.D.	80.9 ± 6.4 [23]c	79.0 ± 6.7 [24]b	80.3 ± 9.2 [24]b
DAYS 1 - 64d	MEAN±S.D.	109.6 ± 8.8 [23]c	109.2 ± 6.6 [24]b	109.5 ± 9.1 [24]b

DAYS = DAYS POSTWEANING
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values that were associated with spillage or wet feed.
c. Excludes values for rat 13221, which was found dead day 28 postweaning.
d. Last value recorded before cohabitation.

000502

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E10 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - GESTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
MATERNAL FEED CONSUMPTION (G/DAY)				
DAYS 0 - 7	MEAN±S.D.	25.2 ± 2.2	25.0 ± 2.6 [20]c	24.0 ± 2.4
DAYS 7 - 10	MEAN±S.D.	27.2 ± 3.0	26.2 ± 4.2	25.4 ± 3.2
DAYS 10 - 14	MEAN±S.D.	26.8 ± 3.2	25.6 ± 3.1	25.0 ± 2.6 [23]c
DAYS 14 - 17	MEAN±S.D.	27.8 ± 3.9	26.0 ± 4.1	26.9 ± 3.3
DAYS 17 - 20	MEAN±S.D.	25.2 ± 3.6	25.0 ± 3.6	25.5 ± 4.0
DAYS 0 - 20	MEAN±S.D.	26.2 ± 2.4	25.5 ± 2.5	25.1 ± 2.4

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values that were associated with spillage.

000603

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E11 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - GESTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
MATERNAL FEED CONSUMPTION (G/KG/DAY)				
DAYS 0 - 7	MEAN±S.D.	83.6 ± 5.8	80.0 ± 5.4 [20]c	80.9 ± 7.4
DAYS 7 - 10	MEAN±S.D.	84.1 ± 6.9	79.3 ± 10.0	80.4 ± 7.6
DAYS 10 - 14	MEAN±S.D.	78.8 ± 7.8	74.0 ± 7.6	75.8 ± 7.1 [23]c
DAYS 14 - 17	MEAN±S.D.	76.7 ± 10.2	70.3 ± 10.0	75.7 ± 6.8
DAYS 17 - 20	MEAN±S.D.	63.1 ± 8.2	61.3 ± 7.6	64.5 ± 8.8
DAYS 0 - 20	MEAN±S.D.	77.8 ± 5.6	73.8 ± 5.0	75.9 ± 5.2

DAYS = DAYS OF GESTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values that were associated with spillage.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E12 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - LACTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
DELIVERED LITTERS	N	22	21	24
MATERNAL FEED CONSUMPTION (G/DAY)				
DAYS 1 - 4	MEAN±S.D.	29.2 ± 6.9	30.1 ± 5.7 [19]c	25.2 ± 4.7*
DAYS 4 - 7	MEAN±S.D.	36.9 ± 4.8	39.6 ± 7.8	35.9 ± 6.4
DAYS 7 - 14d	MEAN±S.D.	54.0 ± 6.1	57.4 ± 7.1	52.0 ± 7.3 [23]e
DAYS 1 - 14d	MEAN±S.D.	44.4 ± 4.6	47.1 ± 6.2	42.2 ± 5.5 [23]e

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values that were associated with spillage.
d. Because it is presumed that the pups begin to consume maternal feed after day 14 of lactation, maternal feed consumption values were not tabulated on days 14 to 21 of lactation.
e. Excludes values for dam 13257, which was found dead on day 10 of lactation.
* Significantly different from the vehicle control group value ($p \leq 0.05$).

000605

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E13 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - LACTATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS TESTED	N	25	25	25
INCLUDED IN ANALYSES	N	23a,b	25	25
PREGNANT	N	22	21	24
DELIVERED LITTERS	N	22	21	24
MATERNAL FEED CONSUMPTION (G/KG/DAY)				
DAYS 1 - 4	MEAN±S.D.	90.6 ± 24.7	89.0 ± 15.0 [19]c	78.9 ± 16.0
DAYS 4 - 7	MEAN±S.D.	113.2 ± 20.8	117.1 ± 22.9	111.9 ± 20.2
DAYS 7 - 14d	MEAN±S.D.	157.6 ± 21.9	162.3 ± 20.2	154.1 ± 17.7 [23]e
DAYS 1 - 14d	MEAN±S.D.	133.4 ± 19.9	136.6 ± 17.6	128.8 ± 15.1 [23]e

DAYS = DAYS OF LACTATION
[ ] = NUMBER OF VALUES AVERAGED

a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 postweaning.
c. Excludes values that were associated with spillage.
d. Because it is presumed that the pups begin to consume maternal feed after day 14 of lactation, maternal feed consumption values were not tabulated on days 14 to 21 of lactation.
e. Excludes values for dam 13257, which was found dead on day 10 of lactation.

000606

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E14 (PAGE 1): SEXUAL MATURATION - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
FEMALE RATS	N	25	25	25
INCLUDED IN ANALYSES	N	24a	25	25
VAGINA PATENT b	MEAN±S.D.	31.1 ± 1.8	31.1 ± 2.0	30.5 ± 1.4

a. Excludes values for female rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Average day postpartum that the vagina was patent.

000607

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E15 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
FEMALE RATS				
SESSION 1a	N	22b	25	22
TRIALS TO CRITERION	MEAN±S.D.	6.4 ± 3.1	5.2 ± 2.0	5.0 ± 1.0
LATENCY TRIAL 1c	MEAN±S.D.	8.0 ± 5.0	7.1 ± 3.5	11.3 ± 12.5
LATENCY TRIAL 2c	MEAN±S.D.	23.2 ± 18.1	25.6 ± 19.6	24.1 ± 19.1
FAILED TO LEARN d	N(%)	1(4.5)	0(0.0)	0(0.0)
SESSION 2a	N	21	25	22
TRIALS TO CRITERION	MEAN±S.D.	4.0 ± 2.9	3.3 ± 2.7	2.8 ± 1.2*
LATENCY TRIAL 1c	MEAN±S.D.	26.0 ± 21.3	38.4 ± 23.7	40.3 ± 24.6

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
c. The latency was recorded in seconds.
d. Number of rats that did not meet the criterion in Session 1 (Learning Phase).
* Significantly different from the vehicle control group value ($p \leq 0.05$).

000608

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E16 (PAGE 1): WATERMAZE PERFORMANCE - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
FEMALE RATS				
SESSION 1a	N	21	25	21
TRIALS TO CRITERION	MEAN±S.D.	11.2 ± 2.7	9.8 ± 2.8	11.8 ± 2.5
ERRORS PER TRIAL	MEAN±S.D.	0.51 ± 0.28	0.40 ± 0.18	0.51 ± 0.27
LATENCY TRIAL 2b	MEAN±S.D.	12.2 ± 7.4	13.0 ± 7.5	14.5 ± 8.2
FAILED TO LEARN c	N(%)	3(14.3)	3(12.0)	2(9.5)
SESSION 2a	N	18	22	18d
TRIALS TO CRITERION	MEAN±S.D.	7.3 ± 3.2	7.5 ± 3.0	6.3 ± 1.8
ERRORS PER TRIAL	MEAN±S.D.	0.16 ± 0.18	0.15 ± 0.14	0.17 ± 0.20
LATENCY TRIAL 1b	MEAN±S.D.	14.4 ± 12.1	10.4 ± 5.6	10.7 ± 3.5

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Number of rats that did not meet the criterion in Session 1 (Learning Phase); Session 2 (Retention Phase) values for these rats were excluded from group averages and statistical analyses.
d. Excludes values for rat 13264, which was not tested during Session 2 (Retention Phase).

000609

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E17 (PAGE 1): MATING AND FERTILITY - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS IN COHABITATION	N	23a,b	25	25
DAYS IN COHABITATION c	MEAN±S.D	3.6 ± 3.2	3.9 ± 2.8	2.6 ± 1.5
RATS THAT MATED	N(%)	23(100.0)	24(96.0)	25(100.0)
FERTILITY INDEX d	N/N (%)	22/23 (95.6)	21/24 (87.5)	24/25 (96.0)
RATS WITH CONFIRMED MATING DATES	N	23	24	25
RATS MATING e				
DAYS 1- 7	N(%)	20(87.0)	22(91.7)	25(100.0)
DAYS 8-14	N(%)	3(13.0)f	2(8.3)	0(0.0)
RATS PREGNANT/RATS IN COHABITATION	N/N (%)	22/23 (95.6)	21/25 (84.0)	24/25 (96.0)

a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13121, which was found dead day 28 postweaning.
c. Restricted to rats with a confirmed mating date and rats that did not mate.
d. Number of pregnancies/number of rats that mated.
e. Restricted to rats with a confirmed mating date.
f. Includes data for rat 13228; rat was only in cohabitation six days with the first male because there were no available male rats on day 1 of cohabitation.

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TABLE E18 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 0.1	III 0.4
RATS EXAMINED a	N	25	25	25
FOUND DEAD	N	1b	0	1c
SACRIFICED	N	1d	0	0
APPEARED NORMAL	N	23b,d	25	24
THORACIC CAVITY:				
LIGHT ORANGE FLUID	N	0	0	1c
TRACHEA:				
WHITE FOAM PRESENT	N	0	0	1c
LUNGS:				
DARK RED	N	0	0	1c
URINARY BLADDER:				
ONE CALCULUS	N	2	0	0
WALLS THICKENED	N	1	0	0
KIDNEYS:				
BILATERAL OR LEFT, CORTEX PITTED AND/OR ROUGH	N	2	0	0
RIGHT, PELVIS, ONE CALCULUS	N	1	0	0
RIGHT, PELVIS, TAN GRANULAR MATERIAL	N	1	0	0

a. Refer to the individual clinical observations table (Table E23) for external observations confirmed at necropsy.
b. Rat 13221 was found dead on day 28 postweaning.
c. Dam 13257 was found dead on day 10 of lactation.
d. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000611

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TABLE E19 (PAGE 1): NATURAL DELIVERY OBSERVATIONS - SUMMARY - F1 GENERATION FEMALE RATS

DOSAGE GROUP		I	II	III
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
RATS ASSIGNED TO NATURAL DELIVERY	N	23a,b	25	25
PREGNANT	N(%)	22(95.6)	21(84.0)	24(96.0)
DELIVERED LITTERS	N(%)	22(100.0)	21(100.0)	24(100.0)
DURATION OF GESTATION c	MEAN±S.D.	22.9 ± 0.5	22.9 ± 0.4	22.8 + 0.4
IMPLANTATION SITES	N	338	352	369
PER DELIVERED LITTER	MEAN±S.D.	15.4 ± 2.9	16.8 ± 2.2	15.4 ± 2.2
DAMS WITH STILLBORN PUPS	N(%)	4(18.2)	3(14.3)	9(37.5)
DAMS WITH NO LIVEBORN PUPS	N	0	0	0
GESTATION INDEX d	%	100.0	100.0	100.0
	N/N	22/ 22	21/ 21	24/ 24
DAMS WITH ALL PUPS DYING DAYS 1-4 POSTPARTUM	N	0	0	0
DAMS WITH ALL PUPS DYING DAYS 5-21 POSTPARTUM	N	0	0	0

a. Excludes values for rat 13205, which was excluded from study on day 7 postweaning; the sex was incorrectly identified.
b. Excludes values for rat 13221, which was found dead on day 28 of study.
c. Calculated as the time (in days) elapsed between confirmed mating (arbitrarily defined as day 0) and the time (in days) the first pup was delivered.
d. Number of rats with live offspring/number of pregnant rats.

000612

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TABLE E20 (PAGE 1): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	22	21	24
PUPS DELIVERED (TOTAL)	N	316	325	357
	MEAN±S.D.	14.4 ± 3.5	15.5 ± 2.5	14.9 ± 2.6
LIVEBORN	MEAN±S.D.	14.1 ± 3.5	15.1 ± 2.4	14.3 ± 2.5
	N(%)	310(98.1)	318(97.8)	344(96.4)
STILLBORN	MEAN±S.D.	0.3 ± 0.6	0.3 ± 1.1	0.5 ± 0.9
	N(%)	6(1.9)	7(2.2)	13(3.6)
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED				
DAY 1	N/N(%)	2/310(0.6)	2/318(0.6)	2/344(0.6)
DAYS 2- 4	N/N(%)	7/308(2.3)	2/316(0.6)	11/342(3.2)
DAYS 5- 7	N/N(%)	0/171(0.0)	2/167(1.2)	5/191(2.6)
DAYS 8-14	N/N(%)	0/171(0.0)	1/165(0.6)	1/178(0.6)a
DAYS 15-21	N/N(%)	0/171(0.0)	0/164(0.0)	0/177(0.0)a
VIABILITY INDEX b	%	97.1	98.7	96.2
	N/N	301/310	314/318	331/344
LACTATION INDEX c	%	100.0	98.2	96.7
	N/N	171/171	164/167	177/183

DAY(S) = DAY(S) POSTPARTUM

a. Excludes values for litter 13257; the dam was found dead on day 10 of lactation; eight pups were sacrificed.
b. Number of live pups on day 4 (preculling) postpartum/number of liveborn pups on day 1 postpartum.
c. Number of live pups on day 21 (weaning) postpartum/number of live pups on day 4 (postculling) postpartum.

000613

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E20 (PAGE 2): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP		I	II	III
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	22	21	24
SURVIVING PUPS/LITTER a				
DAY 1 b	MEAN±S.D.	14.1 ± 3.5	15.1 ± 2.4	14.3 ± 2.5
DAY 4 PRECULLING	MEAN±S.D.	13.7 ± 3.3	15.0 ± 2.8	13.8 ± 2.4
DAY 4 POSTCULLING	MEAN±S.D.	7.8 ± 0.8	8.0 ± 0.2	8.0 ± 0.2
DAY 7	MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.5	7.8 ± 0.7
DAY 14	MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.7	7.7 ± 0.8 [24]c
DAY 21	MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.7	7.7 ± 0.8 [24]c
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED				
DAY 1 b	MEAN±S.D.	47.9 ± 15.2	52.1 ± 10.9	47.0 ± 13.3
DAY 4 PRECULLING	MEAN±S.D.	47.9 ± 15.1	51.5 ± 11.1	46.6 ± 13.4
DAY 4 POSTCULLING	MEAN±S.D.	47.0 ± 10.0	49.6 ± 1.6	49.1 ± 5.7
DAY 7	MEAN±S.D.	47.0 ± 10.0	48.9 ± 3.9	48.7 ± 6.4
DAY 14	MEAN±S.D.	47.0 ± 10.0	49.2 ± 2.6	48.3 ± 6.2 [24]c
DAY 21	MEAN±S.D.	47.0 ± 10.0	49.2 ± 2.6	48.3 ± 6.2 [24]c

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Average number of live pups per litter, including litters with no surviving pups.
b. Includes pups born alive, found dead day 1 postpartum.
c. Excludes values for litter 13257; the dam was found dead on day 10 of lactation; eight pups were sacrificed.

000614

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E20 (PAGE 3): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP			I	II	III
MATERNAL DOSAGE (MG/KG/DAY)			0 (VEHICLE)	0.1	0.4
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N		22	21	24
LIVE LITTER SIZE AT WEIGHING					
DAY 1		MEAN±S.D.	14.0 ± 3.5	15.0 ± 2.6	14.2 ± 2.5
DAY 4 PRECULLING		MEAN±S.D.	13.7 ± 3.3	15.0 ± 2.8	13.8 ± 2.4
DAY 4 POSTCULLING		MEAN±S.D.	7.8 ± 0.8	8.0 ± 0.2	7.9 ± 0.3
DAY 7		MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.5	7.8 ± 0.7
DAY 14		MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.7	7.7 ± 0.8 [23]a
DAY 21		MEAN±S.D.	7.8 ± 0.8	7.8 ± 0.7	7.7 ± 0.8 [23]a
PUP WEIGHT/LITTER (GRAMS)					
DAY 1		MEAN±S.D.	6.3 ± 0.8	6.1 ± 0.5	6.2 ± 0.5
DAY 4 PRECULLING		MEAN±S.D.	8.7 ± 1.6	8.2 ± 1.0	8.0 ± 1.3
DAY 4 POSTCULLING		MEAN±S.D.	8.8 ± 1.6	8.3 ± 1.0	8.0 ± 1.3
DAY 7		MEAN±S.D.	14.7 ± 2.4	13.9 ± 2.2	12.8 ± 2.6*
DAY 14		MEAN±S.D.	32.0 ± 3.5	31.8 ± 3.1	28.9 ± 4.7** [23]a
DAY 21		MEAN±S.D.	50.1 ± 5.1	49.2 ± 5.0	46.5 ± 6.3 [23]a

DAY = DAY POSTPARTUM
[ ] = NUMBER OF VALUES AVERAGED
a. Excludes values for litter 13257; the dam was found dead on day 10 of lactation; eight pups were sacrificed.
* Significantly different from the vehicle control group value ($p \leq 0.05$).
** Significantly different from the vehicle control group value ($p \leq 0.01$).

000615

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E21 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 21 POSTPARTUM - SUMMARY - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP		I	II	III
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
LITTERS EXAMINED (N)		22	21	24
TRANSIENT CLINICAL OBSERVATIONS: a		TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS		
NOT NURSING OR NESTING	N/N	1/ 1	0/ 0	0/ 0
DECREASED MOTOR ACTIVITY	N/N	1/ 1	0/ 0	0/ 0
COLD TO TOUCH	N/N	1/ 1	0/ 0	0/ 0
PERSISTENT CLINICAL OBSERVATIONS: a		TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS		
TIP OF TAIL MISSING	N/N	21/ 1	0/ 0	1/ 1
UMBILICAL HERNIA	N/N	0/ 0	0/ 0	15/ 1

STATISTICAL ANALYSES WERE RESTRICTED TO THE NUMBER OF LITTERS WITH OBSERVATIONS.
N/N = TOTAL FREQUENCY (DAYS x PUPS)/LITTERS WITH OBSERVATIONS
a. Tabulation restricted to adverse observations; all other pups appeared normal.

000616

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E22 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP		I	II	III
MATERNAL DOSAGE (MG/KG/DAY)		0 (VEHICLE)	0.1	0.4
LITTERS EXAMINED (N)		22	21	24
TOTAL PUPS STILLBORN OR FOUND DEAD a	N	9	12	19
STILLBORN	N	4	7	12
FOUND DEAD	N	5	5	7
NO MILK IN STOMACH b	N(%)	2(40.0)	4(80.0)	4(57.1)
PUPS SACRIFICED AND NECROPSIED ON DAYS 4, 10 OR 21 POSTPARTUM a				
LITTERS EVALUATED	N	22	21	24
PUPS EVALUATED	N	301	311	325
APPEARED NORMAL				
LITTER INCIDENCE	N(%)	21(95.4)	20(95.2)	24(100.0)
PUP INCIDENCE	N(%)	300(99.7)	310(99.7)	325(100.0)
LIVER: MEDIAN AND LEFT LATERAL LOBES, TAN RAISED AREA				
LITTER INCIDENCE	N(%)	0(0.0)	1(4.8)	0(0.0)
PUP INCIDENCE	N(%)	0(0.0)	1(0.3)	0(0.0)
BRAIN: HYDROCEPHALY, EXTREME DILATION OF ALL VENTRICLES				
LITTER INCIDENCE	N(%)	1(4.5)	0(0.0)	0(0.0)
PUP INCIDENCE	N(%)	1(0.3)	0(0.0)	0(0.0)

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.
b. Analysis restricted to pups found dead and necropsied.

000617

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
13201	DP(77)	CHROMORHINORRHEA
13202		NO ADVERSE FINDINGS
13203	DP(23- 24)	URINE-STAINED ABDOMINAL FUR
13204	DP(72- 75)	EARS: SWOLLEN AND PURPLE
	DG(0- 21)	EARS: SWOLLEN AND PURPLE
	DG(5- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
13205b	DP(7)	SACRIFICED; THE SEX WAS INCORRECTLY IDENTIFIED
13206	DP(69- 75)	INCISORS: MISSING/BROKEN
	DP(69- 75)	INCISORS: MISALIGNED
	DG(0- 12)	INCISORS: MISSING/BROKEN
	DG(13)	INCISORS: GROWN IN
	DG(0- 12)	INCISORS: MISALIGNED
	DG(13)	INCISORS: REALIGNED
	DG(18- 21)	INCISORS: MISSING/BROKEN
	DL(1- 21)	INCISORS: MISSING/BROKEN a
13207	DP(71- 74)	EARS: SWOLLEN AND PURPLE
	DG(0- 21)	EARS: SWOLLEN AND PURPLE
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
13208	DP(9- 16)	URINE-STAINED ABDOMINAL FUR
	DP(11- 16)	PERIVAGINAL SWELLING
	DP(17)	SWELLING RESOLVED
	DP(71)	LEFT FOREPAW: SWOLLEN
	DP(72)	SWELLING RESOLVED
	DP(71- 74)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(7- 21)	LOCALIZED ALOPECIA: UNDERSIDE
	DG(16- 18)	CHROMORHINORRHEA
	DG(16- 21)	CHROMODACRYORRHEA
	DG(16- 21)	INCISORS: MISALIGNED
	DL(1- 21)	CHROMODACRYORRHEA a
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
	DL(1- 21)	LOCALIZED ALOPECIA: UNDERSIDE
	DL(20)	URINE-STAINED ABDOMINAL FUR
13209		NO ADVERSE FINDINGS

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION

a. Observation confirmed at necropsy.

b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000618

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY
RAT #		DESCRIPTION
13210	DP(62- 77)	INCISORS: MISALIGNED
	DP(76- 77)	CHROMODACRYORRHEA
	DG(0- 2)	CHROMODACRYORRHEA
	DG(0- 20)	INCISORS: MISALIGNED
	DG(4)	CHROMODACRYORRHEA
	DG(17- 20)	INCISORS: MISSING/BROKEN
	DL(1- 21)	INCISORS: MISSING/BROKEN a
	DL(1- 21)	INCISORS: MISALIGNED a
13211	DP(1- 75)	LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING
	DG(0- 22)	LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING
	DL(1- 21)	LEFT HINDPAW: THIRD AND FOURTH DIGITS MISSING
13212		NO ADVERSE FINDINGS
13213		NO ADVERSE FINDINGS
13214		NO ADVERSE FINDINGS
13215		NO ADVERSE FINDINGS
13216	DP(65- 74)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
13217	DP(65- 71)	INCISORS: MISSING/BROKEN
	DP(72)	INCISORS: GROWN IN
	DP(65- 80)	INCISORS: MISALIGNED
	DP(69- 73)	CHROMODACRYORRHEA
	DP(79)	CHROMORHINORRHEA
	DG(0- 21)	INCISORS: MISALIGNED
	DL(1- 2)	INCISORS: MISALIGNED
	DL(3)	INCISORS: REALIGNED
13218		NO ADVERSE FINDINGS
13219		NO ADVERSE FINDINGS
13220	DG(0- 11)	TAIL: SHEATH MISSING
	DG(0- 11)	TIP OF TAIL BLACK
	DG(12- 21)	TIP OF TAIL MISSING
	DL(1- 21)	TIP OF TAIL MISSING a
13221	DP(28)	FOUND DEAD
13222		NO ADVERSE FINDINGS
13223		NO ADVERSE FINDINGS
13224	DL(19- 21)	EARS: SWOLLEN AND PURPLE a
13225	DG(5)	CHROMORHINORRHEA
	DG(12- 21)	CHROMORHINORRHEA
	DL(1- 6)	CHROMORHINORRHEA

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000619

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
13226		NO ADVERSE FINDINGS
13227		NO ADVERSE FINDINGS
13228	DG(10- 24)	INCISORS: MISALIGNED
	DG(25)	INCISORS: REALIGNED
	DG(11- 24)	INCISORS: MISSING/BROKEN
	DG(25)	INCISORS: GROWN IN
13229		NO ADVERSE FINDINGS
13230	DG(2- 20)	EARS: SWOLLEN AND PURPLE
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
13231		NO ADVERSE FINDINGS
13232	DP(72- 78)	INCISORS: MISSING/BROKEN
	DG(0)	INCISORS: GROWN IN
	DG(0- 3)	INCISORS: MISSING/BROKEN
	DG(4)	INCISORS: GROWN IN
	DG(9)	CHROMORHINORRHEA
	DG(9- 21)	INCISORS: MISSING/BROKEN
	DG(9- 21)	INCISORS: MISALIGNED
	DL(1- 21)	INCISORS: MISSING/BROKEN a
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(15- 16)	CHROMORHINORRHEA
13233		NO ADVERSE FINDINGS
13234	DP(73- 81)	EARS: SWOLLEN AND PURPLE
	DG(0- 21)	EARS: SWOLLEN AND PURPLE
	DG(19)	SOFT OR LIQUID FECES
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
	DL(5- 11)	CHROMODACRYORRHEA
13235	DG(22)	RED PERIVAGINAL SUBSTANCE
13236		NO ADVERSE FINDINGS
13237	DL(13- 21)	CHEST: ABRASION (0.5 CM X 0.3 CM)a
13238	DP(75- 76)	INCISORS: MISALIGNED
	DG(0- 21)	INCISORS: MISALIGNED
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(10- 21)	INCISORS: MISSING/BROKEN a
13239		NO ADVERSE FINDINGS
13240		NO ADVERSE FINDINGS
13241		NO ADVERSE FINDINGS
13242		NO ADVERSE FINDINGS

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000620

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP II		0.1 MG/KG/DAY
RAT #		DESCRIPTION
13243	DP(65- 75)	CHROMODACRYORRHEA
	DP(65- 75)	INCISORS: MISALIGNED
	DG(0- 25)	CHROMODACRYORRHEA a
	DG(0- 25)	INCISORS: MISALIGNED a
13244	DP(38- 47)	BACK: ABRASION (0.3 CM IN DIAMETER)
	DP(38- 48)	LOCALIZED ALOPECIA: BACK
	DP(49)	ALOPECIA NO LONGER APPARENT
	DP(48)	BACK: SCAB (0.3 CM IN DIAMETER)
	DP(49)	SCAB NO LONGER APPARENT
	DP(72- 74)	LOCALIZED ALOPECIA: HEAD
	DG(0- 4)	LOCALIZED ALOPECIA: HEAD
	DG(5)	ALOPECIA NO LONGER APPARENT
13245	DP(51- 59)	INCISORS: MISSING/BROKEN
	DP(60)	INCISORS: GROWN IN
13246	DP(38- 48)	LOCALIZED ALOPECIA: BACK
	DP(49)	ALOPECIA NO LONGER APPARENT
	DP(72- 75)	EARS: SWOLLEN AND PURPLE
	DG(0- 21)	EARS: SWOLLEN AND PURPLE
	DG(10- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS
13247		NO ADVERSE FINDINGS
13248	DG(2)	INCISORS: MISALIGNED
	DG(3)	INCISORS: REALIGNED
	DG(2- 11)	INCISORS: MISSING/BROKEN
	DG(12)	INCISORS: GROWN IN
	DG(7- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(10- 21)	EARS: SWOLLEN AND PURPLE
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
	DL(21)	INCISORS: MISSING/BROKEN a
13249		NO ADVERSE FINDINGS
13250	DP(50- 60)	INCISORS: MISSING/BROKEN
	DP(61)	INCISORS: GROWN IN

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000621

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
13251		NO ADVERSE FINDINGS
13252	DG(4- 20)	INCISORS: MISALIGNED
	DL(1- 20)	INCISORS: MISALIGNED
	DL(21)	INCISORS: REALIGNED
13253	DG(1- 15)	INCISORS: MISSING/BROKEN
	DG(16)	INCISORS: GROWN IN
13254	DP(49- 53)	INCISORS: MISSING/BROKEN
	DP(54- 55)	INCISORS: GROWN IN
13255	DP(48- 67)	INCISORS: MISSING/BROKEN
	DP(68)	INCISORS: GROWN IN
13256	DL(1)	RED PERIVAGINAL SUBSTANCE
13257	DL(10)	FOUND DEAD
13258		NO ADVERSE FINDINGS
13259	DG(11- 21)	EARS: SWOLLEN AND PURPLE
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
13260	DG(6- 9)	INCISORS: MISSING/BROKEN
	DG(10)	INCISORS: GROWN IN
	DG(10- 21)	EARS: SWOLLEN AND PURPLE
	DL(1- 21)	EARS: SWOLLEN AND PURPLE a
13261	DG(3- 5)	INCISORS: MISSING/BROKEN
	DG(3- 21)	INCISORS: MISALIGNED
	DL(1- 12)	INCISORS: MISALIGNED
	DL(13)	INCISORS: REALIGNED
13262		NO ADVERSE FINDINGS
13263		NO ADVERSE FINDINGS
13264	DL(1)	RED PERIVAGINAL SUBSTANCE
13265	DP(55- 73)	INCISORS: MISALIGNED
	DG(0- 21)	INCISORS: MISALIGNED
	DG(7- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(8- 21)	CHROMODACRYORRHEA
	DG(21)	RED PERIVAGINAL SUBSTANCE
	DL(1- 5)	CHROMODACRYORRHEA
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(1- 21)	LOCALIZED ALOPECIA: LIMBS a
	DL(9- 21)	LOCALIZED ALOPECIA: UNDERSIDE a
	DL(10- 20)	CHROMODACRYORRHEA
	DL(19- 21)	INCISORS: MISSING/BROKEN a

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000622

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E23 (PAGE 6): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP III		0.4 MG/KG/DAY
RAT #		DESCRIPTION
13266		NO ADVERSE FINDINGS
13267		NO ADVERSE FINDINGS
13268	DP(71- 74)	INCISORS: MISALIGNED
	DP(72- 74)	CHROMODACRYORRHEA
	DG(0- 2)	CHROMODACRYORRHEA
	DG(0- 20)	INCISORS: MISALIGNED
	DG(3- 8)	LOCALIZED ALOPECIA: HEAD
	DG(9)	ALOPECIA NO LONGER APPARENT
	DG(4)	CHROMODACRYORRHEA
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(20- 21)	INCISORS: MISSING/BROKEN a
13269	DL(1)	RED PERIVAGINAL SUBSTANCE
13270	DP(62- 76)	INCISORS: MISALIGNED
	DP(65- 72)	CHROMODACRYORRHEA
	DG(0- 21)	INCISORS: MISALIGNED
	DL(1)	RED PERIVAGINAL SUBSTANCE
	DL(1- 21)	INCISORS: MISALIGNED a
	DL(9- 21)	INCISORS: MISSING/BROKEN a
13271	DP(56- 74)	INCISORS: MISALIGNED
	DP(58- 61)	CHROMODACRYORRHEA
	DP(69- 74)	CHROMODACRYORRHEA
	DG(0- 21)	CHROMODACRYORRHEA
	DG(0- 21)	INCISORS: MISALIGNED
	DL(1- 21)	CHROMODACRYORRHEA a
	DL(1- 21)	INCISORS: MISALIGNED a
13272	DP(74)	URINE-STAINED ABDOMINAL FUR
	DG(0)	URINE-STAINED ABDOMINAL FUR
13273	DG(21)	RED PERIVAGINAL SUBSTANCE
13274		NO ADVERSE FINDINGS
13275	DL(1)	RED PERIVAGINAL SUBSTANCE

DP = DAY POSTWEANING DG = DAY OF GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

000623

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E24 (PAGE 1): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP I				0 (VEHICLE) MG/KG/DAY							
13201	53.	95.	138.	170.	188.	217.	233.	245.	261.	271.	279.	289.
13202	46.	86.	122.	143.	166.	186.	211.	220.	233.	253.	261.	268.
13203	45.	77.	114.	142.	165.	171.	203.	217.	222.	236.	238.	245.
13204	53.	97.	137.	168.	194.	204.	228.	234.	236.	243.	257.	260.
13205b												
13206	55.	101.	145.	188.	226.	249.	262.	272.	270.	298.	307.	303.
13207	61.	107.	154.	184.	229.	257.	276.	289.	307.	320.	340.	336.
13208	57.	96.	139.	165.	229.	228.	257.	287.	293.	297.	324.	314.
13209	54.	94.	125.	151.	167.	188.	200.	215.	227.	239.	249.	252.
13210	50.	90.	138.	170.	200.	224.	254.	262.	280.	298.	301.	290.
13211	54.	92.	140.	182.	180.	211.	244.	257.	284.	298.	310.	317.
13212	56.	95.	146.	177.	208.	217.	234.	250.	251.	278.	278.	287.
13213	50.	94.	141.	189.	222.	247.	257.	278.	282.	303.	317.	317.
13214	64.	109.	152.	187.	202.	238.	260.	274.	284.	290.	309.	303.
13215	49.	83.	121.	148.	169.	190.	202.	221.	228.	242.	238.	244.
13216	45.	78.	117.	154.	184.	207.	223.	247.	256.	272.	272.	283.
13217	44.	80.	136.	174.	199.	237.	251.	266.	272.	289.	291.	294.
13218	51.	93.	139.	173.	181.	214.	217.	235.	249.	261.	262.	273.
13219	46.	85.	130.	164.	182.	204.	220.	238.	243.	248.	261.	257.
13220	49.	82.	120.	154.	182.	214.	212.	237.	239.	243.	246.	241.
13221	57.	100.	142.	170.	FOUND DEAD ON DAY 28 POSTWEANING							
13222	59.	105.	158.	198.	228.	268.	277.	307.	317.	327.	338.	332.
13223	42.	81.	112.	141.	166.	186.	200.	212.	215.	224.	c	224.
13224	43.	81.	128.	177.	203.	235.	264.	285.	291.	320.	c	329.
13225	44.	87.	134.	169.	192.	208.	218.	227.	230.	233.	c	240.

DAY = DAY POSTWEANING

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.

b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

c. Because body weight values were recorded at weekly intervals, based on each rat's day postweaning, day 64 postweaning was the last day on which the youngest rats (in this group) had a body weight value recorded.

000624

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E24 (PAGE 2): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP II				0.1 MG/KG/DAY							
13226	52.	87.	129.	161.	188.	210.	229.	236.	253.	261.	269.	274.
13227	52.	91.	135.	162.	184.	208.	226.	238.	254.	266.	279.	283.
13228	44.	88.	130.	155.	180.	200.	224.	226.	244.	254.	257.	267.
13229	41.	78.	116.	154.	172.	200.	217.	225.	246.	245.	263.	269.
13230	55.	96.	141.	177.	202.	226.	245.	256.	266.	272.	287.	286.
13231	50.	94.	141.	180.	214.	244.	264.	284.	286.	305.	314.	312.
13232	53.	95.	136.	170.	195.	214.	229.	244.	246.	266.	280.	277.
13233	51.	92.	146.	178.	207.	238.	271.	288.	317.	302.	318.	319.
13234	48.	88.	139.	180.	215.	252.	266.	283.	299.	309.	330.	319.
13235	42.	82.	128.	164.	191.	222.	245.	266.	282.	301.	315.	317.
13236	51.	96.	142.	177.	198.	224.	238.	262.	276.	275.	296.	292.
13237	57.	99.	150.	180.	206.	227.	246.	262.	258.	272.	277.	285.
13238	53.	94.	142.	170.	193.	214.	232.	245.	256.	264.	289.	286.
13239	54.	100.	147.	191.	222.	236.	250.	288.	284.	289.	305.	298.
13240	50.	90.	139.	181.	208.	236.	251.	269.	267.	280.	284.	289.
13241	50.	86.	128.	166.	195.	222.	237.	248.	260.	280.	289.	288.
13242	50.	90.	133.	170.	198.	227.	248.	258.	278.	282.	301.	307.
13243	43.	88.	141.	178.	220.	254.	265.	285.	287.	308.	307.	310.
13244	57.	97.	139.	177.	192.	216.	241.	259.	259.	278.	293.	280.
13245	53.	98.	142.	189.	215.	244.	259.	275.	300.	294.	312.	308.
13246	50.	90.	134.	164.	184.	211.	231.	242.	252.	271.	267.	276.
13247	52.	93.	136.	171.	202.	240.	258.	282.	284.	302.	303.	314.
13248	52.	95.	145.	180.	206.	226.	251.	261.	279.	278.	293.	299.
13249	52.	94.	146.	183.	216.	238.	246.	260.	271.	286.	282.	287.
13250	50.	95.	144.	178.	209.	240.	258.	293.	314.	328.	326.	309.

DAY = DAY POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.

000625

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E24 (PAGE 3): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	8	15	22	29	36	43	50	57	64	71	PRECOHABITATION a
RAT #	DOSAGE GROUP III				0.4 MG/KG/DAY							
13251	46.	102.	153.	187.	220.	246.	266.	279.	301.	312.	323.	325.
13252	43.	83.	128.	175.	183.	209.	227.	244.	255.	257.	274.	270.
13253	42.	91.	137.	162.	193.	203.	230.	228.	241.	252.	262.	255.
13254	47.	92.	138.	168.	172.	194.	211.	223.	233.	233.	252.	252.
13255	46.	90.	133.	172.	197.	214.	246.	258.	280.	286.	291.	303.
13256	46.	88.	124.	153.	189.	207.	228.	247.	251.	275.	281.	279.
13257	50.	92.	139.	187.	224.	254.	288.	301.	316.	340.	344.	353.
13258	52.	95.	133.	173.	200.	220.	249.	257.	265.	275.	283.	287.
13259	50.	93.	133.	163.	190.	212.	234.	247.	252.	266.	272.	277.
13260	49.	86.	130.	162.	199.	231.	252.	266.	267.	284.	299.	296.
13261	53.	87.	131.	162.	192.	212.	233.	249.	259.	264.	266.	270.
13262	51.	92.	136.	177.	197.	224.	250.	264.	284.	284.	300.	293.
13263	48.	90.	142.	179.	204.	228.	245.	250.	263.	268.	264.	275.
13264	45.	83.	122.	150.	173.	203.	208.	230.	230.	236.	246.	242.
13265	52.	97.	143.	179.	201.	229.	260.	283.	300.	307.	291.	302.
13266	47.	82.	123.	163.	188.	212.	236.	249.	269.	284.	284.	294.
13267	48.	86.	126.	153.	172.	201.	214.	231.	240.	253.	256.	257.
13268	46.	89.	130.	162.	185.	207.	216.	230.	236.	243.	250.	242.
13269	58.	97.	136.	159.	173.	195.	212.	230.	240.	265.	280.	279.
13270	50.	93.	139.	165.	199.	235.	243.	258.	273.	277.	276.	284.
13271	47.	90.	124.	152.	169.	194.	218.	229.	235.	244.	247.	246.
13272	62.	115.	165.	203.	236.	255.	270.	293.	308.	310.	311.	313.
13273	57.	102.	143.	173.	204.	231.	244.	253.	267.	285.	294.	292.
13274	42.	86.	129.	165.	185.	210.	231.	234.	257.	252.	276.	266.
13275	40.	78.	125.	168.	203.	218.	236.	246.	246.	255.	b	255.

DAY = DAY POSTWEANING

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Precohabitation body weights were recorded on the day cohabitation was begun in the F1 generation rats; at that time these rats were 85 to 97 days of age.

b. Because body weight values were recorded at weekly intervals, based on each rat's day postweaning, day 64 postweaning was the last day on which the youngest rats (in this group) had a body weight value recorded.

000626

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 1): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
13201 P	284.	298.	298.	304.	308.	311.	308.	308.	316.	319.	327.	328.	332.
13202 P	265.	274.	281.	284.	285.	292.	297.	301.	303.	312.	321.	326.	332.
13203 P	250.	256.	267.	275.	273.	277.	279.	283.	286.	291.	300.	307.	300.
13204 P	257.	246.	270.	275.	280.	285.	287.	294.	300.	299.	307.	316.	319.
13205a													
13206 P	307.	304.	312.	321.	321.	326.	334.	341.	345.	345.	355.	355.	364.
13207 P	324.	330.	340.	344.	358.	357.	365.	371.	377.	381.	381.	385.	394.
13208 P	308.	314.	316.	331.	329.	332.	341.	343.	346.	344.	360.	360.	366.
13209 NP	259.	264.	263.	268.	269.	274.	272.	273.	281.	280.	278.	283.	278.
13210 P	294.	306.	305.	312.	315.	311.	323.	326.	329.	337.	339.	352.	356.
13211 P	304.	315.	323.	322.	330.	335.	347.	349.	353.	362.	361.	374.	379.
13212 P	288.	296.	301.	309.	308.	309.	316.	314.	327.	333.	333.	343.	347.
13213 P	317.	325.	332.	339.	345.	349.	351.	357.	365.	368.	376.	376.	391.
13214 P	301.	309.	318.	323.	322.	332.	330.	336.	346.	347.	356.	361.	368.
13215 P	243.	248.	250.	257.	260.	261.	260.	265.	276.	279.	281.	291.	293.
13216 P	283.	290.	297.	299.	302.	306.	305.	312.	312.	324.	329.	334.	338.
13217 P	309.	316.	318.	324.	326.	327.	334.	340.	340.	342.	348.	349.	359.
13218 P	273.	275.	282.	283.	286.	291.	298.	300.	306.	313.	320.	329.	334.
13219 P	252.	258.	266.	270.	270.	275.	277.	277.	284.	288.	295.	303.	307.
13220 P	246.	261.	268.	273.	279.	282.	285.	290.	288.	292.	293.	297.	304.
13221	FOUND DEAD ON DAY 28 POSTWEANING												
13222 P	336.	338.	351.	352.	348.	352.	359.	365.	364.	373.	379.	378.	387.
13223 P	253.	266.	265.	265.	267.	271.	273.	279.	280.	282.	284.	290.	291.
13224 P	329.	341.	345.	350.	349.	358.	356.	363.	360.	367.	373.	377.	382.
13225 P	234.	244.	253.	256.	260.	263.	266.	270.	273.	278.	280.	283.	290.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000627

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 2): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY									
13201 P	339.	342.	346.	353.	372.	389.	398.	418.	431.				
13202 P	340.	340.	350.	363.	375.	394.	408.	424.					
13203 P	300.	306.	320.	328.	348.	353.	358.	369.	355.				
13204 P	324.	338.	345.	354.	366.	381.	397.	406.	422.				
13205a													
13206 P	370.	375.	387.	390.	399.	412.	427.	432.	428.				
13207 P	392.	406.	416.	416.	443.	447.	476.	496.	498.				
13208 P	366.	377.	379.	373.	362.	390.	404.	423.	403.				
13209 NP	276.	280.	284.	280.	276.	273.	277.	274.	275.	279.	282.	278.	278.
13210 P	360.	367.	372.	393.	410.	416.	432.	453.					
13211 P	385.	388.	391.	394.	406.	420.	424.	424.	431.	439.			
13212 P	354.	361.	370.	372.	390.	404.	414.	433.	442.				
13213 P	386.	393.	403.	415.	433.	445.	464.	472.	477.				
13214 P	362.	370.	382.	390.	407.	422.	430.	446.	462.				
13215 P	300.	303.	312.	327.	343.	362.	379.	389.	398.				
13216 P	342.	347.	350.	354.	366.	389.	407.	417.	433.				
13217 P	362.	362.	376.	384.	392.	407.	422.	439.	458.				
13218 P	340.	346.	352.	356.	369.	386.	405.	411.	431.				
13219 P	313.	317.	322.	325.	342.	363.	375.	393.	402.				
13220 P	302.	312.	314.	322.	337.	351.	358.	378.	396.				
13221	FOUND DEAD ON DAY 28 POSTWEANING												
13222 P	392.	398.	408.	418.	434.	443.	455.	453.	465.				
13223 P	298.	303.	311.	316.	334.	352.	362.	379.	396.				
13224 P	386.	397.	392.	408.	396.	424.	444.	446.	477.				
13225 P	290.	294.	298.	306.	323.	332.	343.	356.	361.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000628

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 3): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
13226 P	270.	273.	280.	282.	286.	289.	294.	294.	298.	305.	306.	319.	324.
13227 P	288.	293.	300.	304.	309.	309.	314.	318.	325.	328.	330.	338.	337.
13228 NP	284.	291.	297.	300.	303.	308.	312.	319.	321.	320.	320.	316.	320.
13229 P	259.	278.	281.	289.	289.	298.	296.	298.	300.	304.	311.	311.	314.
13230 P	286.	294.	299.	304.	307.	309.	316.	321.	324.	334.	338.	345.	346.
13231 P	311.	326.	327.	329.	340.	337.	338.	345.	345.	345.	355.	362.	368.
13232 P	290.	298.	297.	301.	302.	302.	310.	309.	318.	314.	317.	316.	332.
13233 P	316.	328.	334.	334.	338.	340.	332.	319.	332.	345.	350.	362.	360.
13234 P	334.	345.	356.	366.	360.	374.	377.	383.	386.	386.	388.	390.	406.
13235 P	314.	311.	318.	324.	328.	331.	335.	342.	346.	351.	359.	360.	380.
13236 P	295.	308.	314.	323.	323.	318.	330.	327.	330.	338.	345.	338.	354.
13237 P	292.	299.	304.	303.	308.	309.	318.	315.	318.	317.	310.	303.	315.
13238 P	282.	284.	290.	296.	296.	306.	307.	308.	315.	321.	324.	326.	334.
13239 P	299.	301.	312.	312.	314.	318.	325.	328.	329.	332.	340.	346.	342.
13240 P	292.	300.	306.	310.	312.	321.	315.	322.	328.	335.	338.	351.	357.
13241 P	290.	288.	298.	299.	304.	306.	309.	312.	318.	318.	325.	329.	332.
13242 P	301.	312.	321.	326.	333.	330.	332.	332.	342.	343.	350.	358.	364.
13243 NP	305.	314.	317.	321.	321.	326.	321.	327.	332.	332.	336.	340.	342.
13244 NP	297.	286.	280.	289.	290.	288.	288.	295.	300.	298.	291.	301.	287.
13245 NP	MATING NOT CONFIRMED												
13246 P	280.	283.	286.	295.	297.	304.	303.	303.	305.	312.	318.	320.	324.
13247 P	307.	314.	313.	324.	326.	331.	329.	332.	336.	346.	352.	358.	360.
13248 P	302.	312.	311.	316.	318.	322.	328.	319.	331.	326.	338.	347.	349.
13249 P	279.	283.	289.	297.	296.	301.	304.	306.	310.	311.	320.	324.	327.
13250 P	315.	330.	334.	334.	335.	337.	341.	345.	353.	351.	353.	358.	366.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000629

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 4): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY									
13226 P	327.	333.	336.	350.	362.	381.	394.	403.	416.				
13227 P	341.	345.	359.	374.	374.	391.	401.	413.	428.				
13228 NP	321.	308.	300.	297.	304.	304.	298.	301.	305.	303.	294.	289.	294.
13229 P	325.	331.	340.	347.	355.	368.	383.	379.	407.				
13230 P	346.	353.	367.	366.	379.	390.	403.	416.					
13231 P	364.	371.	377.	395.	410.	426.	439.	455.	480.				
13232 P	324.	330.	338.	350.	355.	363.	378.	393.	408.				
13233 P	369.	370.	383.	397.	410.	422.	436.	443.	459.				
13234 P	410.	418.	432.	435.	454.	468.	483.	507.	524.				
13235 P	338.	341.	349.	351.	356.	360.	371.	385.	397.	406.			
13236 P	361.	360.	371.	386.	403.	424.	438.	466.	488.				
13237 P	325.	335.	346.	356.	370.	390.	407.	422.	442.				
13238 P	347.	342.	350.	365.	377.	391.	411.	430.	448.				
13239 P	352.	364.	370.	367.	369.	384.	405.	419.	425.				
13240 P	368.	359.	370.	380.	396.	414.	424.	448.	457.				
13241 P	336.	347.	355.	366.	379.	397.	413.	420.	425.				
13242 P	367.	373.	388.	399.	418.	442.	461.	463.	478.				
13243 NP	352.	342.	347.	340.	334.	339.	332.	332.	324.	320.	325.	324.	320.
13244 NP	288.	291.	298.	302.	309.	316.	317.	317.	320.	326.	321.	319.	317.
13245 NP	MATING NOT CONFIRMED												
13246 P	335.	330.	340.	345.	360.	371.	382.	397.	414.				
13247 P	361.	363.	371.	383.	397.	420.	420.	432.	448.				
13248 P	358.	368.	369.	377.	391.	410.	422.	436.	458.				
13249 P	334.	341.	350.	360.	380.	401.	403.	417.	440.				
13250 P	368.	374.	383.	395.	408.	421.	435.	445.	464.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000630

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 5): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 0	1	2	3	4	5	6	7	8	9	10	11	12
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
13251 P	321.	326.	329.	334.	339.	343.	342.	343.	351.	357.	365.	366.	370.
13252 P	276.	290.	290.	297.	297.	302.	306.	309.	310.	314.	316.	327.	327.
13253 P	266.	273.	276.	279.	284.	288.	293.	299.	304.	311.	313.	322.	323.
13254 P	261.	268.	278.	282.	283.	285.	293.	293.	300.	304.	311.	315.	314.
13255 P	294.	305.	305.	303.	309.	311.	311.	311.	317.	322.	329.	328.	337.
13256 P	277.	289.	298.	302.	305.	309.	310.	312.	314.	317.	324.	328.	328.
13257 P	350.	355.	360.	363.	364.	370.	370.	375.	384.	383.	389.	399.	400.
13258 P	282.	294.	300.	304.	308.	311.	314.	318.	322.	325.	330.	337.	343.
13259 P	269.	282.	282.	287.	290.	294.	292.	295.	304.	306.	308.	312.	315.
13260 P	293.	311.	310.	318.	323.	335.	331.	339.	345.	348.	354.	363.	367.
13261 P	261.	250.	280.	277.	275.	289.	287.	290.	290.	298.	300.	309.	316.
13262 P	292.	299.	308.	312.	313.	318.	314.	318.	319.	329.	331.	340.	343.
13263 P	272.	279.	285.	286.	294.	293.	300.	298.	302.	311.	316.	321.	329.
13264 P	243.	252.	256.	260.	261.	265.	270.	273.	271.	280.	279.	286.	292.
13265 P	299.	304.	315.	324.	323.	330.	326.	335.	328.	337.	339.	348.	348.
13266 P	282.	300.	302.	308.	311.	314.	315.	321.	326.	329.	337.	342.	340.
13267 P	255.	266.	272.	272.	271.	275.	277.	280.	286.	283.	285.	294.	301.
13268 P	250.	254.	261.	259.	265.	260.	268.	269.	271.	277.	280.	291.	286.
13269 P	277.	283.	296.	294.	288.	294.	298.	294.	298.	300.	304.	309.	309.
13270 P	290.	296.	306.	310.	316.	314.	322.	319.	326.	328.	338.	338.	341.
13271 P	254.	265.	257.	261.	272.	273.	275.	277.	278.	285.	285.	298.	306.
13272 P	314.	321.	332.	336.	330.	338.	347.	348.	356.	355.	363.	367.	372.
13273 P	286.	290.	299.	299.	309.	312.	315.	313.	322.	324.	338.	341.	338.
13274 NP	272.	274.	286.	287.	286.	286.	290.	293.	296.	299.	301.	308.	313.
13275 P	253.	262.	272.	274.	276.	282.	289.	288.	293.	301.	301.	314.	319.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000631

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E25 (PAGE 6): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAY 13	14	15	16	17	18	19	20	21	22	23	24	25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY									
13251 P	373.	383.	398.	401.	413.	426.	447.	462.	475.				
13252 P	327.	329.	338.	349.	359.	365.	372.	391.					
13253 P	332.	342.	343.	355.	373.	386.	406.	424.	427.				
13254 P	318.	325.	334.	349.	356.	371.	384.	407.					
13255 P	339.	342.	354.	366.	383.	402.	419.	432.	447.				
13256 P	336.	339.	340.	350.	357.	374.	391.	409.	418.	431.			
13257 P	411.	408.	419.	431.	444.	468.	473.	497.	515.				
13258 P	348.	356.	360.	369.	380.	402.	417.	435.	447.				
13259 P	320.	325.	331.	335.	349.	362.	386.	399.	404.				
13260 P	374.	372.	377.	384.	405.	423.	432.	457.	468.				
13261 P	316.	324.	330.	340.	356.	371.	391.	409.	422.				
13262 P	346.	354.	365.	370.	374.	393.	405.	417.	427.				
13263 P	330.	340.	340.	349.	362.	380.	388.	384.	404.				
13264 P	293.	296.	304.	318.	330.	344.	358.	374.	390.				
13265 P	360.	366.	370.	382.	392.	401.	415.	422.	420.				
13266 P	342.	345.	353.	360.	380.	402.	412.	426.	447.				
13267 P	298.	304.	314.	323.	345.	354.	363.	383.					
13268 P	291.	304.	306.	317.	326.	342.	351.	366.					
13269 P	320.	321.	326.	346.	362.	372.	390.	401.	412.				
13270 P	348.	357.	359.	378.	399.	399.	425.	437.	445.				
13271 P	311.	318.	308.	313.	328.	352.	363.	369.	385.				
13272 P	380.	384.	394.	412.	428.	455.	467.	488.	512.				
13273 P	342.	351.	356.	365.	379.	399.	420.	434.	454.				
13274 NP	312.	314.	320.	315.	311.	303.	305.	308.	293.	288.	297.	295.	290.
13275 P	320.	331.	330.	345.	355.	372.	391.	401.	419.				

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAY = DAY OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000632

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E26 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	4	7	14	21
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY	
13201	310.	303.	330.	380.	346.
13202	325.	314.	328.	364.	329.
13203	275.	282.	284.	318.	283.
13204	303.	299.	299.	317.	298.
13205a					
13206	361.	366.	368.	374.	366.
13207	352.	365.	375.	402.	374.
13208	300.	345.	321.	372.	345.
13209	NOT PREGNANT				
13210	365.	354.	364.	388.	368.
13211	373.	367.	361.	374.	351.
13212	336.	327.	348.	365.	351.
13213	374.	380.	378.	409.	370.
13214	331.	340.	340.	371.	348.
13215	294.	299.	292.	332.	276.
13216	307.	321.	317.	361.	332.
13217	334.	338.	351.	363.	361.
13218	334.	338.	327.	371.	338.
13219	292.	282.	292.	317.	326.
13220	276.	288.	308.	329.	322.
13221	FOUND DEAD ON DAY 28 POSTWEANING				
13222	382.	369.	372.	386.	380.
13223	285.	301.	304.	330.	289.
13224	377.	361.	351.	366.	372.
13225	279.	276.	284.	306.	311.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000633

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E26 (PAGE 2): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	4	7	14	21
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY	
13226	316.	314.	325.	339.	347.
13227	335.	324.	323.	342.	327.
13228	NOT PREGNANT				
13229	312.	301.	312.	335.	332.
13230	349.	344.	340.	361.	355.
13231	362.	363.	365.	375.	370.
13232	313.	313.	325.	355.	350.
13233	353.	357.	362.	415.	401.
13234	371.	382.	394.	409.	388.
13235	327.	314.	330.	355.	345.
13236	335.	356.	364.	379.	363.
13237	337.	360.	357.	366.	378.
13238	333.	347.	334.	384.	349.
13239	314.	317.	328.	373.	343.
13240	352.	336.	340.	351.	350.
13241	324.	323.	334.	358.	350.
13242	347.	356.	328.	388.	363.
13243	NOT PREGNANT				
13244	NOT PREGNANT				
13245	NOT PREGNANT				
13246	315.	328.	327.	344.	336.
13247	337.	348.	343.	372.	338.
13248	324.	331.	347.	396.	371.
13249	326.	324.	325.	366.	358.
13250	347.	350.	342.	371.	362.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).

000634

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E26 (PAGE 3): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAY	1	4	7	14	21
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY	
13251	378.	362.	370.	393.	376.
13252	322.	314.	323.	338.	331.
13253	319.	315.	314.	356.	342.
13254	304.	312.	316.	344.	326.
13255	304.	303.	308.	339.	356.
13256	322.	327.	339.	366.	349.
13257	399.	381.	368.	a	
13258	333.	328.	336.	349.	334.
13259	327.	309.	330.	356.	354.
13260	332.	338.	348.	398.	363.
13261	306.	316.	311.	322.	325.
13262	344.	325.	327.	361.	342.
13263	305.	300.	312.	340.	327.
13264	282.	277.	288.	321.	317.
13265	355.	345.	332.	360.	328.
13266	310.	308.	316.	350.	342.
13267	284.	277.	278.	321.	316.
13268	284.	277.	286.	315.	332.
13269	312.	311.	315.	334.	341.
13270	339.	336.	340.	362.	364.
13271	296.	295.	316.	354.	340.
13272	348.	354.	358.	398.	379.
13273	326.	326.	332.	380.	319.
13274	NOT PREGNANT				
13275	331.	315.	317.	348.	348.

DAY = DAY OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Dam 13257 was found dead on day 10 of lactation.

000635

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E27 (PAGE 1): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY					
13201	102.	133.	141.	134.	139.	140.	144.	142.	143.
13202	88.	107.	100.	117.	122.	127.	131.	142.	140.
13203	68.	119.	123.	135.	117.	127.	145.	145.	142.
13204	105.	134.	140.	136.	135.	160.	144.	234.	154.
13205b									
13206	102.	135.	144.	160.	170.	147.	146.	150.	166.
13207	96.	131.	c	161.	157.	161.	164.	170.	157.
13208	94.	134.	143.	172.	138.	133.	172.	173.	139.
13209	95.	121.	121.	122.	107.	119.	133.	133.	123.
13210	91.	139.	154.	162.	170.	d	206.	230.	177.
13211	89.	129.	150.	84.	169.	172.	166.	173.	164.
13212	90.	128.	153.	148.	149.	142.	136.	147.	174.
13213	102.	144.	172.	169.	152.	158.	170.	169.	161.
13214	107.	139.	144.	139.	138.	166.	d	166.	152.
13215	93.	d	123.	120.	112.	142.	148.	129.	134.
13216	87.	125.	142.	146.	132.	165.	169.	147.	152.
13217	79.	121.	142.	145.	144.	160.	157.	153.	148.
13218	104.	146.	152.	139.	152.	211.	191.	143.	141.
13219	93.	133.	142.	143.	126.	168.	173.	155.	142.
13220	97.	134.	140.	148.	148.	236.	209.	167.	147.
13221	99.	131.	141.	FOUND DEAD ON DAY 28 POSTWEANING					
13222	105.	146.	171.	165.	173.	169.	166.	177.	166.
13223	97.	129.	136.	142.	142.	139.	133.	154.	124.
13224	93.	139.	159.	158.	166.	174.	180.	184.	182.
13225	107.	153.	161.	153.	146.	143.	150.	164.	131.

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.
c. Wet feed precluded the calculation of this value.
d. Spilled feed precluded the calculation of this value.

000636

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E27 (PAGE 2): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAYS 1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 - 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY					
13226	81.	111.	131.	133.	131.	128.	126.	138.	127.
13227	94.	133.	135.	134.	139.	135.	142.	154.	147.
13228	87.	132.	130.	132.	136.	149.	139.	155.	154.
13229	86.	123.	140.	127.	142.	196.	133.	149.	137.
13230	98.	134.	153.	149.	146.	149.	152.	174.	149.
13231	87.	124.	141.	148.	154.	154.	160.	155.	138.
13232	93.	119.	139.	138.	128.	135.	133.	146.	138.
13233	96.	144.	157.	168.	167.	193.	179.	191.	157.
13234	94.	136.	157.	167.	175.	179.	175.	202.	182.
13235	88.	126.	141.	150.	151.	165.	172.	170.	167.
13236	92.	129.	140.	136.	135.	142.	159.	155.	136.
13237	101.	136.	142.	141.	137.	137.	150.	218.	134.
13238	105.	145.	147.	147.	147.	155.	177.	193.	156.
13239	111.	154.	168.	175.	175.	166.	205.	167.	147.
13240	104.	141.	160.	160.	159.	184.	175.	156.	160.
13241	84.	115.	139.	144.	134.	191.	175.	146.	153.
13242	96.	143.	154.	153.	147.	185.	166.	161.	154.
13243	101.	142.	164.	174.	169.	200.	181.	168.	158.
13244	99.	127.	141.	132.	129.	156.	151.	157.	228.
13245	105.	145.	167.	162.	150.	223.	192.	174.	153.
13246	89.	132.	146.	136.	135.	226.	211.	160.	171.
13247	103.	147.	159.	167.	179.	191.	217.	178.	181.
13248	98.	133.	163.	148.	159.	213.	b	181.	165.
13249	113.	145.	156.	164.	147.	153.	155.	152.	157.
13250	96.	138.	149.	160.	182.	162.	175.	123.	166.

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.

000637

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E27 (PAGE 3): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

	DAYS 1 - 8	8 - 15	15 - 22	22 - 29	29 - 36	36 - 43	43 - 50	50 - 57	57 - 64a
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY					
13251	87.	139.	158.	159.	157.	151.	161.	169.	164.
13252	79.	121.	124.	130.	136.	140.	141.	138.	141.
13253	95.	140.	145.	145.	129.	136.	129.	128.	134.
13254	95.	154.	149.	128.	124.	128.	132.	142.	127.
13255	94.	136.	151.	152.	140.	170.	170.	175.	148.
13256	87.	113.	125.	136.	131.	130.	139.	128.	138.
13257	69.	124.	161.	164.	172.	175.	184.	191.	181.
13258	80.	103.	137.	143.	147.	155.	150.	144.	151.
13259	85.	125.	137.	133.	132.	146.	133.	138.	143.
13260	94.	124.	146.	161.	169.	170.	170.	164.	162.
13261	89.	116.	130.	138.	132.	146.	145.	141.	134.
13262	100.	136.	149.	146.	146.	155.	169.	173.	143.
13263	97.	136.	156.	153.	143.	189.	b	149.	140.
13264	87.	113.	128.	126.	130.	142.	148.	137.	127.
13265	78.	132.	146.	155.	153.	194.	193.	186.	161.
13266	85.	121.	139.	137.	131.	182.	188.	171.	158.
13267	88.	113.	126.	132.	131.	143.	172.	148.	137.
13268	82.	135.	146.	145.	139.	154.	163.	150.	142.
13269	107.	136.	145.	134.	162.	245.	240.	177.	196.
13270	102.	144.	151.	155.	159.	210.	166.	179.	197.
13271	90.	161.	175.	120.	139.	194.	138.	144.	112.
13272	114.	148.	167.	164.	167.	180.	170.	188.	168.
13273	65.	177.	b	156.	b	164.	178.	164.	164.
13274	97.	134.	148.	152.	156.	182.	221.	166.	150.
13275	64.	130.	156.	173.	157.	155.	162.	122.	c

DAYS = DAYS POSTWEANING
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Last value recorded before cohabitation.
b. Spilled feed precluded the calculation of this value.
c. Value was not recorded.

000638

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E28 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 7	7 - 10	10 - 14	14 - 17	17 - 20	20 - 25
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY		
13201 P	161.	72.	88.	71.	66.	
13202 P	161.	80.	106.	90.	73.	
13203 P	172.	74.	92.	78.	54.	
13204 P	169.	82.	113.	86.	72.	
13205a						
13206 P	178.	87.	114.	97.	94.	
13207 P	201.	93.	108.	90.	87.	
13208 P	170.	77.	103.	71.	67.	
13209 NP	133.	58.	74.	57.	42.	76.
13210 P	188.	88.	133.	101.	86.	
13211 P	199.	94.	131.	93.	81.	
13212 P	175.	86.	111.	98.	92.	
13213 P	208.	98.	116.	94.	81.	
13214 P	167.	83.	100.	80.	58.	
13215 P	147.	72.	104.	96.	84.	
13216 P	176.	80.	98.	72.	76.	
13217 P	175.	84.	98.	74.	71.	
13218 P	169.	80.	110.	80.	79.	
13219 P	166.	75.	98.	80.	82.	
13220 P	184.	80.	107.	71.	67.	
13221	FOUND DEAD ON DAY 28 POSTWEANING					
13222 P	194.	86.	121.	102.	89.	
13223 P	163.	55.	86.	70.	74.	
13224 P	199.	89.	127.	63.	67.	
13225 P	166.	80.	99.	78.	66.	

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000639

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E28 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	RAT #	DOSAGE GROUP II	0 - 7	7 - 10	10 - 14	14 - 17	17 - 20	20 - 25
			0.1 MG/KG/DAY					
P	13226		156.	74.	107.	82.	79.	
P	13227		172.	73.	101.	64.	62.	
NP	13228		181.	83.	83.	36.	46.	70.
P	13229		158.	65.	105.	72.	71.	
P	13230		171.	82.	104.	66.	69.	
P	13231		166.	75.	97.	81.	71.	
P	13232		156.	63.	92.	60.	61.	
P	13233		167.	74.	107.	92.	83.	
P	13234		219.	105.	128.	86.	89.	
P	13235		179.	91.	72.	45.	43.	
P	13236		184.	80.	92.	84.	76.	
P	13237		158.	46.	88.	77.	91.	
P	13238		163.	81.	103.	92.	87.	
P	13239		181.	86.	104.	65.	75.	
P	13240		194.	92.	120.	87.	83.	
P	13241		157.	72.	93.	81.	78.	
P	13242		193.	85.	114.	95.	85.	
NP	13243		166.	74.	105.	65.	42.	62.
NP	13244		147.	66.	62.	67.	64.	101.
NP	13245		MATING NOT CONFIRMED					
P	13246		180.	74.	94.	75.	72.	
P	13247		193.	89.	113.	91.	75.	
P	13248		a	85.	115.	80.	76.	
P	13249		153.	68.	95.	84.	74.	
P	13250		199.	93.	108.	80.	77.	

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

000640

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E28 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

PREGNANCY STATUS	DAYS 0 - 7	7 - 10	10 - 14	14 - 17	17 - 20	20 - 25
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY		
13251 P	161.	82.	102.	89.	87.	
13252 P	163.	71.	90.	68.	54.	
13253 P	179.	86.	126.	73.	91.	
13254 P	181.	75.	104.	72.	81.	
13255 P	146.	70.	89.	78.	74.	
13256 P	164.	68.	86.	70.	79.	
13257 P	180.	86.	114.	91.	87.	
13258 P	172.	81.	109.	82.	90.	
13259 P	145.	68.	89.	75.	73.	
13260 P	200.	98.	a	96.	82.	
13261 P	141.	67.	91.	76.	81.	
13262 P	163.	75.	99.	83.	81.	
13263 P	170.	78.	103.	76.	53.	
13264 P	156.	68.	88.	76.	61.	
13265 P	172.	76.	114.	104.	102.	
13266 P	177.	77.	94.	80.	70.	
13267 P	146.	58.	91.	75.	58.	
13268 P	141.	71.	96.	72.	70.	
13269 P	178.	72.	97.	94.	81.	
13270 P	197.	80.	114.	95.	68.	
13271 P	154.	60.	96.	67.	75.	
13272 P	191.	86.	108.	88.	77.	
13273 P	182.	93.	100.	81.	85.	
13274 NP	181.	77.	106.	85.	68.	72.
13275 P	176.	81.	104.	77.	77.	

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
DAYS = DAYS OF PRESUMED GESTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. Spilled feed precluded the calculation of this value.

000641

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E29 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP I			0 (VEHICLE) MG/KG/DAY
13201	73.	119.	161.	260.
13202	68.	108.	163.	263.
13203	100.	114.	135.	225.
13204	83.	92.	145.	217.
13205b				
13206	65.	100.	134.	189.
13207	87.	120.	166.	235.
13208	102.	87.	134.	238.
13209	NOT PREGNANT			
13210	142.	113.	158.	249.
13211	60.	79.	113.	172.
13212	74.	112.	158.	225.
13213	85.	112.	159.	229.
13214	85.	123.	157.	259.
13215	98.	122.	163.	242.
13216	106.	125.	183.	268.
13217	89.	124.	164.	231.
13218	105.	103.	143.	228.
13219	55.	105.	155.	228.
13220	85.	133.	162.	263.
13221	FOUND DEAD ON DAY 28 POSTWEANING			
13222	67.	110.	139.	230.
13223	111.	128.	163.	121.
13224	73.	87.	133.	205.
13225	112.	118.	137.	225.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000642

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E29 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP II			0.1 MG/KG/DAY
13226	72.	110.	152.	245.
13227	67.	102.	138.	231.
13228	NOT PREGNANT			
13229	86.	113.	151.	255.
13230	63.	98.	145.	221.
13231	109.	145.	165.	262.
13232	76.	135.	144.	252.
13233	104.	123.	159.	266.
13234	90.	127.	159.	247.
13235	69.	105.	134.	222.
13236	108.	127.	161.	250.
13237	116.	120.	154.	245.
13238	114.	134.	179.	274.
13239	82.	134.	49.	308.
13240	87.	88.	308.	228.
13241	b	103.	138.	221.
13242	112.	112.	180.	279.
13243	NOT PREGNANT			
13244	NOT PREGNANT			
13245	NOT PREGNANT			
13246	100.	123.	174.	242.
13247	78.	93.	121.	178.
13248	b	197.	184.	260.
13249	84.	105.	144.	208.
13250	98.	104.	147.	215.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Spilled feed precluded the calculation of this value.

000643

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E29 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DAYS	1 - 4	4 - 7	7 - 10	10 - 14a
RAT #	DOSAGE GROUP III			0.4 MG/KG/DAY
13251	75.	110.	159.	240.
13252	67.	92.	122.	201.
13253	73.	101.	157.	248.
13254	56.	160.	114.	188.
13255	65.	103.	118.	198.
13256	93.	128.	169.	259.
13257	65.	100.	b	b
13258	88.	120.	152.	255.
13259	89.	113.	156.	216.
13260	95.	115.	180.	267.
13261	82.	82.	108.	143.
13262	36.	77.	103.	208.
13263	89.	117.	123.	226.
13264	82.	113.	138.	224.
13265	65.	72.	119.	188.
13266	67.	96.	147.	198.
13267	68.	88.	132.	210.
13268	62.	99.	147.	220.
13269	98.	111.	107.	259.
13270	77.	128.	161.	246.
13271	79.	110.	135.	235.
13272	80.	134.	177.	283.
13273	86.	112.	163.	252.
13274	NOT PREGNANT			
13275	74.	101.	132.	203.

DAYS = DAYS OF LACTATION
ALL WEIGHTS WERE RECORDED IN GRAMS (G).
a. It is presumed that the pups begin to consume the maternal feed after day 14 of lactation.
b. Dam 13257 was found dead on day 10 of lactation.

000644

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E30 (PAGE 1): SEXUAL MATURATION - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP	I		II		III	
DOSAGE (MG/KG/DAY)	0 (VEHICLE)		0.1		0.4	
	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)	RAT #	VAGINAL PATENCY (DAY)
	13201	30	13226	36	13251	30
	13202	30	13227	34	13252	30
	13203	31	13228	31	13253	30
	13204	32	13229	32	13254	30
	13205	a	13230	31	13255	30
	13206	31	13231	33	13256	32
	13207	30	13232	32	13257	29
	13208	30	13233	31	13258	29
	13209	30	13234	30	13259	32
	13210	30	13235	34	13260	31
	13211	32	13236	28	13261	31
	13212	30	13237	29	13262	29
	13213	32	13238	29	13263	30
	13214	28	13239	32	13264	33
	13215	29	13240	30	13265	31
	13216	31	13241	34	13266	30
	13217	31	13242	31	13267	28
	13218	34	13243	28	13268	33
	13219	30	13244	31	13269	30
	13220	33	13245	30	13270	30
	13221	30	13246	30	13271	31
	13222	29	13247	29	13272	32
	13223	34	13248	30	13273	29
	13224	35	13249	30	13274	29
	13225	34	13250	33	13275	33

DAY = DAY POSTPARTUM

a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

PROTOCOL 418 008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E31 (PAGE 1): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13201	4	4	18	3	8
13202	4	10	57	3	59
13203	4	9	45	3	51
13204	9	5	9	6	9
13205c					
13206	6	14	19	2	60
13207	5	6	8	3	23
13208	11	2	15	15	12
13210	5	20	60	3	31
13211	6	2	27	4	60
13212	4	7	32	2	60
13213	4	18	49	3	33
13214d	15	10	13	12	60
13215	5	12	13	3	15
13216	5	8	9	3	40
13217	8	4	8	5	5
13218	10	5	8	3	4
13219	5	3	10	9	5
13220	10	3	4	3	3
13221	4	9	31	3	31
13222	4	8	20	3	5
13223	4	12	51	3	9
13224	10	4	4	3	22

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.
d. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) were excluded from group averages and statistical analyses.

000646

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E31 (PAGE 2): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13226	5	10	60	2	60
13227	6	5	21	3	22
13228	11	7	35	8	60
13229	6	7	3	3	12
13230	5	8	33	15	1
13231	4	7	17	2	60
13232	4	13	30	3	8
13233	4	6	21	3	11
13234	4	10	9	3	8
13235	4	3	9	3	36
13236	11	5	8	2	60
13237	5	7	5	3	16
13238	4	5	18	2	60
13239	7	3	11	3	59
13240	4	11	60c	3	19
13241	4	4	31	2	60
13242	5	14	9	2	60
13243	3	6	60	3	13
13244	4	5	39	3	11
13245	4	14	8	3	23
13246	4	6	25	2	60
13247	5	3	12	2	60
13248	7	2	3	2	60
13249	5	5	60	2	60
13250	4	12	52	4	60

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. Maximum interval elapsed after the rat had entered the dark compartment. Shock was delivered and the trial was not counted towards the criterion.

000427

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E31 (PAGE 3): PASSIVE AVOIDANCE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a LATENCY b TRIAL 1	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a LATENCY b TRIAL 1
13251	5	4	60	2	60
13252	5	13	60	3	9
13254	4	16	14	3	10
13255	4	4	52	3	9
13256	5	24	60	2	60
13258	4	10	20	2	60
13259	4	17	35	3	38
13260	4	12	26	2	60
13261	6	5	21	2	60
13262	6	10	6	2	60
13263	6	4	45	2	60
13264	4	6	26	3	57
13265	5	10	11	3	58
13266	5	21	16	4	13
13268	7	2	3	4	12
13269	5	2	11	2	60
13270	5	6	9	2	60
13271	6	3	17	7	4
13272	4	8	8	2	60
13273	5	9	9	2	60
13274	7	60	11	3	4
13275	5	3	10	3	12

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

000648

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E32 (PAGE 1): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
13201	14	0.57	16	6	0.17	15
13202	13	0.92	14	10	0.20	18
13203c	15	0.53	11	8	0.25	11
13204	13	1.23	22	5	0.00	9
13206	11	0.27	18	5	0.00	6
13207	14	0.43	14	10	0.50	45
13208	9	0.33	5	5	0.00	14
13210	9	0.33	5	7	0.43	4
13211	9	0.33	11	14	0.21	19
13212	11	0.82	14	6	0.17	11
13213	9	0.89	34	5	0.00	7
13214	6	0.17	7	5	0.00	9
13215	11	0.45	5	5	0.00	4
13216	9	0.33	6	5	0.00	7
13217c	15	0.33	5	7	0.43	13
13218	8	0.25	9	7	0.14	9
13219	8	0.25	7	11	0.18	7
13220	11	0.36	7	5	0.00	5
13222	13	0.85	23	15	0.53	39
13223	13	0.54	11	6	0.33	31
13224c	15	0.53	13	5	0.00	5

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) excluded from group averages and statistical analyses.

000649

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E32 (PAGE 2): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP II 0.1 MG/KG/DAY

RAT NUMBER	SESSION 1a TRIALS TO CRITERION	SESSION 1a ERRORS/ TRIAL	SESSION 1a LATENCY b TRIAL 2	SESSION 2a TRIALS TO CRITERION	SESSION 2a ERRORS/ TRIAL	SESSION 2a LATENCY b TRIAL 1
13226	12	0.50	20	13	0.46	10
13227	8	0.25	6	13	0.23	19
13228	10	0.30	6	6	0.17	11
13229	7	0.57	16	10	0.20	7
13230c	15	0.67	13	15	0.67	21
13231	11	0.45	10	7	0.14	6
13232	8	0.25	7	6	0.33	23
13233	6	0.17	12	5	0.00	7
13234	8	0.62	20	10	0.30	8
13235	6	0.17	7	5	0.00	6
13236	10	0.20	10	5	0.00	7
13237	8	0.50	18	7	0.14	8
13238	8	0.38	11	15	0.47	23
13239	11	0.54	15	9	0.11	5
13240	11	0.27	8	5	0.00	6
13241	12	0.58	18	6	0.17	11
13242c	15	0.27	6	6	0.50	31
13243	6	0.17	11	10	0.20	14
13244c	15	0.67	15	8	0.38	14
13245	12	0.50	41	5	0.00	8
13246	10	0.30	6	6	0.17	18
13247	7	0.28	14	7	0.14	9
13248	6	0.17	5	5	0.00	4
13249	10	0.60	11	6	0.17	12
13250	12	0.67	18	5	0.00	6

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.

b. The latency was recorded in seconds.

c. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) excluded from group averages and statistical analyses.

000650

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E32 (PAGE 3): WATERMAZE PERFORMANCE - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP III 0.4 MG/KG/DAY

	SESSION 1a			SESSION 2a		
RAT NUMBER	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 2	TRIALS TO CRITERION	ERRORS/ TRIAL	LATENCY b TRIAL 1
13251	8	0.38	20	5	0.00	9
13252	15	0.60	7	5	0.00	9
13254c	15	0.93	17	6	0.17	13
13255	12	0.25	13	12	0.33	12
13256	14	0.57	8	6	0.33	17
13258	10	0.20	10	5	0.00	6
13259	12	0.42	8	6	0.17	11
13260c	15	1.27	37	11	0.27	35
13261	12	0.42	18	5	0.00	10
13262	10	0.50	8	5	0.00	7
13263	11	0.54	17	6	0.17	17
13264	11	0.73	25	d	d	d
13265	9	0.22	13	7	0.28	8
13266	9	0.56	10	9	0.11	10
13268	14	0.50	30	7	0.43	12
13269	12	0.50	9	5	0.00	8
13270	14	0.36	16	6	0.17	15
13271	6	0.17	5	7	0.71	7
13272	11	0.18	5	5	0.00	8
13273	13	0.77	14	5	0.00	10
13274	15	0.60	14	8	0.38	16

SESSION = TEST SESSION

a. Sessions 1 (Learning Phase) and 2 (Retention Phase) of testing were separated by a one-week interval.
b. The latency was recorded in seconds.
c. Rat did not meet the criterion in Session 1 (Learning Phase); values for Session 2 (Retention Phase) excluded from group averages and statistical analyses.
d. Values were not recorded.

000651

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E33 (PAGE 1): DAYS IN COHABITATION INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP	I		II		III	
DOSAGE (MG/KG/DAY)	0 (VEHICLE)		0.1		0.4	
	RAT #	DAYS IN COHABITATION	RAT #	DAYS IN COHABITATION	RAT #	DAYS IN COHABITATION
	13201	3	13226	2	13251	1
	13202	3	13227	5	13252	4
	13203	4	13228	7a	13253	7
	13204	1	13229	5	13254	5
	13205	b	13230	6	13255	2
	13206	1	13231	4	13256	1
	13207	1	13232	5	13257	3
	13208	1	13233	2	13258	1
	13209	4	13234	8	13259	2
	13210	4	13235	1	13260	3
	13211	2	13236	3	13261	1
	13212	1	13237	7	13262	1
	13213	3	13238	3	13263	2
	13214	4	13239	1	13264	4
	13215	2	13240	3	13265	1
	13216	2	13241	1	13266	3
	13217	8	13242	2	13267	4
	13218	2	13243	3	13268	2
	13219	1	13244	2	13269	4
	13220	9	13245	14c	13270	4
	13221	d	13246	3	13271	2
	13222	2	13247	3	13272	3
	13223	14	13248	3	13273	2
	13224	7	13249	3	13274	1
	13225	4	13250	2	13275	2

a. The first cohabitation consisted of six days and mating occurred during the second cohabitation.
b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.
c. Mating not confirmed.
d. Rat 13221 was found dead on day 28 postweaning.

000652

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E34 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
I 0 (VEHICLE)	13201	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13202	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13203	DL 21	P	120	KIDNEYS: LEFT, CORTEX, ROUGH AND PITTED; RIGHT, PELVIS, ONE CALCULUS (1.0 CM X 0.5 CM X 0.5 CM). URINARY BLADDER: ONE CALCULUS (0.75 CM X 0.50 CM X 0.30 CM). ALL OTHER TISSUES APPEARED NORMAL.
	13204	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13205b	DP 7	-	7	SACRIFICED ON DAY 7 POSTWEANING. ALL TISSUES APPEARED NORMAL.
	13206	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13207	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13208	DL 21	P	117	KIDNEYS: BILATERAL, CORTEX, PITTED; PELVIS, TAN, GRANULAR MATERIAL. URINARY BLADDER: WALLS THICKENED, ONE CALCULUS, (1.0 CM IN DIAMETER). ALL OTHER TISSUES APPEARED NORMAL.
	13209	DG 25	NP	102	ALL TISSUES APPEARED NORMAL.
	13210	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13211	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13212	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13213	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13214	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13215	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13216	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13217	DL 21	P	121	ALL TISSUES APPEARED NORMAL.
	13218	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13219	DL 21	P	114	ALL TISSUES APPEARED NORMAL.
	13220	DL 21	P	122	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table E23) for external observations confirmed at necropsy.
b. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000653

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E34 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
I (Cont.)					
0 (VEHICLE)	13221	DP 28	-	27	FOUND DEAD ON DAY 28 POSTWEANING. ALL TISSUES APPEARED NORMAL.
	13222	DL 21	P	113	ALL TISSUES APPEARED NORMAL.
	13223	DL 21	P	125	ALL TISSUES APPEARED NORMAL.
	13224	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13225	DL 21	P	115	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table E23) for external observations confirmed at necropsy.

C00654

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E34 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
II					
0.1	13226	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13227	DL 21	P	122	ALL TISSUES APPEARED NORMAL.
	13228	DG 25	NP	108	ALL TISSUES APPEARED NORMAL.
	13229	DL 21	P	121	ALL TISSUES APPEARED NORMAL.
	13230	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13231	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13232	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13233	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13234	DL 21	P	122	ALL TISSUES APPEARED NORMAL.
	13235	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13236	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13237	DL 21	P	121	ALL TISSUES APPEARED NORMAL.
	13238	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13239	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13240	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13241	DL 21	P	114	ALL TISSUES APPEARED NORMAL.
	13242	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13243	DG 25	NP	100	ALL TISSUES APPEARED NORMAL.
	13244	DG 25	NP	100	ALL TISSUES APPEARED NORMAL.
	13245	DP 112	NP	112	ALL TISSUES APPEARED NORMAL.
	13246	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13247	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13248	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13249	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13250	DL 21	P	115	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table E23) for external observations confirmed at necropsy.

000655

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E34 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSAGES ADMINISTERED	OBSERVATIONS a
III					
0.4	13251	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13252	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13253	DL 21	P	124	ALL TISSUES APPEARED NORMAL.
	13254	DL 21	P	120	ALL TISSUES APPEARED NORMAL.
	13255	DL 21	P	119	ALL TISSUES APPEARED NORMAL.
	13256	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13257	DL 10	P	106	FOUND DEAD ON DAY 10 OF LACTATION (DEATH OCCURRED OVERNIGHT). THORACIC CAVITY: CONTAINED 2 ML OF LIGHT ORANGE FLUID. TRACHEA: WHITE FOAM. LUNGS: DARK RED IN COLOR. ALL OTHER TISSUES APPEARED NORMAL.
	13258	DL 21	P	117	ALL TISSUES APPEARED NORMAL.
	13259	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13260	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13261	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13262	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13263	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13264	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13265	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13266	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13267	DL 21	P	116	ALL TISSUES APPEARED NORMAL.
	13268	DL 21	P	114	ALL TISSUES APPEARED NORMAL.
	13269	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13270	DL 21	P	118	ALL TISSUES APPEARED NORMAL.
	13271	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13272	DL 21	P	115	ALL TISSUES APPEARED NORMAL.
	13273	DL 21	P	114	ALL TISSUES APPEARED NORMAL.
	13274	DG 25	NP	96	ALL TISSUES APPEARED NORMAL.
	13275	DL 21	P	106	ALL TISSUES APPEARED NORMAL.

DP = DAY POSTWEANING DG = DAY OF (PRESUMED) GESTATION DL = DAY OF LACTATION
P = PREGNANT NP = NOT PREGNANT
a. Refer to the individual clinical observations table (Table E23) for external observations confirmed at necropsy.

000656

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E35 (PAGE 1): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS/F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
13201	23	14(1)	2	16	7	6	7	6	4	4	4	4	4	4	4	4	17
13202	22	15	1	16	6	9	6	9	4	4	4	4	4	4	4	4	16
13203	23	16	0	16	8	8	8	6	4	4	4	4	4	4	4	4	17
13204	23	18	0	18	10	8	8	8	4	4	4	4	4	4	4	4	18
13205c																	
13206	23	6	0	6	3	3	3	3	3	3	3	3	3	3	3	3	10
13207	22	19	0	19	13	6	13	6	4	4	4	4	4	4	4	4	19
13208	23	13	0	13	7	6	6	6	4	4	4	4	4	4	4	4	16
13209	NOT PREGNANT																
13210	22	17	0	17	10	7	9	7	4	4	4	4	4	4	4	4	18
13211	24	5	0	5	3	2	3	2	3	2	3	2	3	2	3	2	7
13212	23	14	0	14	6	8	6	8	4	4	4	4	4	4	4	4	14
13213	23	15	0	15	1	14	1	14	1	7	1	7	1	7	1	7	16
13214	22	16(1)	2	18	9	6	9	6	4	4	4	4	4	4	4	4	18
13215	23	14	0	14	3	11	3	11	3	5	3	5	3	5	3	5	14
13216	23	15	0	15	8	7	8	7	4	4	4	4	4	4	4	4	15
13217	23	17	0	17	9	8	9	8	4	4	4	4	4	4	4	4	18
13218	23	14	0	14	9	5	9	5	4	4	4	4	4	4	4	4	14
13219	23	15	0	15	8	7	8	6	4	4	4	4	4	4	4	4	15
13220	23	17	0	17	7	10	7	10	4	4	4	4	4	4	4	4	17
13221	FOUND DEAD DAY 28 POSTWEANING																
13222	23	9	1	10	2	7	2	7	2	6	2	6	2	6	2	6	11
13223	23	14	0	14	5	9	5	9	4	4	4	4	4	4	4	4	16
13224	23	15	0	15	8	7	8	7	4	4	4	4	4	4	4	4	17
13225	23	12	0	12	7	5	7	5	4	4	4	4	4	4	4	4	15

M = MALE F = FEMALE

( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.

a. Number of live pups preculling.

b. Number of live pups postculling.

c. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000557

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E35 (PAGE 2): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS/F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
13226	23	11	1	12	6	5	6	5	4	4	4	4	4	4	4	4	14
13227	23	13	0	13	8	5	8	5	4	4	4	4	4	4	4	4	14
13228	NOT PREGNANT																
13229	23	15	0	15	9	6	9	6	4	4	4	4	4	4	4	4	16
13230	22	13	0	13	9	4	9	4	4	4	4	4	4	4	4	4	13
13231	23	17	0	17	6	11	6	11	4	4	4	4	4	4	4	4	20
13232	23	13	0	13	7	6	7	6	4	4	4	4	4	4	4	4	13
13233	22	16	0	16	8	8	8	8	4	4	4	4	4	4	4	4	18
13234	23	14	5	19	8	6	8	5	4	4	4	4	4	4	4	4	20
13235	24	10(2)	0	10	4	4	3	4	3	4	3	4	3	4	3	4	17
13236	23	21	0	21	10	11	10	11	4	4	4	4	4	4	4	4	21
13237	23	14	0	14	7	7	7	7	4	4	4	4	4	4	4	4	14
13238	23	16	0	16	7	9	7	9	4	4	4	4	4	4	4	4	18
13239	23	15	0	15	10	5	10	5	4	4	4	4	4	4	4	4	17
13240	23	16	0	16	8	8	8	8	4	4	4	4	4	4	4	4	17
13241	22	16	0	16	9	7	9	7	4	4	4	4	4	4	4	4	16
13242	23	17	0	17	9	8	9	8	4	4	4	4	4	4	4	4	18
13243	NOT PREGNANT																
13244	NOT PREGNANT																
13245	NOT PREGNANT																
13246	23	15	0	15	5	10	5	10	4	4	4	4	4	4	4	4	16
13247	23	16	0	16	5	11	5	11	4	4	2	4	2	3	2	3	17
13248	23	17	1	18	8	9	8	9	4	4	4	4	4	4	4	4	18
13249	23	16	0	16	7	9	7	9	4	4	4	4	4	4	4	4	17
13250	23	17	0	17	12	5	12	5	4	4	4	4	4	4	4	4	18

M = MALE F = FEMALE
( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.
a. Number of live pups preculling.
b. Number of live pups postculling.

000658

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E35 (PAGE 3): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - F1 GENERATION FEMALE RATS/F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS) N	LITTER DELIVERED LIVE BORN N	STILL-BORN N	TOTAL BORN N	NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM 1 M	1 F	4a M	4a F	4b M	4b F	7 M	7 F	14 M	14 F	21 M	21 F	TOTAL IMPLAN-TATIONS N
13251	23	13	0	13	7	6	7	6	4	4	4	4	4	4	4	4	14
13252	22	15	0	15	8	7	8	7	4	4	4	4	4	4	4	4	16
13253	23	15	0	15	7	8	7	7	4	4	4	4	4	4	4	4	16
13254	22	17	0	17	6	11	3	7	3	5	3	5	3	5	3	5	17
13255	23	14	4	18	8	6	8	6	4	4	3	4	3	4	3	4	18
13256	23	14	1	15	5	9	5	8	4	4	4	4	4	4	4	4	15
13257c	23	15	0	15	6	9	6	9	4	4	4	4	-	-	-	-	15
13258	23	15	0	15	6	9	6	9	4	4	4	4	4	4	4	4	16
13259	23	13(1)	0	13	9	3	9	3	5	3	5	3	5	3	5	3	13
13260	23	18(1)	0	18	8	9	7	9	4	4	4	4	4	4	4	4	18
13261	23	14	0	14	4	10	4	10	4	4	2	3	2	3	2	3	14
13262	22	11	1	12	6	5	6	5	4	4	4	3	3	3	3	3	13
13263	22	15	0	15	9	6	9	6	4	4	4	4	4	4	4	4	16
13264	23	16	0	16	7	9	7	9	4	4	4	4	4	4	4	4	16
13265	23	7	0	7	2	5	2	5	2	5	2	5	2	5	2	5	9
13266	23	18	0	18	7	11	6	11	4	4	4	4	4	4	4	4	18
13267	22	17	0	17	5	12	5	12	4	4	4	4	4	4	4	4	18
13268	22	13	1	14	7	6	7	6	4	4	4	4	4	4	4	4	14
13269	23	14	0	14	10	4	10	4	4	4	4	4	4	4	4	4	15
13270	23	15	1	16	7	8	7	8	4	4	4	4	4	4	4	4	16
13271	23	10	1	11	4	6	4	6	4	4	4	4	4	4	4	4	12
13272	23	16	2	18	11	5	11	5	4	4	4	4	4	4	4	4	18
13273	23	16	1	17	6	10	6	10	4	4	4	4	4	4	4	4	17
13274	NOT PREGNANT																
13275	22	13	1	14	5	8	5	8	4	4	4	4	4	4	4	4	15

M = MALE F = FEMALE

( ) = NUMBER OF PUPS DYING BEFORE WEIGHING ON DAY 1 POSTPARTUM.

a. Number of live pups preculling.

b. Number of live pups postculling.

c. Dam 13257 was found dead on day 10 of lactation; eight pups were sacrificed on day 10 postpartum.

000659

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E36 (PAGE 1): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP I 0 (VEHICLE) MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
13201	6.6	6.5	6.5	8.9	8.9	8.9	8.8	8.9	8.8	14.8	14.9	14.8	34.3	33.3	33.8	55.0	52.8	53.9
13202	5.7	5.5	5.6	8.3	7.7	8.0	8.3	7.7	8.0	15.0	14.2	14.6	35.1	34.4	34.8	52.9	50.6	51.7
13203	4.8	4.4	4.6	6.2	6.1	6.2	6.2	6.0	6.1	9.7	9.4	9.5	24.5	23.5	24.0	38.4	37.5	37.9
13204	5.4	5.2	5.3	6.9	6.4	6.7	7.2	6.6	6.9	11.6	11.0	11.3	27.6	26.3	26.9	43.0	41.4	42.2
13205c																		
13206	6.5	6.5	6.5	10.2	10.0	10.1	10.2	10.0	10.1	17.1	16.7	16.9	37.5	36.4	37.0	61.5	59.2	60.3
13207	5.9	5.8	5.9	8.0	8.0	8.0	8.2	8.1	8.1	14.6	14.2	14.4	33.1	31.0	32.0	49.6	46.8	48.2
13208	6.1	6.0	6.1	9.1	8.8	8.9	9.4	8.9	9.1	14.5	13.9	14.2	30.6	29.9	30.2	49.5	49.0	49.2
13209	NOT PREGNANT																	
13210	5.5	5.6	5.6	6.9	6.8	6.9	7.0	6.8	6.9	10.8	10.5	10.6	27.2	25.4	26.3	43.2	41.3	42.3
13211	9.0	8.8	8.9	14.4	14.5	14.5	14.4	14.5	14.5	22.1	21.4	21.8	40.0	38.2	39.3	59.6	56.0	58.2
13212	6.2	6.1	6.1	8.6	8.7	8.6	9.0	8.6	8.8	15.8	15.2	15.4	32.9	31.6	32.2	53.0	51.4	52.2
13213	6.8	6.8	6.8	8.7	7.8	7.8	8.7	7.6	7.7	14.9	13.4	13.6	33.3	30.4	30.8	49.0	45.0	45.5
13214	6.3	6.0	6.2	8.9	8.4	8.7	9.2	8.2	8.8	16.2	14.4	15.3	36.1	33.1	34.6	54.3	48.9	51.6
13215	7.2	6.6	6.8	9.5	9.1	9.2	9.5	9.1	9.2	16.6	15.8	16.1	34.9	33.0	33.7	53.6	50.7	51.8
13216	6.7	6.5	6.6	8.9	8.7	8.8	9.1	8.9	9.0	15.8	15.4	15.6	33.6	33.0	33.3	54.7	54.9	54.8
13217	6.9	6.3	6.6	8.7	7.8	8.3	9.4	8.2	8.8	15.9	14.7	15.3	34.7	33.1	33.9	51.8	50.4	51.1
13218	6.5	6.2	6.4	9.4	8.9	9.2	9.8	9.1	9.4	16.4	15.6	16.0	33.7	32.0	32.9	55.8	52.6	54.2
13219	6.4	6.1	6.3	8.4	8.1	8.2	8.4	8.1	8.3	13.5	12.8	13.1	30.2	29.0	29.6	51.7	50.4	51.0
13220	6.0	5.7	5.9	7.6	7.6	7.6	7.8	7.7	7.8	13.8	13.4	13.6	31.9	30.3	31.1	50.0	48.8	49.4
13221	FOUND DEAD ON DAY 28 POSTWEANING																	
13222	7.2	7.0	7.0	10.6	10.2	10.3	10.6	10.4	10.4	16.8	16.4	16.4	34.8	33.7	34.0	48.9	48.3	48.5
13223	6.8	6.2	6.4	9.8	9.0	9.3	9.7	9.0	9.4	16.2	15.7	16.0	34.0	33.2	33.6	53.0	50.3	51.6
13224	6.8	6.4	6.6	8.8	8.4	8.6	8.8	8.5	8.6	14.1	13.6	13.9	30.3	28.8	29.6	50.5	47.4	48.9
13225	6.4	5.9	6.2	9.2	8.1	8.7	9.2	8.3	8.8	15.0	13.6	14.3	31.6	30.2	30.9	50.1	47.2	48.7

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling.
b. Postculling.
c. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000660

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E36 (PAGE 2): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP II 0.1 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
13226	7.1	6.7	6.9	8.6	8.2	8.4	8.8	8.4	8.6	15.4	14.8	15.1	32.8	32.8	32.8	51.9	53.3	52.6
13227	6.2	6.0	6.1	8.9	8.9	8.9	8.6	8.9	8.8	15.0	15.2	15.1	31.9	32.4	32.2	51.5	52.7	52.1
13228	NOT PREGNANT																	
13229	6.2	5.7	6.0	7.3	6.6	7.0	7.5	6.6	7.1	11.3	9.8	10.6	30.5	26.8	28.6	47.1	42.2	44.7
13230	6.0	5.6	5.9	7.0	6.6	6.9	7.1	6.6	6.9	11.7	11.0	11.4	26.7	25.7	26.2	39.2	39.1	39.1
13231	6.5	6.2	6.3	9.8	8.9	9.2	9.6	9.5	9.6	17.4	17.2	17.3	37.2	36.3	36.7	57.0	54.2	55.6
13232	6.7	6.7	6.7	9.3	9.2	9.3	9.4	9.2	9.2	16.2	15.9	16.1	33.8	33.9	33.9	54.4	53.7	54.0
13233	6.1	5.5	5.8	8.9	8.0	8.4	8.8	8.7	8.8	14.4	14.4	14.4	33.4	32.4	32.9	50.3	48.3	49.3
13234	6.1	6.3	6.2	9.8	9.3	9.6	10.1	9.4	9.8	16.6	16.3	16.4	33.6	33.5	33.6	54.0	52.4	53.2
13235	5.4	4.8	5.1	8.8	7.8	8.3	8.8	7.8	8.3	14.1	12.5	13.2	31.7	29.9	30.7	50.1	47.9	48.8
13236	6.6	5.9	6.2	8.2	7.3	7.7	7.7	7.8	7.7	13.2	13.2	13.2	32.0	31.9	32.0	46.9	46.4	46.6
13237	7.3	6.8	7.0	8.9	8.3	8.6	9.0	8.6	8.8	12.5	13.0	12.7	32.5	32.4	32.5	52.6	51.8	52.2
13238	6.7	6.4	6.5	9.6	9.3	9.4	9.6	9.3	9.5	17.2	16.8	17.0	37.3	36.8	37.0	57.3	56.4	56.8
13239	5.4	5.3	5.4	8.5	8.3	8.4	8.5	8.3	8.4	15.8	15.4	15.6	36.7	35.8	36.2	55.8	54.6	55.2
13240	6.5	6.3	6.4	8.2	7.8	8.0	8.5	7.6	8.0	14.0	12.6	13.3	30.2	28.9	29.6	46.2	45.6	45.9
13241	5.6	5.3	5.5	6.6	6.2	6.4	7.0	5.9	6.4	11.3	9.3	10.3	28.1	25.2	26.6	42.8	46.0	44.4
13242	6.9	6.2	6.5	9.4	8.8	9.1	9.7	9.5	9.6	16.6	15.7	16.2	36.6	35.1	35.9	56.0	54.5	55.3
13243	NOT PREGNANT																	
13244	NOT PREGNANT																	
13245	NOT PREGNANT																	
13246	6.4	6.0	6.1	8.1	7.6	7.7	8.1	7.6	7.8	14.1	13.3	13.7	31.8	30.5	31.2	50.4	48.2	49.3
13247	6.3	5.9	6.0	6.6	6.3	6.4	6.8	6.3	6.5	10.0	10.3	10.2	28.0	28.1	28.0	45.2	45.5	45.4
13248	6.3	6.2	6.2	6.9	6.9	6.9	7.2	7.0	7.1	12.7	11.3	12.0	31.0	29.5	30.2	45.0	43.2	44.2
13249	6.6	6.1	6.3	9.1	8.6	8.9	9.1	8.8	9.0	15.3	15.5	15.4	31.1	31.0	31.1	43.8	43.5	43.7
13250	5.9	5.6	5.8	7.9	7.3	7.8	8.1	7.4	7.8	14.2	13.3	13.7	30.6	28.8	29.8	46.4	43.0	44.7

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.
a. Preculling.
b. Postculling.

000661

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E36 (PAGE 3): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION LITTERS

MATERNAL DOSAGE GROUP III 0.4 MG/KG/DAY

RAT/ LITTER NUMBER	DAY 1			DAY 4a			DAY 4b			DAY 7			DAY 14			DAY 21		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
13251	6.6	6.5	6.6	9.7	9.4	9.6	10.1	9.6	9.8	17.2	15.6	16.4	36.6	34.0	35.3	60.2	53.3	56.8
13252	5.2	4.9	5.1	6.5	6.2	6.4	6.6	6.3	6.4	10.7	10.6	10.6	25.1	24.5	24.8	39.0	38.0	38.5
13253	6.1	5.6	5.9	8.4	7.9	8.2	8.4	7.6	8.0	14.0	12.5	13.3	32.4	29.1	30.7	50.4	46.2	48.3
13254	5.8	5.2	5.4	5.3	4.8	4.9	5.3	4.9	5.0	6.5	5.6	6.0	17.7	14.9	16.0	35.1	30.9	32.4
13255	6.4	6.3	6.4	7.2	7.1	7.2	7.4	7.4	7.4	10.7	10.3	10.5	25.1	23.3	24.1	42.7	41.6	42.0
13256	6.8	6.4	6.5	9.5	8.8	9.0	9.7	8.8	9.3	16.8	15.2	16.0	35.8	33.6	34.7	56.1	53.1	54.6
13257	7.6	6.8	7.1	10.2	9.0	9.5	10.5	9.0	9.8	16.7	15.0	15.9	c	c	c	c	c	c
13258	7.0	6.7	6.8	9.6	9.3	9.4	9.8	9.1	9.5	15.4	14.8	15.1	34.1	33.1	33.6	56.0	52.5	54.2
13259	6.5	6.5	6.5	8.6	8.7	8.6	8.6	8.7	8.6	14.0	14.0	14.0	31.1	30.4	30.8	51.5	50.3	51.0
13260	6.2	6.0	6.1	8.9	8.1	8.5	8.6	8.0	8.3	13.4	12.6	13.0	33.1	31.5	32.3	51.0	48.1	49.6
13261	7.1	6.7	6.8	6.9	6.4	6.6	6.9	6.7	6.8	9.9	9.2	9.5	25.0	23.6	24.2	42.3	39.6	40.7
13262	6.0	5.4	5.7	7.4	6.4	6.9	7.2	6.4	6.8	12.1	11.1	11.7	30.6	28.1	29.4	50.8	48.6	49.7
13263	6.0	5.6	5.9	8.9	8.0	8.5	9.0	8.0	8.5	15.0	13.0	14.0	30.4	27.3	28.9	47.1	42.6	44.8
13264	6.1	5.8	6.0	7.8	7.4	7.6	7.9	7.6	7.8	13.2	12.4	12.8	28.1	26.7	27.4	44.1	43.4	43.8
13265	6.6	6.2	6.3	10.7	9.9	10.1	10.7	9.9	10.1	16.0	14.3	14.8	32.2	29.7	30.4	46.4	42.7	43.8
13266	6.3	6.1	6.2	7.1	6.6	6.8	7.4	7.0	7.2	11.8	11.4	11.6	26.6	25.6	26.1	43.4	41.2	42.3
13267	5.9	5.6	5.7	6.3	5.8	6.0	6.3	6.0	6.1	8.2	7.9	8.1	22.7	22.2	22.4	39.0	38.9	39.0
13268	5.8	5.5	5.6	6.0	7.1	6.5	7.0	7.1	7.1	10.7	11.0	10.8	26.4	27.1	26.8	43.0	41.8	42.4
13269	6.9	6.6	6.8	8.9	8.8	8.9	9.2	8.8	9.0	13.6	13.7	13.7	28.1	29.0	28.6	46.1	46.7	46.4
13270	6.4	6.1	6.2	8.6	8.2	8.4	8.6	8.0	8.3	14.3	13.1	13.7	31.8	30.1	31.0	50.3	48.7	49.5
13271	7.3	6.6	6.9	9.6	8.7	9.1	9.6	8.8	9.2	15.2	14.2	14.7	33.0	31.3	32.1	53.6	49.6	51.6
13272	6.9	6.6	6.8	8.6	8.5	8.6	8.6	8.4	8.5	15.7	15.4	15.5	37.7	36.3	37.0	59.0	55.4	57.2
13273	6.5	6.2	6.3	8.6	8.0	8.2	8.5	8.1	8.3	13.7	13.2	13.4	32.1	31.5	31.8	49.4	47.9	48.6
13274	NOT PREGNANT																	
13275	5.6	5.5	5.5	7.8	7.5	7.6	7.9	7.4	7.6	13.2	12.2	12.7	27.6	26.1	26.9	43.2	41.5	42.3

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

a. Preculling.
b. Postculling.
c. Dam 13257 was found dead on day 10 of lactation; eight pups were sacrificed on day 10 postpartum.

000662

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 1): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 1								
13201	6.7	7.0	6.2	6.5	6.8	6.4	6.5	7.2	6.7	6.9	6.3	6.0	5.9	FD 1	FS	FS				
13202	6.3	5.4	5.7	5.8	5.4	5.7	5.8	5.2	5.9	5.6	5.5	5.8	5.3	5.4	5.3	FS				
13203	4.5	4.7	4.7	4.8	5.1	4.9	4.6	4.7	3.6	4.4	4.4	4.2	4.8	4.8	4.6	4.1				
13204	4.9	5.5	5.6	5.6	5.5	5.1	5.8	5.6	5.5	5.4	5.5	4.7	5.2	4.9	5.6	4.9	5.4	5.2		
13205a																				
13206	6.6	6.7	6.1	6.6	6.7	6.3														
13207	5.7	6.3	5.5	6.2	5.6	6.2	5.9	5.8	5.8	5.6	5.6	5.8	6.6	5.7	6.1	5.7	5.8	6.0	5.8	
13208	6.1	5.8	5.5	6.3	6.5	6.0	6.6	5.9	5.7	6.4	6.5	5.8	5.8							
13209	NOT PREGNANT																			
13210	5.1	5.9	5.5	5.9	5.7	5.6	4.7	5.5	5.6	5.7	5.6	5.7	5.3	5.4	5.6	5.8	5.9			
13211	9.3	8.5	9.2	9.0	8.6															
13212	5.3	6.2	6.3	5.7	6.7	7.0	5.9	6.1	6.1	6.4	6.1	6.4	6.0	5.8						
13213	6.8	7.0	6.3	6.9	6.9	6.0	7.1	6.4	6.6	7.1	6.9	6.9	6.9	6.9	6.6					
13214	6.4	6.3	5.6	5.9	6.4	6.1	6.8	6.7	6.8	MD 1	MS	MS	5.7	6.8	5.3	6.1	5.8	6.2		
13215	7.5	7.1	7.1	6.5	7.2	6.4	6.6	6.5	6.8	6.5	6.7	6.3	6.7	6.8						
13216	7.1	6.6	6.6	6.8	6.8	6.5	6.7	6.5	6.9	6.3	6.7	6.9	5.9	6.6	6.4					
13217	7.4	7.2	7.0	6.4	6.8	6.7	7.1	6.7	7.1	6.7	5.9	5.7	6.3	6.4	6.3	6.5	6.6			
13218	6.5	6.9	6.1	7.0	6.5	4.9	6.7	6.9	6.9	5.7	6.3	6.0	6.6	6.2						
13219	6.8	6.5	6.3	6.5	6.0	6.4	6.6	6.2	6.4	6.3	5.9	6.0	6.4	5.8	5.8					
13220	6.0	5.9	6.2	5.9	6.4	5.8	6.2	5.8	5.7	5.5	5.6	5.7	5.9	5.5	5.5	6.0	6.1			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	7.4	6.9	MS	6.8	6.1	7.7	7.4	7.0	6.5	7.3										
13223	7.0	6.7	6.4	6.8	7.1	6.5	6.3	5.8	6.4	6.4	6.3	6.2	6.0	6.1						
13224	7.0	6.8	7.0	6.5	6.8	7.2	6.1	6.6	6.4	6.7	6.0	6.9	6.3	6.6	6.1					
13225	6.1	6.7	6.1	6.5	7.0	6.4	6.3	5.7	6.0	5.4	6.1	6.1								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

C00663

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 2): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 1							
13226	7.0	7.1	6.8	6.9	7.8	7.1	MS	6.9	6.2	6.9	7.0	6.4								
13227	5.9	5.3	5.4	6.4	6.5	6.5	7.1	6.2	6.2	5.7	6.1	6.1	5.7							
13228	NOT PREGNANT																			
13229	6.5	6.4	7.0	5.9	5.6	6.3	6.6	6.0	5.8	5.7	6.5	5.9	5.1	5.3	5.6					
13230	6.3	5.8	6.0	5.9	5.8	6.0	6.1	6.0	5.9	5.5	5.7	5.7	5.6							
13231	6.3	6.4	6.5	6.3	7.2	6.5	6.3	6.3	6.7	6.7	5.5	5.7	6.4	6.6	5.9	6.7	5.6			
13232	6.5	6.7	6.3	7.0	6.7	7.1	6.7	6.9	6.4	6.7	7.0	6.9	6.5							
13233	6.7	5.7	5.9	6.2	5.9	5.8	6.2	6.3	5.4	6.1	5.1	4.9	5.9	5.8	5.9	5.2				
13234	6.6	5.7	5.5	6.6	6.4	6.2	5.6	6.2	MS	MS	MS	6.7	6.3	6.1	5.5	6.9	6.2	FS	FS	
13235	5.1	6.1	6.2	4.4	MD 1	MD 1	4.3	5.1	4.6	5.3										
13236	7.0	6.9	6.6	6.7	6.7	5.8	6.6	5.7	6.8	6.8	5.8	5.7	5.8	6.1	5.9	6.5	6.1	6.1	6.2	5.6
	5.5																			
13237	7.4	7.6	7.5	6.8	7.2	6.8	7.7	6.6	6.4	6.9	6.9	6.2	7.3	7.0						
13238	6.4	6.6	7.1	6.5	6.4	6.8	7.1	6.4	6.4	6.4	6.6	6.3	6.2	6.4	6.4	6.1				
13239	5.7	5.0	5.3	5.2	5.8	5.1	5.5	5.8	5.2	5.9	5.2	4.9	6.3	5.0	5.2					
13240	6.5	6.0	6.6	7.2	5.3	6.4	6.6	7.1	5.9	6.6	6.3	6.6	6.5	6.2	6.2	5.8				
13241	5.1	5.7	5.6	6.1	5.3	5.3	5.4	5.6	6.0	5.1	5.2	5.2	5.5	5.1	5.7	5.6				
13242	6.9	8.3	6.3	6.0	6.5	6.7	8.2	6.4	6.5	6.5	6.2	6.2	6.7	6.7	5.4	5.5	6.3			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	6.6	6.7	6.5	6.2	6.1	6.2	5.6	6.3	5.4	5.8	6.0	6.1	6.1	6.0	6.3					
13247	6.0	6.7	6.3	6.3	6.0	6.3	6.1	5.3	5.7	6.0	6.1	6.0	6.0	6.3	6.1	5.4				
13248	7.1	6.1	6.6	6.4	5.9	5.0	6.6	7.0	6.4	6.4	5.7	6.2	5.7	6.1	6.6	6.0	6.3	FS		
13249	6.6	6.7	6.3	6.3	6.7	6.5	6.8	6.0	6.5	6.3	6.0	6.4	6.0	6.3	5.8	5.9				
13250	5.8	5.9	6.3	6.0	5.8	5.9	6.0	5.6	5.9	6.0	5.8	5.8	5.7	5.7	5.7	5.2	5.8			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000664

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 3): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III								0.4 MG/KG/DAY				POSTPARTUM DAY 1							
13251	6.6	6.0	7.0	6.7	6.7	6.4	7.0	6.6	6.5	6.5	6.3	6.3	6.8							
13252	5.0	5.0	5.4	5.3	5.3	5.0	5.6	5.2	4.7	4.9	5.1	4.9	5.2	4.8	4.8					
13253	5.7	6.6	6.1	5.3	6.6	5.9	6.7	6.0	4.7	6.4	5.9	6.4	5.2	5.0	5.4					
13254	5.6	6.2	5.5	6.2	6.2	5.4	4.1	5.7	5.4	5.6	5.1	5.6	5.3	5.2	5.3	5.3	4.9			
13255	6.3	6.0	6.1	6.8	6.6	6.8	6.9	MS	5.9	6.1	6.1	6.0	6.4	6.8	6.2	FS	FS	FS		
13256	7.3	7.1	5.8	6.9	7.1	MS	6.0	5.8	6.6	6.8	6.4	6.4	6.9	6.1	6.3					
13257	7.7	7.8	7.2	8.0	7.2	7.5	6.9	6.7	7.0	6.6	7.3	6.5	6.6	7.1	6.8					
13258	6.8	7.2	7.1	7.2	6.8	7.1	6.4	6.6	6.5	6.8	7.2	6.4	6.6	7.2	6.7					
13259	6.9	6.2	6.8	6.5	6.5	6.9	6.2	6.0	6.5	MD 1	6.5	6.3	6.7							
13260	6.1	6.6	6.2	6.5	6.2	6.2	6.0	6.2	MD 1	6.2	6.1	5.8	6.4	5.5	6.2	6.3	5.5	6.3		
13261	7.1	7.5	7.1	6.8	6.9	6.6	6.6	7.3	6.5	6.3	6.5	6.6	6.1	7.4						
13262	5.5	5.8	6.5	6.1	5.6	6.4	5.3	5.0	5.5	5.4	5.8	FS								
13263	6.2	6.1	5.8	6.0	5.9	5.9	6.2	5.9	6.4	5.5	6.1	5.2	5.5	5.6	5.6					
13264	6.1	6.2	6.5	5.7	5.7	6.2	6.6	6.1	5.8	5.7	5.6	5.8	5.8	6.1	6.0	5.4				
13265	6.9	6.4	7.0	6.3	7.0	6.7	3.9													
13266	6.8	6.3	6.1	6.9	6.0	5.8	6.3	5.5	6.6	5.6	6.3	6.2	5.7	7.3	6.2	6.0	5.4	5.9		
13267	5.8	6.2	5.7	5.6	6.0	5.5	5.4	6.2	5.6	5.2	5.9	5.5	5.8	5.7	5.7	5.9	5.1			
13268	6.0	5.8	5.0	5.8	6.0	5.9	5.9	5.7	5.3	5.8	5.3	5.4	5.5	FS						
13269	6.3	6.9	6.7	6.6	7.6	6.8	7.3	6.8	7.1	6.6	6.6	6.5	6.5	6.8						
13270	6.2	6.0	6.6	6.7	6.5	6.5	6.6	6.2	6.4	6.1	5.6	5.8	6.1	6.3	6.1	US				
13271	7.7	7.1	7.3	7.2	MS	7.1	6.3	6.6	6.7	6.3	6.7									
13272	7.7	6.5	7.9	6.3	7.3	7.7	6.5	6.3	6.0	6.3	7.8	MS	MS	7.0	6.0	6.3	6.0	7.5		
13273	6.8	6.5	6.5	6.5	6.6	6.2	MS	6.5	6.4	6.4	6.5	6.9	5.4	6.3	5.8	5.2	6.1			
13274	NOT PREGNANT																			
13275	5.7	5.3	5.5	5.6	6.0	MS	5.3	5.3	5.4	5.5	5.8	5.5	5.6	5.6						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000665

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 4): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I						0 (VEHICLE) MG/KG/DAY								POSTPARTUM DAY 4 PRECULLING					
13201	8.9	8.3	9.2	8.9	9.5	8.8	9.0	8.9	8.2	9.0	8.5	9.3	9.3	FD 1	FS	FS				
13202	7.8	8.5	8.0	7.9	8.9	8.7	8.6	7.5	7.1	7.6	7.5	7.6	8.1	7.6	8.1	FS				
13203	6.5	6.2	5.7	6.7	6.6	6.1	6.2	5.9	5.3	6.1	6.1	6.4	5.9	6.6	FM 3	FM 2				
13204	7.2	7.5	6.9	7.0	5.2	6.7	7.0	7.7	MD 4	MM 2	6.4	5.7	6.7	6.8	6.1	6.3	6.9	6.7		
13205a																				
13206	10.7	10.1	9.9	9.6	10.4	10.1														
13207	7.4	8.6	7.5	7.8	8.3	7.8	8.3	9.3	8.9	8.2	6.5	7.4	8.2	8.2	8.0	8.0	8.3	7.3	8.0	
13208	9.0	9.6	9.7	9.2	9.3	8.0	MD 2	8.3	8.9	8.9	7.2	9.8	9.4							
13209	NOT PREGNANT																			
13210	7.1	6.6	7.1	6.8	7.0	6.5	7.3	7.0	7.1	MD 2	6.4	6.9	7.2	6.8	6.7	7.0	6.4			
13211	13.8	14.9	14.6	14.6	14.4															
13212	9.5	9.2	8.0	8.5	7.5	8.7	8.8	8.9	8.9	8.8	9.2	8.4	8.0	8.5						
13213	8.7	9.6	7.3	8.0	7.4	7.1	8.1	7.5	8.4	8.3	7.6	7.7	7.7	7.4	6.5					
13214	9.8	9.4	7.9	8.5	9.6	9.6	8.1	8.8	8.4	MD 1	MS	MS	7.1	8.3	8.4	9.3	9.2	8.3		
13215	9.3	9.4	9.7	9.6	8.8	9.0	9.1	8.9	9.1	9.5	9.0	9.4	9.0	9.2						
13216	9.5	8.2	8.0	8.3	9.7	8.4	9.2	9.6	9.1	8.9	8.2	9.0	9.2	8.0	8.3					
13217	7.9	9.5	8.2	9.5	8.7	8.2	9.1	9.3	8.2	8.5	8.3	7.3	8.6	8.0	8.6	6.1	7.3			
13218	9.9	9.8	10.1	9.0	9.9	10.0	9.1	9.8	7.1	7.9	8.8	9.4	8.8	9.4						
13219	8.4	8.4	8.5	8.8	8.3	8.4	8.2	7.9	7.8	8.0	8.3	8.3	8.1	8.0	FM 2					
13220	7.8	6.9	7.5	7.7	7.6	7.8	8.1	8.0	7.8	7.7	6.9	7.4	7.2	7.9	7.4	7.6	8.0			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	10.7	10.6	MS	10.9	10.0	11.2	11.3	9.0	9.6	9.3										
13223	10.1	10.3	9.2	9.6	9.7	9.3	8.7	8.6	8.4	9.0	9.5	10.2	8.6	8.8						
13224	9.6	8.3	7.7	9.3	9.3	9.1	8.6	8.2	7.9	8.9	8.3	7.7	8.0	8.7	9.1					
13225	9.7	9.0	9.3	9.3	8.7	9.4	9.0	8.2	8.4	7.9	8.7	7.3								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000666

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 5): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 4 PRECULLING							
13226	8.0	8.0	8.4	9.1	9.1	8.7	MS	7.8	9.0	7.2	8.1	8.9								
13227	9.5	9.2	10.0	9.4	8.5	7.6	8.9	7.9	8.9	9.4	8.5	9.2	8.6							
13228	NOT PREGNANT																			
13229	7.3	7.3	7.2	7.7	6.6	7.0	7.4	8.0	7.0	6.8	6.9	5.6	7.0	7.2	6.2					
13230	7.3	7.1	7.5	6.6	6.6	7.5	6.7	6.8	7.1	6.1	7.0	6.5	7.0							
13231	10.1	10.1	10.1	9.3	9.9	9.3	8.0	8.6	9.6	9.8	9.5	7.6	9.9	10.2	7.2	8.8	8.8			
13232	9.1	9.4	9.6	9.6	9.4	9.0	9.3	9.0	9.7	9.2	9.3	9.0	9.3							
13233	8.1	8.5	8.3	8.7	9.1	9.9	8.6	9.8	8.1	8.2	9.2	8.7	6.8	7.3	7.0	8.8				
13234	8.7	10.8	10.2	9.0	9.7	10.4	9.7	9.5	MS	MS	MS	8.5	8.8	9.3	10.3	9.5	FM 4	FS	FS	
13235	7.5	8.7	10.3	MD 2	MD 1	MD 1	6.9	8.1	7.6	8.8										
13236	8.4	8.3	9.4	8.3	8.5	8.2	6.7	7.2	8.7	8.4	8.3	7.4	7.9	7.2	7.1	6.1	6.2	7.5	7.9	7.6
	7.2																			
13237	8.6	8.2	7.8	9.6	9.5	9.3	9.5	8.4	8.3	9.6	7.6	7.8	8.0	8.6						
13238	10.1	9.3	10.2	9.7	9.5	9.2	9.2	9.3	8.5	9.9	9.2	8.8	9.7	9.6	8.9	10.2				
13239	9.3	8.4	8.7	8.9	8.9	8.5	7.7	8.5	8.6	7.8	9.6	8.0	7.7	8.0	8.0					
13240	8.4	6.8	8.7	8.9	8.2	8.8	8.4	7.4	7.3	7.6	8.1	7.4	8.5	7.5	7.9	7.9				
13241	7.0	6.7	7.1	5.8	7.1	7.1	6.1	6.4	6.6	6.4	6.6	4.9	6.0	6.4	6.5	6.3				
13242	9.1	9.1	9.4	9.1	10.5	8.1	9.2	9.1	11.2	9.7	9.1	7.1	8.2	8.4	10.1	9.4	8.7			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	8.1	8.3	7.4	8.6	8.2	7.6	7.4	7.1	8.1	7.7	7.8	7.8	7.5	7.6	7.0					
13247	6.2	6.9	6.1	6.5	7.4	6.6	6.4	6.5	6.6	5.5	6.5	5.8	6.6	6.5	5.6	6.3				
13248	7.1	4.6	6.8	7.8	8.2	7.2	6.7	6.6	6.9	6.7	7.0	7.6	6.9	7.3	6.5	7.4	6.1	FS		
13249	9.2	9.0	9.3	8.8	9.1	9.1	9.4	8.2	8.7	8.3	8.8	8.3	9.5	9.2	8.4	8.5				
13250	7.7	8.0	7.8	7.1	8.1	8.0	8.0	8.1	7.9	8.5	8.0	8.1	7.4	7.9	7.1	7.2	7.0			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000667

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 6): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY			POSTPARTUM DAY 4 PRECULLING							
13251	10.1	9.5	9.9	10.7	8.8	10.3	8.8	9.7	9.7	9.1	8.9	9.6	9.3							
13252	6.3	6.3	6.5	6.8	6.2	6.4	6.4	7.3	6.4	6.2	5.4	6.1	6.7	5.9	6.5					
13253	9.2	8.8	8.3	7.0	8.8	9.0	7.5	8.2	9.1	6.8	9.1	9.0	6.9	6.4	FM 2					
13254	4.8	5.2	5.9	MD 4	MM 3	MM 3	4.0	3.9	5.3	4.7	5.0	5.7	4.9	FD 4	FM 4	FD 3	FD 3			
13255	7.3	7.1	7.1	7.6	6.9	7.1	8.0	MS	6.9	7.3	6.3	8.4	6.6	7.1	7.1	FS	FS	FS		
13256	9.4	8.5	10.4	10.0	9.0	MS	8.6	8.6	9.2	9.1	8.4	9.0	8.0	9.1	FM 3					
13257	10.5	9.3	9.8	10.5	9.8	11.2	8.3	9.6	9.0	8.7	9.2	9.3	8.6	9.1	9.3					
13258	9.8	9.2	9.6	9.2	10.4	9.4	10.1	9.2	9.5	8.7	9.5	9.5	9.2	9.4	8.6					
13259	8.0	8.9	8.6	8.8	8.5	8.4	8.4	9.2	8.7	MD 1	8.5	9.1	8.4							
13260	9.0	9.6	9.5	8.5	8.9	8.9	8.2	MM 2	MD 1	8.0	8.8	8.0	8.0	8.1	7.9	8.5	8.2	7.5		
13261	7.5	6.9	6.5	6.7	6.4	5.8	6.3	6.1	6.5	7.3	6.2	6.8	6.8	6.0						
13262	6.8	8.4	7.8	6.2	7.0	8.0	7.3	6.8	6.0	6.2	5.9	FS								
13263	8.6	9.0	8.8	9.0	9.1	9.2	8.4	9.2	8.5	7.8	8.5	7.3	8.3	8.0	8.0					
13264	8.6	8.4	7.4	7.0	7.6	8.3	7.5	8.0	7.5	6.2	7.7	7.3	7.4	7.9	7.8	7.3				
13265	11.2	10.2	10.9	11.8	9.7	11.6	5.6													
13266	7.1	7.9	7.5	6.5	7.2	6.5	MM 3	6.8	6.7	7.7	5.9	6.7	7.0	6.5	6.1	5.7	6.9	7.0		
13267	6.2	6.3	6.1	6.5	6.3	4.8	6.3	6.3	6.0	5.5	6.1	6.0	5.8	5.9	5.7	5.9	5.6			
13268	6.7	6.8	7.6	7.4	5.9	.2	7.1	7.1	7.1	7.2	7.1	7.2	7.0	FS						
13269	8.2	8.7	8.5	8.7	9.5	10.2	9.3	8.2	8.2	9.9	8.4	8.6	8.4	9.6						
13270	9.0	8.5	8.1	7.8	8.6	9.4	9.1	8.5	7.8	8.6	8.6	7.8	7.5	8.2	8.6	US				
13271	9.4	9.3	9.7	10.2	MS	9.4	8.8	8.5	8.4	8.7	8.3									
13272	8.1	8.9	8.5	9.6	9.2	8.1	8.3	9.5	9.1	8.1	7.7	MS	MS	8.7	9.4	7.8	8.5	8.0		
13273	8.9	7.8	8.6	8.6	8.6	9.2	MS	8.1	8.0	8.3	6.5	8.6	7.8	7.5	8.3	8.6	8.4			
13274	NOT PREGNANT																			
13275	7.4	8.2	7.7	8.7	7.2	MS	7.7	7.5	7.0	7.6	7.2	7.7	7.6	8.0						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000668

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 7): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY								POSTPARTUM DAY 4 POSTCULLING						
13201	8.9	8.3	MC 4	MC 4	MC 4	8.8	9.0	8.9	FC 4	9.0	8.5	9.3	FC 4	FD 1	FS	FS				
13202	MC 4	8.5	8.0	7.9	8.9	MC 4	8.6	FC 4	7.1	7.6	7.5	FC 4	FC 4	FC 4	FC 4	FS				
13203	MC 4	MC 4	MC 4	6.7	MC 4	6.1	6.2	5.9	5.3	6.1	FC 4	FC 4	5.9	6.6	FM 3	FM 2				
13204	7.2	MC 4	MC 4	MC 4	MC 4	6.7	7.0	7.7	MD 4	MM 2	FC 4	FC 4	6.7	FC 4	6.1	FC 4	6.9	6.7		
13205a																				
13206	10.7	10.1	9.9	9.6	10.4	10.1														
13207	MC 4	8.6	7.5	7.8	MC 4	MC 4	MC 4	MC 4	8.9	MC 4	MC 4	MC 4	MC 4	FC 4	8.0	8.0	8.3	FC 4	8.0	
13208	9.0	9.6	9.7	MC 4	9.3	MC 4	MD 2	8.3	8.9	8.9	FC 4	FC 4	9.4							
13209	NOT PREGNANT																			
13210	MC 4	MC 4	MC 4	MC 4	7.0	6.5	7.3	7.0	MC 4	MD 2	6.4	6.9	7.2	6.8	FC 4	FC 4	FC 4			
13211	13.8	14.9	14.6	14.6	14.4															
13212	9.5	9.2	MC 4	8.5	MC 4	8.7	8.8	FC 4	FC 4	FC 4	9.2	8.4	8.0	FC 4						
13213	8.7	FC 4	7.3	8.0	7.4	FC 4	8.1	FC 4	FC 4	8.3	7.6	FC 4	FC 4	FC 4	6.5					
13214	MC 4	9.4	MC 4	MC 4	9.6	9.6	MC 4	MC 4	8.4	MD 1	MS	MS	7.1	8.3	FC 4	9.3	FC 4	8.3		
13215	9.3	9.4	9.7	FC 4	8.8	FC 4	9.1	8.9	FC 4	9.5	FC 4	FC 4	9.0	FC 4						
13216	9.5	MC 4	8.0	MC 4	9.7	MC 4	9.2	MC 4	9.1	FC 4	FC 4	9.0	9.2	FC 4	8.3					
13217	MC 4	9.5	MC 4	9.5	MC 4	MC 4	9.1	9.3	MC 4	8.5	FC 4	FC 4	8.6	FC 4	8.6	FC 4	7.3			
13218	MC 4	MC 4	10.1	MC 4	MC 4	10.0	9.1	9.8	MC 4	FC 4	8.8	9.4	8.8	9.4						
13219	8.4	MC 4	MC 4	8.8	8.3	MC 4	8.2	MC 4	7.8	FC 4	8.3	8.3	8.1	FC 4	FM 2					
13220	MC 4	MC 4	MC 4	7.7	7.6	7.8	8.1	FC 4	7.8	7.7	FC 4	FC 4	FC 4	7.9	7.4	FC 4	FC 4			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	10.7	10.6	MS	10.9	10.0	11.2	11.3	FC 4	9.6	9.3										
13223	MC 4	10.3	9.2	9.6	9.7	FC 4	FC 4	8.6	FC 4	FC 4	FC 4	10.2	8.6	8.8						
13224	9.6	MC 4	7.7	MC 4	MC 4	9.1	8.6	MC 4	FC 4	FC 4	8.3	FC 4	8.0	8.7	9.1					
13225	MC 4	MC 4	9.3	9.3	MC 4	9.4	9.0	8.2	8.4	7.9	8.7	FC 4								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000669

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 8): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 4 POSTCULLING							
13226	MC 4	MC 4	8.4	9.1	9.1	8.7	MS	7.8	9.0	FC 4	8.1	8.9								
13227	MC 4	MC 4	10.0	MC 4	MC 4	7.6	8.9	7.9	FC 4	9.4	8.5	9.2	8.6							
13228	NOT PREGNANT																			
13229	MC 4	MC 4	MC 4	7.7	MC 4	MC 4	7.4	8.0	7.0	6.8	FC 4	5.6	7.0	7.2	FC 4					
13230	MC 4	7.1	7.5	6.6	MC 4	MC 4	MC 4	MC 4	7.1	6.1	7.0	6.5	7.0							
13231	MC 4	10.1	MC 4	9.3	9.9	9.3	FC 4	FC 4	9.6	FC 4	9.5	FC 4	FC 4	10.2	FC 4	FC 4	8.8			
13232	9.1	9.4	9.6	MC 4	MC 4	MC 4	9.3	9.0	FC 4	FC 4	9.3	9.0	9.3							
13233	MC 4	MC 4	8.3	8.7	MC 4	MC 4	8.6	9.8	FC 4	8.2	9.2	8.7	FC 4	FC 4	FC 4	8.8				
13234	MC 4	10.8	MC 4	MC 4	MC 4	10.4	9.7	9.5	MS	MS	MS	8.5	FC 4	9.3	10.3	9.5	FM 4	FS	FS	
13235	7.5	8.7	10.3	MD 2	MD 1	MD 1	6.9	8.1	7.6	8.8										
13236	MC 4	8.3	MC 4	MC 4	MC 4	MC 4	6.7	7.2	8.7	MC 4	8.3	FC 4	7.9	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	7.6
	7.2																			
13237	8.6	8.2	MC 4	9.6	9.5	MC 4	MC 4	8.4	FC 4	9.6	FC 4	FC 4	8.0	8.6						
13238	10.1	MC 4	MC 4	9.7	9.5	MC 4	9.2	FC 4	8.5	9.9	9.2	FC 4	FC 4	9.6	FC 4	FC 4				
13239	9.3	8.4	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	8.6	7.8	9.6	FC 4	7.7	8.0	8.0					
13240	8.4	MC 4	MC 4	8.9	8.2	MC 4	8.4	MC 4	7.3	7.6	FC 4	7.4	FC 4	FC 4	7.9	FC 4				
13241	7.0	6.7	MC 4	MC 4	7.1	7.1	MC 4	MC 4	MC 4	FC 4	FC 4	4.9	6.0	6.4	FC 4	6.3				
13242	9.1	9.1	9.4	MC 4	MC 4	MC 4	MC 4	MC 4	11.2	9.7	FC 4	FC 4	FC 4	FC 4	10.1	9.4	8.7			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	8.1	8.3	7.4	8.6	MC 4	FC 4	7.4	FC 4	8.1	FC 4	FC 4	7.8	FC 4	FC 4	7.0					
13247	6.2	6.9	MC 4	6.5	7.4	6.6	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	6.6	FC 4	5.6	6.3				
13248	7.1	MC 4	6.8	MC 4	8.2	MC 4	6.7	MC 4	6.9	FC 4	7.0	FC 4	FC 4	FC 4	6.5	7.4	FC 4	FS		
13249	MC 4	MC 4	9.3	8.8	9.1	9.1	MC 4	8.2	FC 4	FC 4	FC 4	FC 4	9.5	9.2	8.4	FC 4				
13250	7.7	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	8.1	MC 4	8.5	MC 4	8.1	7.4	7.9	7.1	7.2	FC 4			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

C005270

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 9): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY			POSTPARTUM DAY 4 POSTCULLING							
13251	MC 4	9.5	9.9	10.7	MC 4	10.3	MC 4	9.7	9.7	FC 4	FC 4	9.6	9.3							
13252	MC 4	MC 4	6.5	MC 4	6.2	6.4	MC 4	7.3	FC 4	FC 4	FC 4	6.1	6.7	5.9	6.5					
13253	9.2	MC 4	8.3	MC 4	8.8	MC 4	7.5	8.2	FC 4	6.8	FC 4	9.0	FC 4	6.4	FM 2					
13254	4.8	5.2	5.9	MD 4	MM 3	MM 3	4.0	FC 4	FC 4	4.7	5.0	5.7	4.9	FD 4	FM 4	FD 3	FD 3			
13255	MC 4	MC 4	MC 4	7.6	MC 4	7.1	8.0	MS	6.9	7.3	FC 4	8.4	6.6	FC 4	7.1	FS	FS	FS		
13256	9.4	MC 4	10.4	10.0	9.0	MS	FC 4	FC 4	9.2	FC 4	FC 4	9.0	8.0	9.1	FM 3					
13257	10.5	MC 4	MC 4	10.5	9.8	11.2	FC 4	FC 4	9.0	FC 4	FC 4	9.3	8.6	9.1	FC 4					
13258	9.8	MC 4	9.6	MC 4	10.4	9.4	FC 4	9.2	FC 4	FC 4	9.5	FC 4	9.2	FC 4	8.6					
13259	MC 4	8.9	8.6	MC 4	8.5	MC 4	8.4	MC 4	8.7	MD 1	8.5	9.1	8.4							
13260	9.0	MC 4	MC 4	8.5	MC 4	8.9	8.2	MM 2	MD 1	8.0	FC 4	8.0	8.0	FC 4	7.9	FC 4	FC 4	FC 4		
13261	7.5	6.9	6.5	6.7	FC 4	FC 4	FC 4	FC 4	6.5	7.3	6.2	6.8	FC 4	FC 4						
13262	MC 4	MC 4	7.8	6.2	7.0	8.0	7.3	FC 4	6.0	6.2	5.9	FS								
13263	8.6	MC 4	MC 4	9.0	9.1	9.2	MC 4	MC 4	MC 4	FC 4	8.5	7.3	FC 4	8.0	8.0					
13264	8.6	8.4	MC 4	7.0	MC 4	MC 4	7.5	8.0	7.5	FC 4	7.7	FC 4	FC 4	FC 4	FC 4	7.3				
13265	11.2	10.2	10.9	11.8	9.7	11.6	5.6													
13266	7.1	7.9	7.5	MC 4	7.2	MC 4	MM 3	FC 4	FC 4	7.7	FC 4	FC 4	7.0	FC 4	6.1	FC 4	FC 4	7.0		
13267	6.2	6.3	6.1	6.5	MC 4	FC 4	FC 4	6.3	6.0	FC 4	6.1	FC 4	FC 4	FC 4	FC 4	FC 4	5.6			
13268	6.7	6.8	MC 4	7.4	MC 4	MC 4	7.1	7.1	7.1	7.2	7.1	FC 4	FC 4	FS						
13269	MC 4	8.7	MC 4	8.7	MC 4	MC 4	9.3	MC 4	MC 4	9.9	8.4	8.6	8.4	9.6						
13270	9.0	MC 4	MC 4	7.8	8.6	MC 4	9.1	8.5	FC 4	FC 4	FC 4	7.8	7.5	8.2	FC 4	US				
13271	9.4	9.3	9.7	10.2	MS	9.4	8.8	FC 4	8.4	8.7	FC 4									
13272	MC 4	8.9	MC 4	MC 4	MC 4	MC 4	8.3	MC 4	9.1	8.1	MC 4	MS	MS	FC 4	9.4	7.8	8.5	8.0		
13273	8.9	7.8	8.6	MC 4	8.6	MC 4	MS	8.1	FC 4	8.3	FC 4	FC 4	7.8	FC 4	8.3	FC 4	FC 4			
13274	NOT PREGNANT																			
13275	7.4	8.2	MC 4	8.7	7.2	MS	FC 4	7.5	7.0	7.6	FC 4	FC 4	7.6	FC 4						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000671

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 10): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 7								
13201	14.8	14.5	MC 4	MC 4	MC 4	14.9	14.8	15.1	FC 4	14.4	15.3	14.9	FC 4	FD 1	FS	FS				
13202	MC 4	15.0	15.5	15.5	14.2	MC 4	13.7	FC 4	15.6	14.0	13.7	FC 4	FC 4	FC 4	FC 4	FS				
13203	MC 4	MC 4	MC 4	9.5	MC 4	10.7	9.4	9.3	10.5	9.4	FC 4	FC 4	8.2	9.3	FM 3	FM 2				
13204	10.4	MC 4	MC 4	MC 4	MC 4	11.9	11.6	12.6	MD 4	MM 2	FC 4	FC 4	11.0	FC 4	11.4	FC 4	11.3	10.2		
13205a																				
13206	17.6	17.1	16.5	15.9	16.8	17.3														
13207	MC 4	13.1	16.1	15.2	MC 4	MC 4	MC 4	MC 4	13.8	MC 4	MC 4	MC 4	MC 4	FC 4	14.2	13.8	13.9	FC 4	14.9	
13208	14.7	14.6	14.0	MC 4	14.8	MC 4	MD 2	13.2	13.7	14.1	FC 4	FC 4	14.7							
13209	NOT PREGNANT																			
13210	MC 4	MC 4	MC 4	MC 4	11.2	9.6	10.9	11.3	MC 4	MD 2	10.2	11.4	10.8	9.7	FC 4	FC 4	FC 4			
13211	21.5	22.5	22.3	22.1	20.6															
13212	16.0	16.2	MC 4	15.3	MC 4	15.5	15.1	FC 4	FC 4	FC 4	15.8	15.6	14.1	FC 4						
13213	14.9	FC 4	14.8	14.4	14.2	FC 4	11.8	FC 4	FC 4	12.3	12.3	FC 4	FC 4	FC 4	13.7					
13214	MC 4	15.0	MC 4	MC 4	16.6	16.8	MC 4	MC 4	16.3	MD 1	MS	MS	14.5	12.7	FC 4	16.4	FC 4	14.0		
13215	16.5	17.2	16.1	FC 4	15.7	FC 4	16.3	15.7	FC 4	15.0	FC 4	FC 4	16.2	FC 4						
13216	16.6	MC 4	14.1	MC 4	16.1	MC 4	16.4	MC 4	15.8	FC 4	FC 4	16.3	14.1	FC 4	15.4					
13217	MC 4	16.2	MC 4	16.0	MC 4	MC 4	15.5	16.0	MC 4	14.9	FC 4	FC 4	15.7	FC 4	14.8	FC 4	13.3			
13218	MC 4	MC 4	16.7	MC 4	MC 4	15.4	16.9	16.5	MC 4	FC 4	15.1	15.2	15.7	16.2						
13219	14.1	MC 4	MC 4	13.2	13.4	MC 4	13.2	MC 4	12.6	FC 4	13.1	13.2	12.2	FC 4	FM 2					
13220	MC 4	MC 4	MC 4	13.6	13.2	14.7	13.7	FC 4	12.5	13.9	FC 4	FC 4	FC 4	13.4	13.7	FC 4	FC 4			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	16.7	16.8	MS	16.4	16.0	17.5	17.3	FC 4	14.6	16.3										
13223	MC 4	17.3	17.4	16.0	14.2	FC 4	FC 4	15.7	FC 4	FC 4	FC 4	15.3	16.9	15.0						
13224	16.2	MC 4	15.0	MC 4	MC 4	11.7	13.5	MC 4	FC 4	FC 4	13.9	FC 4	13.4	13.3	14.0					
13225	MC 4	MC 4	14.9	15.0	MC 4	14.8	15.1	13.7	13.3	13.1	14.2	FC 4								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000672

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 11): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 7							
13226	MC 4	MC 4	15.5	16.0	14.5	15.7	MS	14.6	15.2	FC 4	13.8	15.8								
13227	MC 4	MC 4	17.3	MC 4	MC 4	14.0	15.2	13.6	FC 4	14.9	16.0	15.3	14.6							
13228	NOT PREGNANT																			
13229	MC 4	MC 4	MC 4	11.1	MC 4	MC 4	11.9	10.6	11.6	10.8	FC 4	10.9	7.4	10.2	FC 4					
13230	MC 4	10.7	11.9	12.1	MC 4	MC 4	MC 4	MC 4	12.2	11.9	11.5	10.9	9.6							
13231	MC 4	17.2	MC 4	17.3	17.4	17.8	FC 4	FC 4	17.8	FC 4	16.5	FC 4	FC 4	17.0	FC 4	FC 4	17.5			
13232	16.1	15.9	16.2	MC 4	MC 4	MC 4	16.8	16.3	FC 4	FC 4	15.9	16.1	15.3							
13233	MC 4	MC 4	15.5	14.0	MC 4	MC 4	13.6	14.7	FC 4	13.7	14.6	15.0	FC 4	FC 4	FC 4	14.5				
13234	MC 4	17.7	MC 4	MC 4	MC 4	15.2	17.4	15.9	MS	MS	MS	15.4	FC 4	16.6	15.5	17.8	FM 4	FS	FS	
13235	16.1	12.2	14.0	MD 2	MD 1	MD 1	13.2	13.4	11.2	12.2										
13236	MC 4	13.9	MC 4	MC 4	MC 4	MC 4	12.7	14.5	11.8	MC 4	13.9	FC 4	12.5	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	13.5
	13.0																			
13237	14.0	10.9	MC 4	13.1	12.0	MC 4	MC 4	12.8	FC 4	12.9	FC 4	FC 4	14.3	11.8						
13238	16.3	MC 4	MC 4	17.2	17.9	MC 4	17.4	FC 4	17.5	16.4	16.6	FC 4	FC 4	16.6	FC 4	FC 4				
13239	14.7	16.6	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	16.2	15.6	17.4	FC 4	14.8	15.1	14.5					
13240	14.6	MC 4	MC 4	14.3	13.1	MC 4	13.9	MC 4	13.3	11.5	FC 4	12.6	FC 4	FC 4	13.1	FC 4				
13241	12.3	11.1	MC 4	MC 4	10.9	10.9	MC 4	MC 4	MC 4	FC 4	FC 4	8.9	10.3	7.8	FC 4	10.2				
13242	16.5	15.8	15.6	MC 4	MC 4	MC 4	MC 4	MC 4	18.7	15.9	FC 4	FC 4	FC 4	FC 4	14.5	16.0	16.4			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	14.0	15.0	13.5	13.9	MC 4	FC 4	13.3	FC 4	13.9	FC 4	FC 4	14.2	FC 4	FC 4	11.8					
13247	10.5	9.4	MC 4	MD 7	MD 6	9.9	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	11.5	FC 4	10.4	9.3				
13248	13.3	MC 4	11.1	MC 4	14.3	MC 4	12.1	MC 4	11.1	FC 4	11.4	FC 4	FC 4	FC 4	11.1	11.6	FC 4	FS		
13249	MC 4	MC 4	15.5	14.5	15.9	15.2	MC 4	16.5	FC 4	FC 4	FC 4	FC 4	14.8	15.3	15.4	FC 4				
13250	14.0	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	15.4	MC 4	14.0	MC 4	13.3	13.6	12.7	13.8	13.0	FC 4			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000373

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 12): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY				POSTPARTUM DAY 7						
13251	MC 4	17.4	18.3	17.1	MC 4	16.2	MC 4	16.5	15.2	FC 4	FC 4	14.3	16.3							
13252	MC 4	MC 4	11.9	MC 4	10.5	10.4	MC 4	10.0	FC 4	FC 4	FC 4	10.7	10.3	9.9	11.3					
13253	15.6	MC 4	14.6	MC 4	12.8	MC 4	13.1	15.4	FC 4	10.9	FC 4	10.2	FC 4	13.5	FM 2					
13254	5.6	8.1	5.8	MD 4	MM 3	MM 3	5.6	FC 4	FC 4	4.8	4.4	6.1	7.2	FD 4	FM 4	FD 3	FD 3			
13255	MC 4	MC 4	MC 4	11.4	MC 4	10.1	10.6	MS	MD 5	10.5	FC 4	10.0	9.2	FC 4	11.6	FS	FS	FS		
13256	18.0	MC 4	16.7	16.7	15.9	MS	FC 4	FC 4	13.9	FC 4	FC 4	15.9	15.0	16.0	FM 3					
13257	16.9	MC 4	MC 4	16.5	15.8	17.6	FC 4	FC 4	16.0	FC 4	FC 4	15.4	14.0	14.7	FC 4					
13258	16.3	MC 4	15.3	MC 4	14.9	15.3	FC 4	15.1	FC 4	FC 4	14.9	FC 4	15.1	FC 4	14.0					
13259	MC 4	14.6	14.2	MC 4	13.3	MC 4	14.2	MC 4	13.6	MD 1	13.3	13.6	15.0							
13260	13.8	MC 4	MC 4	12.8	MC 4	13.8	13.2	MM 2	MD 1	13.4	FC 4	12.4	12.3	FC 4	12.5	FC 4	FC 4	FC 4		
13261	10.7	9.1	MD 7	MD 6	FC 4	FC 4	FC 4	FC 4	10.2	8.3	9.1	FD 6	FC 4	FC 4						
13262	MC 4	MC 4	9.5	12.0	13.2	13.8	12.7	FC 4	9.9	10.6	FD 5	FS								
13263	15.3	MC 4	MC 4	14.8	14.7	15.2	MC 4	MC 4	MC 4	FC 4	12.7	12.9	FC 4	12.3	14.1					
13264	14.5	11.2	MC 4	12.8	MC 4	MC 4	14.1	11.9	12.9	FC 4	12.0	FC 4	FC 4	FC 4	FC 4	13.0				
13265	15.5	16.5	8.5	17.1	15.1	16.7	14.2													
13266	12.1	11.7	11.2	MC 4	12.0	MC 4	MM 3	FC 4	FC 4	10.4	FC 4	FC 4	11.5	FC 4	12.5	FC 4	FC 4	11.0		
13267	8.8	7.5	8.2	8.5	MC 4	FC 4	FC 4	7.9	8.3	FC 4	6.9	FC 4	FC 4	FC 4	FC 4	FC 4	8.6			
13268	10.6	10.3	MC 4	11.1	MC 4	MC 4	10.9	11.3	10.9	10.7	11.0	FC 4	FC 4	FS						
13269	MC 4	14.3	MC 4	14.5	MC 4	MC 4	12.9	MC 4	MC 4	12.9	13.0	12.5	13.6	15.6						
13270	13.6	MC 4	MC 4	13.7	14.8	MC 4	15.1	12.6	FC 4	FC 4	FC 4	12.8	13.3	13.8	FC 4	US				
13271	16.1	14.3	15.3	15.2	MS	14.2	14.0	FC 4	14.1	14.3	FC 4									
13272	MC 4	14.8	MC 4	MC 4	MC 4	MC 4	15.0	MC 4	16.0	16.9	MC 4	MS	MS	FC 4	17.3	13.9	15.7	14.6		
13273	12.7	13.6	13.7	MC 4	14.7	MC 4	MS	12.5	FC 4	13.4	FC 4	FC 4	13.5	FC 4	13.4	FC 4	FC 4			
13274	NOT PREGNANT																			
13275	12.3	12.9	MC 4	13.4	14.1	MS	FC 4	12.7	11.3	12.2	FC 4	FC 4	12.5	FC 4						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

C006746

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 13): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY						POSTPARTUM DAY 14								
13201	33.3	35.6	MC 4	MC 4	MC 4	34.2	34.2	34.2	FC 4	32.8	33.5	32.6	FC 4	FD 1	FS	FS				
13202	MC 4	34.9	35.8	34.8	35.0	MC 4	35.9	FC 4	34.5	33.4	33.8	FC 4	FC 4	FC 4	FC 4	FS				
13203	MC 4	MC 4	MC 4	26.8	MC 4	23.2	23.8	24.1	23.4	21.8	FC 4	FC 4	26.0	22.8	FM 3	FM 2				
13204	28.7	MC 4	MC 4	MC 4	MC 4	25.4	27.8	28.3	MD 4	MM 2	FC 4	FC 4	27.1	FC 4	24.4	FC 4	25.9	27.8		
13205a																				
13206	38.8	36.8	36.9	37.7	35.4	36.1														
13207	MC 4	35.6	34.1	30.9	MC 4	MC 4	MC 4	MC 4	31.7	MC 4	MC 4	MC 4	MC 4	FC 4	32.1	29.6	30.3	FC 4	32.0	
13208	31.1	30.3	30.4	MC 4	30.5	MC 4	MD 2	29.5	32.1	29.7	FC 4	FC 4	28.2							
13209	NOT PREGNANT																			
13210	MC 4	MC 4	MC 4	MC 4	27.4	26.4	26.7	28.3	MC 4	MD 2	26.6	25.8	23.8	25.3	FC 4	FC 4	FC 4			
13211	39.9	40.5	39.6	40.5	35.9															
13212	33.6	31.8	MC 4	34.1	MC 4	32.1	32.5	FC 4	FC 4	FC 4	31.5	32.7	29.7	FC 4						
13213	33.3	FC 4	28.7	30.3	33.3	FC 4	31.2	FC 4	FC 4	28.3	32.7	FC 4	FC 4	FC 4	28.3					
13214	MC 4	36.7	MC 4	MC 4	36.2	34.7	MC 4	MC 4	36.9	MD 1	MS	MS	29.7	33.9	FC 4	36.1	FC 4	32.7		
13215	34.4	34.3	36.0	FC 4	34.2	FC 4	33.1	33.1	FC 4	32.8	FC 4	FC 4	31.6	FC 4						
13216	33.4	MC 4	32.2	MC 4	34.8	MC 4	34.0	MC 4	32.5	FC 4	FC 4	35.1	32.7	FC 4	31.5					
13217	MC 4	34.9	MC 4	34.2	MC 4	MC 4	34.4	35.4	MC 4	35.0	FC 4	FC 4	33.3	FC 4	30.3	FC 4	33.7			
13218	MC 4	MC 4	33.5	MC 4	MC 4	33.9	34.1	33.3	MC 4	FC 4	34.0	32.8	30.9	30.5						
13219	29.3	MC 4	MC 4	30.0	31.4	MC 4	29.9	MC 4	28.1	FC 4	28.8	28.6	30.3	FC 4	FM 2					
13220	MC 4	MC 4	MC 4	33.3	31.7	30.9	31.8	FC 4	30.3	31.6	FC 4	FC 4	FC 4	28.3	31.0	FC 4	FC 4			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	34.5	35.2	MS	31.6	35.2	33.3	33.9	FC 4	33.6	34.8										
13223	MC 4	35.3	35.1	31.5	34.0	FC 4	FC 4	34.1	FC 4	FC 4	FC 4	32.7	33.3	32.5						
13224	27.2	MC 4	32.0	MC 4	MC 4	30.1	32.0	MC 4	FC 4	FC 4	29.5	FC 4	27.9	29.4	28.5					
13225	MC 4	MC 4	32.5	31.1	MC 4	31.6	31.0	30.1	29.7	30.2	30.9	FC 4								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

000675

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 14): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II									0.1 MG/KG/DAY					POSTPARTUM DAY 14					
13226	MC 4	MC 4	33.9	33.6	32.0	31.5	MS	32.5	33.4	FC 4	33.6	31.9								
13227	MC 4	MC 4	29.5	MC 4	MC 4	31.6	35.1	31.5	FC 4	33.5	30.9	34.2	31.0							
13228	NOT PREGNANT																			
13229	MC 4	MC 4	MC 4	30.1	MC 4	MC 4	31.7	28.8	31.3	21.2	FC 4	28.6	28.3	29.2	FC 4					
13230	MC 4	27.8	25.8	27.5	MC 4	MC 4	MC 4	MC 4	25.6	25.8	26.2	24.1	26.8							
13231	MC 4	37.8	MC 4	36.9	36.6	37.4	FC 4	FC 4	35.8	FC 4	35.6	FC 4	FC 4	37.7	FC 4	FC 4	36.0			
13232	33.3	34.2	34.4	MC 4	MC 4	MC 4	33.5	32.8	FC 4	FC 4	34.1	33.6	35.0							
13233	MC 4	MC 4	34.8	33.2	MC 4	MC 4	32.7	32.9	FC 4	32.8	31.8	33.1	FC 4	FC 4	FC 4	32.0				
13234	MC 4	35.8	MC 4	MC 4	MC 4	33.3	33.4	32.0	MS	MS	MS	32.1	FC 4	35.3	35.4	31.1	FM 4	FS	FS	
13235	29.0	31.6	34.4	MD 2	MD 1	MD 1	31.1	31.6	27.8	29.2										
13236	MC 4	32.1	MC 4	MC 4	MC 4	MC 4	34.2	32.1	29.7	MC 4	31.0	FC 4	30.8	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	32.8
	32.9																			
13237	31.9	35.3	MC 4	29.8	33.1	MC 4	MC 4	32.7	FC 4	31.0	FC 4	FC 4	32.0	34.1						
13238	37.8	MC 4	MC 4	38.0	37.4	MC 4	36.1	FC 4	37.2	37.8	36.6	FC 4	FC 4	35.4	FC 4	FC 4				
13239	37.7	36.4	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	37.4	35.3	38.1	FC 4	34.6	35.2	35.1					
13240	30.3	MC 4	MC 4	31.2	31.2	MC 4	28.0	MC 4	29.6	28.5	FC 4	30.1	FC 4	FC 4	27.5	FC 4				
13241	28.2	27.6	MC 4	MC 4	26.7	29.8	MC 4	MC 4	MC 4	FC 4	FC 4	26.2	27.7	23.0	FC 4	23.9				
13242	35.7	35.9	36.0	MC 4	MC 4	MC 4	MC 4	MC 4	38.9	36.0	FC 4	FC 4	FC 4	FC 4	35.4	33.1	36.0			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	30.8	32.7	32.3	31.3	MC 4	FC 4	30.0	FC 4	31.7	FC 4	FC 4	28.5	FC 4	FC 4	31.9					
13247	28.6	27.4	MC 4	MD 7	MD 6	27.1	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	25.6	FC 4	31.5	FD10				
13248	31.8	MC 4	29.2	MC 4	33.7	MC 4	29.1	MC 4	29.7	FC 4	29.3	FC 4	FC 4	FC 4	29.8	29.2	FC 4	FS		
13249	MC 4	MC 4	31.2	30.6	31.3	31.4	MC 4	30.9	FC 4	FC 4	FC 4	FC 4	32.4	30.2	30.7	FC 4				
13250	30.2	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	30.8	MC 4	30.4	MC 4	31.2	29.8	28.5	29.8	27.3	FC 4			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000676

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 15): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY			POSTPARTUM DAY 14							
13251	MC 4	36.1	37.6	36.6	MC 4	36.0	MC 4	36.2	30.9	FC 4	FC 4	32.9	36.2							
13252	MC 4	MC 4	24.8	MC 4	23.3	27.1	MC 4	25.3	FC 4	FC 4	FC 4	24.6	23.0	24.7	25.8					
13253	29.1	MC 4	30.6	MC 4	35.5	MC 4	34.3	25.4	FC 4	33.3	FC 4	25.5	FC 4	32.1	FM 2					
13254	21.2	17.0	14.9	MD 4	MM 3	MM 3	16.9	FC 4	FC 4	19.0	11.2	16.3	11.3	FD 4	FM 4	FD 3	FD 3			
13255	MC 4	MC 4	MC 4	24.3	MC 4	24.9	26.1	MS	MD 5	24.5	FC 4	21.1	24.4	FC 4	23.3	FS	FS	FS		
13256	37.9	MC 4	34.6	35.5	35.2	MS	FC 4	FC 4	33.9	FC 4	FC 4	33.8	34.3	32.3	FM 3					
13257	FOUND DEAD ON DAY 10 OF LACTATION; EIGHT PUPS WERE SACRIFICED ON DAY 10 POSTPARTUM																			
13258	34.2	MC 4	35.9	MC 4	33.3	33.1	FC 4	33.9	FC 4	FC 4	33.6	FC 4	32.4	FC 4	32.4					
13259	MC 4	31.2	30.4	MC 4	31.0	MC 4	32.4	MC 4	30.7	MD 1	30.4	29.7	31.0							
13260	32.3	MC 4	MC 4	34.0	MC 4	33.4	32.8	MM 2	MD 1	32.7	FC 4	30.4	31.4	FC 4	31.6	FC 4	FC 4	FC 4		
13261	24.5	25.6	MD 7	MD 6	FC 4	FC 4	FC 4	FC 4	24.5	21.8	24.5	FD 6	FC 4	FC 4						
13262	MC 4	MC 4	29.4	30.6	31.8	MM 9	30.3	FC 4	26.9	27.1	FD 5	FS								
13263	29.5	MC 4	MC 4	30.3	31.2	30.8	MC 4	MC 4	MC 4	FC 4	27.9	28.2	FC 4	26.0	27.2					
13264	26.7	30.4	MC 4	29.8	MC 4	MC 4	25.4	28.9	26.4	FC 4	26.9	FC 4	FC 4	FC 4	FC 4	24.7				
13265	32.6	31.9	30.9	32.2	33.3	20.6	31.7													
13266	26.1	25.8	28.1	MC 4	26.3	MC 4	MM 3	FC 4	FC 4	27.5	FC 4	FC 4	25.2	FC 4	25.1	FC 4	FC 4	24.6		
13267	20.1	23.0	23.5	24.1	MC 4	FC 4	FC 4	24.0	18.9	FC 4	22.8	FC 4	FC 4	FC 4	FC 4	FC 4	23.1			
13268	26.6	26.2	MC 4	25.4	MC 4	MC 4	27.5	27.2	27.3	26.7	27.2	FC 4	FC 4	FS						
13269	MC 4	27.5	MC 4	27.1	MC 4	MC 4	28.4	MC 4	MC 4	29.3	31.3	28.8	26.8	29.3						
13270	32.6	MC 4	MC 4	30.4	31.2	MC 4	33.2	29.1	FC 4	FC 4	FC 4	29.2	30.9	31.2	FC 4	US				
13271	32.7	31.6	31.1	36.5	MS	31.4	32.1	FC 4	32.0	29.7	FC 4									
13272	MC 4	35.5	MC 4	MC 4	MC 4	MC 4	40.8	MC 4	39.7	34.8	MC 4	MS	MS	FC 4	34.5	40.8	36.4	33.5		
13273	30.9	32.2	32.6	MC 4	32.8	MC 4	MS	32.4	FC 4	31.1	FC 4	FC 4	32.2	FC 4	30.2	FC 4	FC 4			
13274	NOT PREGNANT																			
13275	27.4	28.2	MC 4	27.2	27.6	MS	FC 4	27.1	25.0	26.3	FC 4	FC 4	26.1	FC 4						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 16): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY								POSTPARTUM DAY 21						
13201	55.1	52.9	MC 4	MC 4	MC 4	57.1	55.1	54.8	FC 4	51.1	54.2	51.2	FC 4	FD 1	FS	FS				
13202	MC 4	53.8	52.4	53.2	52.1	MC 4	49.4	FC 4	52.8	49.3	50.8	FC 4	FC 4	FC 4	FC 4	FS				
13203	MC 4	MC 4	MC 4	38.6	MC 4	41.3	37.3	36.4	39.8	36.1	FC 4	FC 4	35.9	38.1	FM 3	FM 2				
13204	44.8	MC 4	MC 4	MC 4	MC 4	42.6	44.9	39.9	MD 4	MM 2	FC 4	FC 4	43.4	FC 4	37.7	FC 4	43.0	41.4		
13205a																				
13206	60.2	62.7	61.5	59.0	61.2	57.4														
13207	MC 4	47.8	52.5	50.6	MC 4	MC 4	MC 4	MC 4	47.4	MC 4	MC 4	MC 4	MC 4	FC 4	44.2	48.5	47.3	FC 4	47.0	
13208	50.4	48.4	47.8	MC 4	51.4	MC 4	MD 2	53.0	50.0	46.4	FC 4	FC 4	46.5							
13209	NOT PREGNANT																			
13210	MC 4	MC 4	MC 4	MC 4	44.7	43.5	42.3	42.5	MC 4	MD 2	41.6	38.2	42.4	42.9	FC 4	FC 4	FC 4			
13211	58.0	62.0	58.9	58.7	53.2															
13212	53.2	51.0	MC 4	52.2	MC 4	55.6	48.4	FC 4	FC 4	FC 4	53.9	52.2	51.1	FC 4						
13213	49.0	FC 4	47.1	42.0	48.0	FC 4	41.6	FC 4	FC 4	43.9	46.1	FC 4	FC 4	FC 4	46.4					
13214	MC 4	55.4	MC 4	MC 4	55.0	53.9	MC 4	MC 4	52.9	MD 1	MS	MS	44.2	47.2	FC 4	54.9	FC 4	49.3		
13215	53.0	54.9	52.9	FC 4	49.2	FC 4	54.0	50.3	FC 4	52.0	FC 4	FC 4	48.0	FC 4						
13216	58.4	MC 4	50.2	MC 4	54.3	MC 4	55.8	MC 4	52.6	FC 4	FC 4	55.3	52.9	FC 4	58.8					
13217	MC 4	51.2	MC 4	52.7	MC 4	MC 4	50.1	53.1	MC 4	51.5	FC 4	FC 4	44.9	FC 4	51.1	FC 4	54.3			
13218	MC 4	MC 4	55.0	MC 4	MC 4	53.6	56.1	58.5	MC 4	FC 4	56.2	51.1	53.7	49.5						
13219	50.5	MC 4	MC 4	51.7	54.0	MC 4	50.6	MC 4	50.5	FC 4	48.2	52.9	49.9	FC 4	FM 2					
13220	MC 4	MC 4	MC 4	52.8	48.9	48.9	49.2	FC 4	51.5	51.2	FC 4	FC 4	FC 4	44.6	48.1	FC 4	FC 4			
13221	FOUND DEAD ON DAY 28 POSTWEANING																			
13222	47.7	50.1	MS	48.1	47.2	51.3	48.7	FC 4	51.0	43.7										
13223	MC 4	52.2	55.0	49.6	55.1	FC 4	FC 4	51.1	FC 4	FC 4	FC 4	50.8	51.2	48.1						
13224	51.7	MC 4	52.3	MC 4	MC 4	49.2	48.7	MC 4	FC 4	FC 4	48.9	FC 4	47.1	47.1	46.4					
13225	MC 4	MC 4	49.4	48.9	MC 4	53.0	49.1	48.0	47.9	45.9	47.1	FC 4								

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

006278

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 17): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
RAT/ LITTER #	MATERNAL DOSAGE GROUP II								0.1 MG/KG/DAY				POSTPARTUM DAY 21							
13226	MC 4	MC 4	52.6	52.5	52.5	50.1	MS	55.7	54.0	FC 4	52.6	51.0								
13227	MC 4	MC 4	49.2	MC 4	MC 4	51.0	54.6	51.3	FC 4	54.6	50.3	54.4	51.6							
13228	NOT PREGNANT																			
13229	MC 4	MC 4	MC 4	47.8	MC 4	MC 4	46.7	45.7	48.2	33.8	FC 4	44.4	45.7	45.0	FC 4					
13230	MC 4	39.8	37.3	38.7	MC 4	MC 4	MC 4	MC 4	40.9	37.0	39.6	40.4	39.3							
13231	MC 4	58.6	MC 4	58.1	58.0	53.5	FC 4	FC 4	51.7	FC 4	53.8	FC 4	FC 4	54.2	FC 4	FC 4	57.1			
13232	53.3	55.9	54.3	MC 4	MC 4	MC 4	54.0	55.4	FC 4	FC 4	53.8	52.8	52.7							
13233	MC 4	MC 4	51.3	50.2	MC 4	MC 4	49.7	49.9	FC 4	47.6	51.4	47.3	FC 4	FC 4	FC 4	46.9				
13234	MC 4	54.2	MC 4	MC 4	MC 4	53.4	51.0	57.5	MS	MS	MS	49.7	FC 4	56.4	50.6	52.8	FM 4	FS	FS	
13235	51.3	53.2	45.8	MD 2	MD 1	MD 1	48.9	46.7	52.3	43.8										
13236	MC 4	50.6	MC 4	MC 4	MC 4	MC 4	46.7	46.2	44.1	MC 4	44.4	FC 4	47.2	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	49.4
	44.4																			
13237	49.9	53.6	MC 4	57.6	49.1	MC 4	MC 4	54.2	FC 4	52.2	FC 4	FC 4	49.5	51.4						
13238	59.4	MC 4	MC 4	58.0	55.6	MC 4	56.1	FC 4	55.4	58.0	57.3	FC 4	FC 4	54.9	FC 4	FC 4				
13239	54.4	57.4	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	56.6	54.8	59.3	FC 4	52.9	54.4	51.8					
13240	41.9	MC 4	MC 4	47.0	49.5	MC 4	46.3	MC 4	41.9	44.3	FC 4	49.5	FC 4	FC 4	46.8	FC 4				
13241	45.4	43.8	MC 4	MC 4	40.5	41.6	MC 4	MC 4	MC 4	FC 4	FC 4	42.7	49.5	47.0	FC 4	44.8				
13242	54.3	53.4	59.2	MC 4	MC 4	MC 4	MC 4	MC 4	57.3	52.3	FC 4	FC 4	FC 4	FC 4	54.8	53.4	57.4			
13243	NOT PREGNANT																			
13244	NOT PREGNANT																			
13245	NOT PREGNANT																			
13246	51.1	50.0	51.3	49.0	MC 4	FC 4	46.3	FC 4	48.4	FC 4	FC 4	50.4	FC 4	FC 4	47.7					
13247	46.0	44.5	MC 4	MD 7	MD 6	49.5	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	43.3	FC 4	43.6	FD10				
13248	42.8	MC 4	46.9	MC 4	44.3	MC 4	46.2	MC 4	43.9	FC 4	43.1	FC 4	FC 4	FC 4	43.8	42.2	FC 4	FS		
13249	MC 4	MC 4	44.4	44.8	43.4	42.7	MC 4	45.8	FC 4	FC 4	FC 4	FC 4	43.1	43.0	42.2	FC 4				
13250	46.2	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	47.0	MC 4	45.2	MC 4	47.4	42.7	42.8	43.2	43.4	FC 4			

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

C006279

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E37 (PAGE 18): PUP BODY WEIGHTS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III									0.4 MG/KG/DAY				POSTPARTUM DAY 21						
13251	MC 4	63.7	59.6	60.2	MC 4	57.5	MC 4	46.9	50.9	FC 4	FC 4	55.7	59.6							
13252	MC 4	MC 4	39.5	MC 4	36.7	41.2	MC 4	38.5	FC 4	FC 4	FC 4	37.3	38.4	36.7	39.4					
13253	53.2	MC 4	53.8	MC 4	48.7	MC 4	46.0	53.2	FC 4	41.2	FC 4	51.1	FC 4	39.5	FM 2					
13254	39.3	32.0	34.0	MD 4	MM 3	MM 3	32.2	FC 4	FC 4	32.9	27.5	35.8	25.9	FD 4	FM 4	FD 3	FD 3			
13255	MC 4	MC 4	MC 4	43.3	MC 4	41.4	43.3	MS	MD 5	42.5	FC 4	42.8	42.2	FC 4	38.7	FS	FS	FS		
13256	53.9	MC 4	54.9	56.3	59.3	MS	FC 4	FC 4	51.7	FC 4	FC 4	54.8	51.8	54.2	FM 3					
13257	FOUND DEAD ON DAY 10 OF LACTATION; EIGHT PUPS WERE SACRIFICED ON DAY 10 POSTPARTUM																			
13258	55.2	MC 4	54.9	MC 4	55.0	58.9	FC 4	53.7	FC 4	FC 4	49.5	FC 4	53.5	FC 4	53.3					
13259	MC 4	51.7	52.7	MC 4	49.4	MC 4	53.1	MC 4	50.7	MD 1	50.1	50.1	50.6							
13260	51.4	MC 4	MC 4	52.0	MC 4	49.3	51.5	MM 2	MD 1	47.9	FC 4	48.0	46.6	FC 4	49.8	FC 4	FC 4	FC 4		
13261	41.6	43.0	MD 7	MD 6	FC 4	FC 4	FC 4	FC 4	40.6	40.2	37.9	FD 6	FC 4	FC 4						
13262	MC 4	MC 4	49.7	53.3	49.3	MM 9	46.7	FC 4	48.1	51.0	FD 5	FS								
13263	47.0	MC 4	MC 4	48.0	46.2	47.1	MC 4	MC 4	MC 4	FC 4	43.2	43.0	FC 4	40.7	43.6					
13264	44.2	39.5	MC 4	46.6	MC 4	MC 4	46.1	41.7	44.5	FC 4	42.8	FC 4	FC 4	FC 4	FC 4	44.6				
13265	48.1	44.8	47.0	45.2	46.3	44.0	31.0													
13266	44.9	41.0	43.7	MC 4	44.2	MC 4	MM 3	FC 4	FC 4	40.2	FC 4	FC 4	40.4	FC 4	42.6	FC 4	FC 4	41.5		
13267	35.4	40.3	40.6	39.7	MC 4	FC 4	FC 4	39.9	38.9	FC 4	41.7	FC 4	FC 4	FC 4	FC 4	FC 4	35.2			
13268	44.0	45.4	MC 4	40.8	MC 4	MC 4	41.9	42.1	39.2	43.2	42.7	FC 4	FC 4	FS						
13269	MC 4	48.0	MC 4	46.1	MC 4	MC 4	45.1	MC 4	MC 4	45.2	49.3	46.8	42.2	48.5						
13270	48.3	MC 4	MC 4	53.2	50.8	MC 4	49.0	45.9	FC 4	FC 4	FC 4	52.2	48.7	47.9	FC 4	US				
13271	55.0	49.0	49.2	61.1	MS	51.0	48.6	FC 4	49.5	49.4	FC 4									
13272	MC 4	63.1	MC 4	MC 4	MC 4	MC 4	62.5	MC 4	55.0	55.3	MC 4	MS	MS	FC 4	51.7	62.3	52.9	54.6		
13273	49.8	47.5	50.5	MC 4	49.7	MC 4	MS	50.8	FC 4	46.0	FC 4	FC 4	44.8	FC 4	49.9	FC 4	FC 4			
13274	NOT PREGNANT																			
13275	43.4	42.9	MC 4	42.6	43.7	MS	FC 4	41.5	41.9	41.5	FC 4	FC 4	41.0	FC 4						

ALL WEIGHTS WERE RECORDED IN GRAMS (G).
FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

C00680

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E38 (PAGE 1): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP I												0 (VEHICLE) MG/KG/DAY										
13201	M	A	M	A	MC	4	MC	4	MC	4	M	A	M	A	F	A	FC	4	F	A	F	A	F	A	FC	4	FD	1	F	S	F	S
13202	MC	4	M	A	M	A	M	A	M	A	MC	4	F	A	FC	4	F	A	F	A	F	A	FC	4	FC	4	FC	4	FC	4	F	S
13203	MC	4	MC	4	MC	4	M	A	MC	4	M	A	M	A	M	A	F	A	F	A	FC	4	FC	4	F	A	F	A	FM	3	FM	2
13204	M	A	MC	4	MC	4	MC	4	MC	4	M	A	M	A	M	A	MD	4	MM	2	FC	4	FC	4	F	A	FC	4	F	A	FC	4	F	A	F	A
13205a																																			
13206	M	A	M	A	M	A	F	A	F	A	F	A																							
13207	MC	4	M	A	M	A	M	A	MC	4	MC	4	MC	4	MC	4	M	A	MC	4	MC	4	MC	4	MC	4	FC	4	F	A	F	A	F	A	FC	4	F	A
13208	M	A	M	A	M	A	MC	4	M	A	MC	4	MD	2	F	A	F	A	F	A	FC	4	FC	4	F	A										
13209	NOT PREGNANT																																		
13210	MC	4	MC	4	MC	4	MC	4	M	A	M	A	M	A	M	A	MC	4	MD	2	F	A	F	A	F	A	F	A	FC	4	FC	4	FC	4		
13211	M	A	M	A	M	A	F	A	F	A																									
13212	M	A	M	A	MC	4	M	A	MC	4	M	A	F	A	FC	4	FC	4	FC	4	F	A	F	A	F	A	FC	4							
13213	M	A	FC	4	F	A	F	A	F	A	FC	4	F	A	FC	4	FC	4	F	A	F	A	FC	4	FC	4	FC	4	F	A					
13214	MC	4	M	A	MC	4	MC	4	M	A	M	A	MC	4	MC	4	M	A	MD	1	M	S	M	S	F	A	F	A	FC	4	F	A	FC	4	F	A
13215	M	A	M	A	M	A	FC	4	F	A	FC	4	F	A	F	A	FC	4	F	A	FC	4	FC	4	F	A	FC	4							
13216	M	A	MC	4	M	A	MC	4	M	A	MC	4	M	A	MC	4	F	A	FC	4	FC	4	F	A	F	A	FC	4	F	A					
13217	MC	4	M	A	MC	4	M	A	MC	4	MC	4	M	A	M	A	MC	4	F	A	FC	4	FC	4	F	A	FC	4	F	A	FC	4	F	A		
13218	MC	4	MC	4	M	A	MC	4	MC	4	M	A	M	A	M	A	MC	4	FC	4	F	A	F	A	F	A	F	A								
13219	M	A	MC	4	MC	4	M	A	M	A	MC	4	M	A	MC	4	F	A	FC	4	F	A	F	A	F	A	FC	4	FM	2					
13220	MC	4	MC	4	MC	4	M	A	M	A	M	A	M	A	FC	4	F	A	F	A	FC	4	FC	4	FC	4	F	A	F	A	FC	4	FC	4		
13221	FOUND DEAD ON DAY 28 POSTWEANING																																		
13222	M	A	M	A	M	S	F	A	F	A	F	A	F	A	FC	4	F	A	F	A															
13223	MC	4	M	A	M	A	M	A	M	A	FC	4	FC	4	F	A	FC	4	FC	4	FC	4	F	A	F	A	F	A								
13224	M	A	MC	4	M	A	MC	4	MC	4	M	A	M	A	MC	4	FC	4	FC	4	F	A	FC	4	F	A	F	A	F	A						
13225	MC	4	MC	4	M	A	M	A	MC	4	M	A	M	A	F	A	F	A	F	A	F	A	FC	4												

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Rat 13205 was excluded from study on day 7 postweaning; the sex was incorrectly identified.

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E38 (PAGE 2): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP II												0.1 MG/KG/DAY										
13226	MC 4	MC 4	M A	M A	M A	M A	M S	F A	F A	FC 4	F A	F A											
13227	MC 4	MC 4	M A	MC 4	MC 4	M A	M A	M A	FC 4	F A	F A	F A	F A										
13228	NOT PREGNANT																						
13229	MC 4	MC 4	MC 4	M A	MC 4	MC 4	M A	M A	M A	F A	FC 4	F A	F A	F A	FC 4								
13230	MC 4	M A	M A	M A	MC 4	MC 4	MC 4	MC 4	M A	F A	F A	F A	F A										
13231	MC 4	M A	MC 4	M A	M A	M A	FC 4	FC 4	F A	FC 4	F A	FC 4	FC 4	F A	FC 4	FC 4	F A						
13232	M A	M A	M A	MC 4	MC 4	MC 4	M A	F A	FC 4	FC 4	F A	F A	F A										
13233	MC 4	MC 4	M A	M A	MC 4	MC 4	M A	M A	FC 4	F A	F A	F A	FC 4	FC 4	FC 4	F A							
13234	MC 4	M A	MC 4	MC 4	MC 4	M A	M A	M A	M S	M S	M S	F A	FC 4	F A	F A	F A	FM 4	F S	F S				
13235	M A	M A	M A	MD 2	MD 1	MD 1	F A	F A	F A	F A													
13236	MC 4	M A	MC 4	MC 4	MC 4	MC 4	M A	M A	M A	MC 4	F A	FC 4	F A	FC 4	FC 4	FC 4	FC 4	FC 4	F A	F A			
13237	M A	M A	MC 4	M A	M A	MC 4	MC 4	F A	FC 4	F A	FC 4	FC 4	F A	F A									
13238	M A	MC 4	MC 4	M A	M A	MC 4	M A	FC 4	F A	F A	F A	FC 4	FC 4	F A	FC 4	FC 4							
13239	M A	M A	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	M A	M A	F A	FC 4	F A	F A	F A								
13240	M A	MC 4	MC 4	M A	M A	MC 4	M A	MC 4	F A	F A	FC 4	F A	FC 4	FC 4	F A	FC 4							
13241	M A	M A	MC 4	MC 4	M A	M A	MC 4	MC 4	MC 4	FC 4	FC 4	F A	F A	F A	FC 4	F A							
13242	M A	M A	M A	MC 4	MC 4	MC 4	MC 4	MC 4	M A	F A	FC 4	FC 4	FC 4	FC 4	F A	F A	F A						
13243	NOT PREGNANT																						
13244	NOT PREGNANT																						
13245	NOT PREGNANT																						
13246	M A	M A	M A	M A	MC 4	FC 4	F A	FC 4	F A	FC 4	FC 4	F A	FC 4	FC 4	F A								
13247	M A	M A	MC 4	MD 7	MD 6	F A	FC 4	FC 4	FC 4	FC 4	FC 4	FC 4	F A	FC 4	F A	FD10							
13248	M A	MC 4	M A	MC 4	M A	MC 4	M A	MC 4	F A	FC 4	F A	FC 4	FC 4	FC 4	F A	F A	FC 4	F S					
13249	MC 4	MC 4	M A	M A	M A	M A	MC 4	F A	FC 4	FC 4	FC 4	FC 4	F A	F A	F A	FC 4							
13250	M A	MC 4	MC 4	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	MC 4	M A	F A	F A	F A	F A	FC 4						

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED)
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

000682

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E38 (PAGE 3): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP III												0.4 MG/KG/DAY										
13251	MC 4	M A	M A	M A	MC 4	M A	MC 4	F A	F A	FC 4	FC 4	F A	F A										
13252	MC 4	MC 4	M A	MC 4	M A	M A	MC 4	M A	FC 4	FC 4	FC 4	F A	F A	F A	F A								
13253	M A	MC 4	M A	MC 4	M A	MC 4	M A	F A	FC 4	F A	FC 4	F A	FC 4	F A	FM 2								
13254	M A	M A	M A	MD 4	MM 3	MM 3	F A	FC 4	FC 4	F A	F A	F A	F A	FD 4	FM 4	FD 3	FD 3						
13255	MC 4	MC 4	MC 4	M A	MC 4	M A	M A	M S	MD 5	F A	FC 4	F A	F A	FC 4	F A	F S	F S	F S					
13256	M A	MC 4	M A	M A	M A	M S	FC 4	FC 4	F A	FC 4	FC 4	F A	F A	F A	FM 3								
13257a	MX10	MC 4	MC 4	MX10	MX10	MX10	FC 4	FC 4	FX10	FC 4	FC 4	FX10	FX10	FX10	FC 4								
13258	M A	MC 4	M A	MC 4	M A	M A	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	FC 4	F A								
13259	MC 4	M A	M A	MC 4	M A	MC 4	M A	MC 4	M A	MD 1	F A	F A	F A										
13260	M A	MC 4	MC 4	M A	MC 4	M A	M A	MM 2	MD 1	F A	FC 4	F A	F A	FC 4	F A	FC 4	FC 4	FC 4					
13261	M A	M A	MD 7	MD 6	FC 4	FC 4	FC 4	FC 4	F A	F A	F A	FD 6	FC 4	FC 4									
13262	MC 4	MC 4	M A	M A	M A	MM 9	F A	FC 4	F A	F A	FD 5	F S											
13263	M A	MC 4	MC 4	M A	M A	M A	MC 4	MC 4	MC 4	FC 4	F A	F A	FC 4	F A	F A								
13264	M A	M A	MC 4	M A	MC 4	MC 4	M A	F A	F A	FC 4	F A	FC 4	FC 4	FC 4	FC 4	F A							
13265	M A	M A	F A	F A	F A	F A	F A																
13266	M A	M A	M A	MC 4	M A	MC 4	MM 3	FC 4	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	FC 4	FC 4	F A					
13267	M A	M A	M A	M A	MC 4	FC 4	FC 4	F A	F A	FC 4	F A	FC 4	FC 4	FC 4	FC 4	F A							
13268	M A	M A	MC 4	M A	MC 4	MC 4	M A	F A	F A	F A	F A	FC 4	FC 4	F S									
13269	MC 4	M A	MC 4	M A	MC 4	MC 4	M A	MC 4	MC 4	M A	F A	F A	F A	F A	F A								
13270	M A	MC 4	MC 4	M A	M A	MC 4	M A	F A	FC 4	FC 4	FC 4	F A	F A	F A	FC 4	U S							
13271	M A	M A	M A	M A	M S	F A	F A	FC 4	F A	F A	FC 4												
13272	MC 4	M A	MC 4	MC 4	MC 4	MC 4	M A	MC 4	M A	M A	MC 4	M S	M S	FC 4	F A	F A	F A	F A					
13273	M A	M A	M A	MC 4	M A	MC 4	M S	F A	FC 4	F A	FC 4	FC 4	F A	FC 4	F A	FC 4	FC 4						
13274	NOT PREGNANT																						
13275	M A	M A	MC 4	M A	M A	M S	FC 4	F A	F A	F A	FC 4	FC 4	F A	FC 4									

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE
SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, C-CULLED, M-MISSING (PRESUMED CANNIBALIZED), X-SACRIFICED
NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.
a. Dam 13257 was found dead on day 10 of lactation; eight pups were sacrificed on day 10 postpartum.

000683

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TABLE E39 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 21 POSTPARTUM - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I 0 (VEHICLE)	13208	1	1/13 PUPS: COLD TO TOUCH, DECREASED MOTOR ACTIVITY, NOT NESTING OR NURSING.
	13211	1-21	1/ 5 PUPS: TIP OF TAIL MISSING.b
II 0.1	-	-	-
III 0.4	13251	7-21	1/ 8 PUPS: UMBILICAL HERNIA.b
	13258	21	1/ 8 PUPS: TIP OF TAIL MISSING.b

a. Tabulation restricted to adverse observations; all other pups appeared normal.
b. Observation confirmed at necropsy.

000584

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I 0 (VEHICLE)	13201	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL. 1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13202	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4	ALL PUPS APPEARED NORMAL.
		21	1 PUP: BRAIN, HYDROCEPHALY, EXTREME DILATION OF ALL VENTRICLES. ALL OTHER TISSUES APPEARED NORMAL. ALL OTHER PUPS APPEARED NORMAL.
	13203	4,21	ALL PUPS APPEARED NORMAL.
	13204	4	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL. ALL OTHER PUPS APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	13206	21	ALL PUPS APPEARED NORMAL.
	13207	4,21	ALL PUPS APPEARED NORMAL.
	13208	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13210	2	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13211	21	ALL PUPS APPEARED NORMAL.
	13212	4,21	ALL PUPS APPEARED NORMAL.
	13213	4,21	ALL PUPS APPEARED NORMAL.
	13214	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	2 PUPS: STILLBORN. ALL PUPS APPEARED NORMAL.
	13215	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.

000685

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I (Cont.)			
0 (VEHICLE)	13216	4,21	ALL PUPS APPEARED NORMAL.
	13217	4,21	ALL PUPS APPEARED NORMAL.
	13218	4,21	ALL PUPS APPEARED NORMAL.
	13219	4,21	ALL PUPS APPEARED NORMAL.
	13220	4,21	ALL PUPS APPEARED NORMAL.
	13222	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13223	4,21	ALL PUPS APPEARED NORMAL.
	13224	4,21	ALL PUPS APPEARED NORMAL.
	13225	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.

000686

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
II 0.1	13226	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13227	4,21	ALL PUPS APPEARED NORMAL.
	13229	4,21	ALL PUPS APPEARED NORMAL.
	13230	4,21	ALL PUPS APPEARED NORMAL.
	13231	4,21	ALL PUPS APPEARED NORMAL.
	13232	4,21	ALL PUPS APPEARED NORMAL.
	13233	4,21	ALL PUPS APPEARED NORMAL.
	13234	1	5 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13235	1	2 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		2	1 PUP: FOUND DEAD.
		21	ALL PUPS APPEARED NORMAL.
	13236	4,21	ALL PUPS APPEARED NORMAL.
	13237	4,21	ALL PUPS APPEARED NORMAL.
	13238	4,21	ALL PUPS APPEARED NORMAL.
	13239	4,21	ALL PUPS APPEARED NORMAL.
	13240	4,21	ALL PUPS APPEARED NORMAL.
	13241	4,21	ALL PUPS APPEARED NORMAL.
	13242	4,21	ALL PUPS APPEARED NORMAL.
	13246	4,21	ALL PUPS APPEARED NORMAL.
	13247	4	ALL PUPS APPEARED NORMAL.
		6	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		7	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		10	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	1 PUP: LIVER, MEDIAN AND LEFT LATERAL LOBES, TAN RAISED AREAS (0.1 CM X 0.1 CM AND 0.5 CM X 0.5 CM). ALL OTHER TISSUES APPEARED NORMAL.
			ALL OTHER PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.

000687

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
II (Cont.)			
0.1	13248	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13249	4,21	ALL PUPS APPEARED NORMAL.
	13250	4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.

000688

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 5): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
III			
0.4	13251	4,21	ALL PUPS APPEARED NORMAL.
	13252	4,21	ALL PUPS APPEARED NORMAL.
	13253	4,21	ALL PUPS APPEARED NORMAL.
	13254	3	2 PUPS: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4	2 PUPS: FOUND DEAD. ALL OTHER PUPS APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	13255	1	4 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4	ALL PUPS APPEARED NORMAL.
		5	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.
	13256	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13257b	4,10	ALL PUPS APPEARED NORMAL.
	13258	4,21	ALL PUPS APPEARED NORMAL.
	13259	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13260	1	1 PUP: FOUND DEAD.
		4,21	ALL PUPS APPEARED NORMAL.
	13261	4	ALL PUPS APPEARED NORMAL.
		6	2 PUPS: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		7	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL OTHER TISSUES APPEARED NORMAL.
		21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.
b. Dam 13257 was found dead on day 10 of lactation; eight pups were sacrificed on day 10 postpartum.

000689

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS (SPONSOR'S STUDY NUMBER: 6295.9)

TABLE E40 (PAGE 6): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F2 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
III (Cont.)			
0.4	13262	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4	ALL PUPS APPEARED NORMAL.
		5	1 PUP: FOUND DEAD. NO MILK IN STOMACH.
		21	ALL PUPS APPEARED NORMAL.
	13263	4,21	ALL PUPS APPEARED NORMAL.
	13264	4,21	ALL PUPS APPEARED NORMAL.
	13265	21	ALL PUPS APPEARED NORMAL.
	13266	4,21	ALL PUPS APPEARED NORMAL.
	13267	4,21	ALL PUPS APPEARED NORMAL.
	13268	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13269	4,21	ALL PUPS APPEARED NORMAL.
	13270	1	1 PUP: STILLBORN.
		4,21	ALL PUPS APPEARED NORMAL.
	13271	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13272	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13273	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.
	13275	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		4,21	ALL PUPS APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table E39) for external clinical observations confirmed at necropsy.

APPENDIX F

PROTOCOL AND AMENDMENTS

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

PROTOCOL 418-008

SPONSOR'S STUDY NUMBER: 6295.9

STUDY TITLE: Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of PFOS in Rats.

PURPOSE: The purpose of this study is to test for toxic effects/ disturbances resulting from PFOS treatment of Crl:CD®BR VAF/Plus® male and female rats before cohabitation through mating, gestation and lactation. This study evaluates ICH Harmonised Tripartite Guideline stages A through F of the reproductive process and should detect effects on the estrous cycle, tubal transport, implantation, gestation, parturition, lactation and maternal behavior in female rats, on the development of the offspring of the treated male and female rats, and permit detection of functional effects (e.g., effects on libido or epididymal sperm maturation) that may not be detected by histological examinations of male rat reproductive organs. Because manifestations of effects induced during this period may be delayed in the offspring, observations will be continued through production of F2 generation litters.

TESTING FACILITY: Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044-1297
Telephone: (215) 443-8710
Telefax: (215) 443-8587

STUDY DIRECTOR: Raymond G. York, Ph.D., DABT
Associate Director of Research

SPONSOR: 3M Toxicology Services
3M Center, Building 220-2E-02
St. Paul, Minnesota 55144-1000

STUDY MONITOR: Marvin T. Case, D.V.M., Ph.D.
Telephone: (612) 733-5180
Telefax: (612) 733-1773

ALTERNATE STUDY MONITOR: Andrew M. Seacat, Ph.D.
Telephone: (612) 575-3161
Telefax: (612) 733-1773

REGULATORY CITATIONS:

Study Design as Modification of: U.S. Food and Drug Administration (1994). International Conference on Harmonisation; Guideline on detection of toxicity to reproduction for medicinal products. *Federal Register*, September 22, 1994, Vol. 59, No. 183.

U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.

Japanese Ministry of Health and Welfare (1997). *Good Laboratory Practice Standard for Safety Studies on Drugs*, MHW Ordinance Number 21, March 26, 1997.

European Economic Community (1989). *Council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice*. Official Journal of the European Communities: Legislation. 32 (No. L 315; 28 October): 1-17.

REGULATORY COMPLIANCE:

This study will be conducted in compliance with the Good Laboratory Practice (GLP) regulations cited above.

All changes or revisions of this protocol shall be documented, signed by the Study Director and the Sponsor, dated and maintained with the protocol.

The Quality Assurance Unit (QAU) will audit the protocol, the raw data and the report, and will inspect critical phases of the study in accordance with the Standard Operating Procedures of Argus Research Laboratories, Inc.

The final report will include a statement signed by the Study Director that the report accurately reflects the raw data obtained during the performance of the study and that all applicable GLP regulations were followed in the conduct of the study. Should significant deviations from GLP regulations occur, each will be described in detail, together with how the deviation might affect the quality or integrity of the study.

STUDY SCHEDULE:

See ATTACHMENT 1 to the protocol.

TEST ARTICLE AND VEHICLE:

Identification:

Test Article:

Name:	PFOS.
Physical Description:	Light-colored powder.
Lot/Batch Number:	217.
Specific Gravity:	~0.6.
Purity:	98.9%.
Expiration Date:	May, 2000.

Information on the identity, composition, strength and purity of the test article is on file with the Sponsor.

Vehicle:

0.5% Tween 80 in Reversed Osmosis Membrane Processed Deionized Water (R.O. Deionized Water). Supplier and lot identification of Tween 80 to be documented in the raw data.

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the vehicle that would interfere with the results of this study. Therefore, no analyses other than those mentioned in this protocol will be conducted.

Safety Precautions:

Gloves, mask, appropriate eye protection and a uniform/lab coat are to be worn during formulation preparation and dosage administration. The Material Safety Data Sheet (MSDS) is attached to the protocol (ATTACHMENT 2).

Storage:

Bulk Test Article:	Room temperature.
Vehicle Components:	Room temperature.
Prepared Vehicle:	Room temperature.
Prepared Formulations:	Frozen (-20°C).

All test article shipments to the Testing Facility should be addressed to the attention of Julian Gulbinski, Manager of Formulations, at the previously cited address and telephone number.

Shipments should include information concerning storage conditions and shipping cartons should be labeled appropriately. The recipient should be notified in advance of shipment.

FORMULATION:

Frequency of Preparation:

Formulations (suspensions) will be prepared daily at the Testing Facility.

Detailed preparation procedures are attached to this protocol (ATTACHMENT 3).

Adjustment for Purity:

The test article will be considered 100% pure for the purpose of dosage calculations.

Testing Facility Reserve Samples:

The Sponsor will reserve a sample (1 g) of each lot of the bulk test article used during the course of this study. The Testing Facility will reserve a sample (5 mL) of each lot of the vehicle components used during the course of this study. Samples will be stored under the previously cited conditions.

ANALYSES:

Samples additional to those described below may be taken if deemed necessary during the course of the study.

Bulk Test Article Sampling:

No analyses of the bulk test article will be conducted during the course of this study. Information on the stability of the bulk test article is on file with the Sponsor.

Analyses of Prepared Formulations:

Stability:

Stability data for prepared formulations bracketing the range of concentrations and conditions of this study are on file with the Sponsor and will not be determined during the conduct of this study. Suspensions will be prepared daily at the Testing Facility.

Homogeneity Analyses:

Homogeneity of the test article in prepared suspensions will be verified during the course of this study. A syringe will be used to withdraw samples (5 mL each) from the top, middle and bottom of the highest concentration on the first day of preparation. Each sample (5 mL) will be divided into two aliquots, one of 2 mL and one of 3 mL. One aliquot (2 mL) will be shipped for analysis; the other aliquot (3 mL) will be retained at the Testing Facility as a backup sample. Backup samples will be stored under the previously cited conditions and discarded at the Testing Facility upon the request of the Sponsor.

Concentration Analyses:

Concentration of the prepared test article suspensions will be verified during the course of this study. A syringe will be used to withdraw samples (5 mL each) from each concentration during the first and sixth week of dosage administration. Each sample (5 mL each) will be divided into two aliquots, one of 2 mL and one of 3 mL. One aliquot (2 mL) will be shipped for analysis; the other aliquot (3 mL) will be retained at the Testing Facility as a backup sample. Backup samples will be stored under the previously cited conditions and discarded at the Testing Facility upon the request of the Sponsor.

Shipping Instructions:

Samples to be analyzed will be shipped (frozen on dry ice) to:

Kris J. Hansen, Ph.D.
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 2-3E-09
St. Paul, Minnesota 55133-3331
Telephone: (612) 778-6018
Telefax: (612) 778-6176

Both the recipient and the Study Monitor will be notified in advance of sample shipment.

DISPOSITION:

Prepared formulations will be discarded at the Testing Facility. All remaining bulk test article will be returned to the Study Monitor at the previously cited address.

TEST SYSTEM:

Species/Strain and Reason for Selection:

The Crl:CD®BR VAF/Plus® (Sprague-Dawley) rat was selected as the Test System because: 1) this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins and has been widely used throughout industry for reproductive and developmental toxicity evaluations; 2) historical data and experience exist at the Testing Facility[1-3]; and 3) the test article is pharmacologically active in the species and strain.

Number:

Initial population acclimated:	195 virgin male and 205 virgin female rats.
Population selected for study:	175 male rats (35 per dosage group) and 175 female rats (35 per dosage group).

Ten mated female rats will be assigned to Caesarean-sectioning on day 10 of presumed gestation; the remaining female rats will be permitted to deliver litters.

250 F1 generation pups (25 per sex per dosage group) will be selected at weaning on day 21 postpartum for continued postnatal observation.

Body Weight and Age:

Male rats will be ordered to weigh from 300 g to 325 g each at receipt, at which time they will be expected to be at least 60 days of age. Female rats will be ordered to weigh from 200 g to 225 g each at receipt, at which time they will be expected to be at least 60 days of age. Actual body weights will be recorded the day after receipt and will be documented in the raw data. The weight ranges will be included in the final report.

Sex:

Both Fo and F1 generation male and female rats will be evaluated. Only Fo generation male and female rats will be given the test article.

Source:

Charles River Laboratories, Inc., Raleigh, North Carolina.

The rats will be shipped in filtered cartons by air freight and/or truck from Charles River Laboratories, Inc., to the Testing Facility.

Identification:

Fo Generation:

Rats are permanently identified using Monel® self-piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Male and female rats are assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study before administration of the first dosage of the test article.

F1/F2 Generations:

Pups will not be individually identified during lactation; all parameters will be evaluated in terms of the litter. At weaning, each rat selected for continued observation will be identified with a Monel® self-piercing ear tag.

ANIMAL HUSBANDRY:

All cage sizes and housing conditions are in compliance with the *Guide for the Care and Use of Laboratory Animals*[4].

Housing:

Fo Generation Rats/F1 Generation Litters:

Fo generation rats will be individually housed in stainless steel wire-bottomed cages except during the cohabitation and postpartum periods. During cohabitation, each pair of rats will be housed in the male rat's cage. Beginning no later than day 20 of presumed gestation, Fo generation female rats assigned to natural delivery will be individually housed in nesting boxes. Each dam and delivered litter will be housed in a common nesting box during the postpartum period.

F1 Generation Rats/F2 Generation Litters:

After weaning, the F1 generation rats will be individually housed before cohabitation, housed in pairs (one male rat per female rat) during cohabitation, and individually housed after cohabitation. The same type of caging will be used as described for the Fo generation rats. Beginning no later than day 20 of presumed gestation, F1 generation female rats will be individually housed in nesting boxes. Each dam and delivered litter will be housed in a common nesting box during the postpartum period.

Nesting Material:

Bedding material (bed-o'cobs®) will be supplied to female rats assigned to natural delivery.

Bedding will be changed as often as necessary to keep the animals dry and clean. Analyses for possible contamination are conducted annually and documented in the raw data.

Room Air, Temperature and Humidity:

The animal room is independently supplied with at least ten changes per hour of 100% fresh air that has been passed through 99.97% HEPA filters (Airo Clean® room). Room temperature will be maintained at 64°F (18°C) to 79°F (26°C) and monitored constantly. Room humidity will also be monitored constantly and maintained at 30% to 70%.

Light:

An automatically controlled 12-hour light:12-hour dark fluorescent light cycle will be maintained. Each dark period will begin at 1900 hours EST.

Diet:

Rats will be given Certified Rodent Diet® #5002 (PMI Nutrition International) available *ad libitum* from individual feeders.

Water:

Water will be available *ad libitum* from individual bottles attached to the cages or from an automatic watering access system. All water will be from a local source and passed through a reverse osmosis membrane before use. Chlorine will be added to the processed water as a bacteriostat; processed water is expected to contain no more than 1.2 ppm chlorine at the time of analysis. Water is analyzed monthly for possible bacterial contamination and twice annually for possible chemical contamination.

Contaminants:

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the certified diet, the drinking water or the nesting material at levels that would interfere with the results of this study. Therefore, no analyses other than those routinely performed by the feed supplier or those mentioned in this protocol will be conducted.

RANDOMIZATION AND COHABITATION:

Fo Generation:

Upon arrival, rats will be assigned to individual housing on the basis of computer-generated random units. After acclimation, male and female rats will be selected for study on the basis of physical appearance and body weights recorded during acclimation. The rats will be assigned to dosage groups based on computer-generated (weight-ordered) randomization procedures.

Within each dosage group, consecutive order will be used to assign rats to cohabitation, one male rat per female rat. The cohabitation period will consist of a maximum of 14 days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* will be considered to be at day 0 of presumed gestation and assigned to individual housing. Female rats not mated within the first 7 days of cohabitation will be assigned alternate male rats that have mated (same dosage group) and will remain in cohabitation for a maximum of seven additional days.

The first ten female rats per dosage group with a confirmed date of mating will be assigned to Caesarean-sectioning on day 10 of presumed gestation. The remaining female rats will be permitted to naturally deliver litters.

A table of random units will be used to assign five rats per group to a pharmacokinetic sample collection at scheduled sacrifice after completion of the cohabitation period (male rats siring litters with dams allowed to naturally deliver a litter) or on day 21 postpartum (female rats allowed to naturally deliver litters).

F1/F2 Generation Pups:

Day 1 of lactation (postpartum) is defined as the day of birth and is also the first day on which all pups in a litter are individually weighed (pup body weights will be recorded after all pups in a litter are delivered and groomed by the dam).

On day 4 postpartum, a table of random units will be used to select pups to be culled, and litters will be reduced to eight pups each. Whenever possible, the same number of male and female pups per litter will be continued on study.

At weaning of the F1 generation pups on day 21 postpartum, a table of random units will be used to select 25 male and 25 female pups per group, resulting in a total of 250 F1 generation rats (125 per sex) chosen for continued evaluation. At least one male pup and one female pup per litter, when possible, will be selected.

ADMINISTRATION:

Route and Reason for Choice:

The oral (gavage) route was selected for use because: 1) in comparison with the dietary route, the exact dosage can be accurately administered; and 2) it is one of the possible routes of human exposure.

Method and Frequency:

Dosages will be adjusted for the most recently recorded body weight and given at approximately the same time each day.

Fo Generation Male Rats:

Male rats will be given the test article once daily beginning 28 days before cohabitation (maximum 14 days) and continuing through the day before sacrifice. Male rats will be sacrificed after completion of the cohabitation period.

Fo Generation Female Rats:

Female rats will be given the test article once daily beginning 28 days before cohabitation (maximum of 14 days) and continuing through day 9 of presumed gestation (rats assigned to Caesarean-sectioning), day 24 of presumed gestation (rats assigned to natural delivery that do not deliver a litter) or day 20 postpartum (rats that deliver a litter).

F1 Generation:

F1 generation pups will not be directly given the test article, but may be possibly exposed to the test article during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

Rationale for Dosage Selection:

Dosages will be selected by the Sponsor on the basis of previous studies conducted with the test article.

Dosage Levels, Concentrations and Volumes:

Dosage Group	Number of Rats Per Sex	Dosage (mg/kg/day)	Concentration (mg/mL)	Dosage Volume (mL/kg)	Argus Batch Number
I	35	0 (Vehicle)	0	5	B-418-008-A(Day.Month.Year)
II	35	0.1	0.02	5	B-418-008-B(Day.Month.Year)
III	35	0.4	0.08	5	B-418-008-C(Day.Month.Year)
IV	35	1.6	0.32	5	B-418-008-D(Day.Month.Year)
V	35	3.2	0.64	5	B-418-008-E(Day.Month.Year)

The test article will be considered 100% pure for the purpose of dosage calculations.

TESTS, ANALYSES AND MEASUREMENTS - Fo GENERATION:

Viability - Male and Female Rats:

All Periods: At least twice daily.

Clinical Observations and/or General Appearance - Male and Female Rats:

Acclimation Period: At least once.

Dosage Period: Twice daily. Prior to dosage administration and once approximately one hour postdosage.

Maternal Behavior: Days 1, 4, 7, 14 and 21 postpartum. Any observed abnormal behavior will be recorded daily.

Clinical observations may be recorded more frequently than cited above, if deemed appropriate by the Study Director and/or Study Monitor.

Body Weights - Male Rats:

Acclimation Period: At least once.

Dosage Period: Weekly.

Sacrifice: Terminal weight.

Body Weights - Female Rats:

Acclimation Period:	At least once.
Dosage Period:	Weekly to cohabitation. Daily during presumed gestation and on Days 1, 4, 7 and 14 postpartum (rats assigned to natural delivery).
Sacrifice:	Terminal weight.

Feed Consumption Values - Male Rats (recorded and tabulated):

Dosage Period:	Weekly.

Feed Consumption Values - Female Rats (recorded and tabulated):

Dosage Period:	Weekly to cohabitation. Daily during presumed gestation. Days 1, 4, 7 and 14 postpartum (rats assigned to natural delivery).

Feed consumption not tabulated after day 14 postpartum, when it is expected that pups will begin to consume maternal feed.

Feed Consumption Values - Male and Female Rats:

Feed consumption values may be recorded more frequently than cited above if it is necessary to replenish the feed. During cohabitation, when two rats occupy the same cage with one feed jar, replenishment of the feed jars will be documented. Individual values will not be recorded or tabulated.

Estrous Cycling and Mating:

A table of random units will be used to select 15 female rats per group for evaluation of estrous cycling by examination of vaginal cytology for 14 days before the start of the cohabitation period.

During cohabitation, all female rats will be evaluated daily until spermatozoa are observed in a smear of the vaginal contents and/or a copulatory plug is observed *in situ*.

Duration of Gestation:

The duration of gestation is calculated from day 0 of presumed gestation to the day the first pup is observed.

Fertility Parameters:

Fertility Index (percentage of matings that result in pregnancies).

Gestation Index (percentage of pregnancies that result in birth of live litters).

Number of offspring per litter (live and dead pups).

Number of implantation sites.

General condition of dam and litter during the postpartum period.

Viability Indices (percentage of pups born that survive 4 and 7 days).

Lactation Index (percentage of pups born that survive 21 days).

Caesarean-Sectioning Observations:

Rats will be Caesarean-sectioned on day 10 of presumed gestation. Placentae that appear abnormal (size, color or shape) will be noted in the raw data. The rats will be examined for number and distribution of:

Corpora Lutea.

Implantation Sites.

Viable and Nonviable Embryos.
(A viable embryo is oval or crescent shaped, pink, firm and enclosed in an amniotic sac filled with clear fluid. A nonviable embryo is amorphous, small, pale pink to tan or deep red to black, soft and enclosed in an amniotic sac filled with clear, cloudy, or opaque fluid.)

Natural Delivery:

Female rats will be evaluated for:

Clinical Observations During Parturition.

Duration of Gestation (day 0 of presumed gestation to the time the first pup is observed).

Length of Parturition (time of delivery of last pup minus the time of delivery of the first pup divided by N-1 pups in each litter).

Litter Size (defined as all pups delivered).

Pup Viability at Birth.

METHOD OF SACRIFICE - Fo GENERATION:

Rats will be sacrificed by carbon dioxide asphyxiation. Embryos will be discarded after examination.

NECROPSY - Fo GENERATION:

Gross lesions will be retained in neutral buffered 10% formalin for possible future evaluation (a table of random units will be used to select one control group rat of each sex from which all tissues examined at necropsy will be retained, in order to provide control tissues for any possible histopathological evaluations of gross lesions). Unless specifically cited below, all other tissues will be discarded.

Male and Female Rats Assigned to Pharmacokinetic Sample Collection:

At scheduled sacrifice after completion of the cohabitation period (male rats siring litters with dams allowed to naturally deliver a litter) and on day 21 postpartum (female rats allowed to naturally deliver a litter), five rats per group will be assigned to a pharmacokinetic sample collection. In addition to the appropriate evaluations described below, blood samples (approximately 4 mL per rat) will be collected from the inferior vena cava into serum separator tubes and centrifuged. The resulting serum (approximately 2 mL) will be immediately frozen on dry ice and maintained frozen (-70°C) until shipment to the Sponsor for analysis. The liver will be excised, weighed, and a sample section (lateral lobe) will be frozen and retained at -70°C until shipment to the Sponsor for analysis.

After completion of sample collection, serum and liver section (lateral lobe) samples will be shipped (frozen on dry ice) to Kris J. Hansen, Ph.D., at the previously cited address for analysis. Both the recipient and the Study Monitor will be notified in advance of sample shipment.

Scheduled Sacrifice of Male Rats:

After completion of the cohabitation period, male rats will be sacrificed and a gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. The following organs will be excised and weighed and retained for possible histologic evaluation: testes, epididymides, prostate and seminal vesicles (weighed with and without fluid). The testes will be fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin for possible histopathological evaluation. The remaining organs will be retained in neutral buffered 10% formalin.

Scheduled Sacrifice - Female Rats Assigned to Caesarean-Sectioning:

On day 10 of presumed gestation, female rats will be sacrificed, Caesarean-sectioned, and a gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. Uteri of apparently nonpregnant rats will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[5]. Uteri of nonpregnant rats and all ovaries will be retained in neutral buffered 10% formalin for possible future evaluation.

Scheduled Sacrifice - Female Rats Assigned to Natural Delivery:

Rats that do not deliver a litter will be sacrificed on day 25 of presumed gestation and examined for gross lesions. Uteri will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[5].

After completion of the 21-day postpartum period, female rats will be sacrificed, and a gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. The number and distribution of implantation sites will be recorded.

Dams with No Surviving Pups:

Dams with no surviving pups will be sacrificed after the last pup is found dead, missing or presumed cannibalized. A gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. Postpartum data for these dams will be excluded from summary tables.

Rats Found Dead or Moribund:

Rats that die or are sacrificed because of moribund condition or abortion will be examined for the cause of death or moribund condition on the day the observation is made. The rats will be examined for gross lesions. Testes, epididymides, prostate and seminal vesicles of male rats will be excised and individual organ weights will be recorded (seminal vesicles weighed with and without fluid). The testes will be fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin. The remaining organs will be retained in neutral buffered 10% formalin. Pregnancy status and uterine contents of female rats will be recorded. Aborted fetuses and/or delivered pups will be examined to the extent possible. Ovaries will be retained in neutral buffered 10% formalin. Uteri of apparently nonpregnant rats will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[5].

TESTS, ANALYSES AND MEASUREMENTS - F1 GENERATION:

Viability:

Preweaning Period:	Litters will be observed for dead pups at least twice daily. The pups in each litter will be counted once daily.
Postweaning Period:	Twice daily.

Clinical Observations and/or General Appearance:

Preweaning Period:	Once daily.
Postweaning Period:	Once weekly.
Maternal Behavior:	Days 1, 4, 7, 14 and 21 postpartum. Any observed abnormal behavior will be recorded daily.

Clinical observations may be recorded more frequently than cited above, if deemed appropriate by the Study Director and/or the Study Monitor.

Body Weights:

Preweaning Period:	Days 1 (birth), 4, 7, 14 and 21 postpartum.
Postweaning Period:	Weekly.
Presumed Gestation Period:	Days 0, 7, 10, 14, 17 and 20 (female rats only).
Lactation Period:	Days 1, 4, 7, 10 and 14 (female rats only).
Sacrifice:	Terminal weight.

Feed Consumption Values (recorded and tabulated):

Preweaning Period:	Not recorded.
Postweaning Period:	Weekly except during cohabitation.
Presumed Gestation Period:	Days 0, 7, 10, 14, 17 and 20 (female rats only).
Lactation Period:	Days 1, 4, 7, 10 and 14 (female rats only).

Feed consumption values may be recorded more frequently if it is necessary to replenish the feed. During cohabitation, when two rats occupy the same cage with one feed jar, values will be documented when feed jars are filled. These intervals will not be tabulated.

Preweaning Developmental Observations:

The number of pups meeting the criterion is recorded on each day of testing. Testing continues until the day the criterion is attained by all pups in the litter.

Surface Righting Reflex (ability to right in 5 seconds): From day 1 postpartum.

Pinna Unfolding: From day 2 postpartum.

Eye Opening: From day 12 postpartum.

Acoustic Startle Response: From day 13 postpartum.

Air Righting Reflex: From day 14 postpartum.

Pupil constriction is evaluated once, on day 21 postpartum.

Postweaning Developmental Observations:

Sexual Maturation:

Female rats will be evaluated for the age of vaginal patency, beginning on day 28 postpartum. Male rats will be evaluated for the age of preputial separation, beginning on day 39 postpartum.

Passive Avoidance Testing:

Beginning at 24 ± 1 day postpartum, one male rat and one female rat from each litter, where possible, will be evaluated in a passive avoidance test for learning, short-term retention and long-term retention.

The passive avoidance apparatus consists of a two-compartment chamber with hinged Plexiglas® lids. One compartment is fitted with a bright light and Plexiglas® floor. The other compartment is fitted with a grid floor to which a brief (1 sec) pulse of mild electric current (1 mA) can be delivered. The two compartments are separated by a sliding door. On each test trial, the rat is placed into the "bright" compartment, the sliding door is opened and the light is turned on. The rat is allowed to explore the apparatus until it enters the "dark" compartment. The sliding door is then immediately closed, the light is turned off and the brief pulse of current is delivered to the grid floor. The rat is then removed from the apparatus and placed into a holding cage for 30 seconds before the start of the next trial. Trials are repeated until the rat remains in the "bright"

compartment for 60 seconds on two consecutive trials (the criterion for learning) or until 15 trials have been completed. The latency to enter the dark compartment or the maximum 60-second interval is recorded for each trial.

Each rat is tested twice. The test sessions are separated by a one-week interval, and the criterion is the same for both days of testing.

Dosage groups are compared for the following dependent measures:

The number of trials to the criterion in the first session--this measure will be used to compare groups for overall learning performance.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the first test session--this measure will be used to compare groups for activity levels and exploratory tendencies in a novel environment.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 2 in the first test session--this measure will be used to compare groups for short-term retention.

The number of trials to the criterion in the second test session--this measure will be used to compare groups for long-term retention.

The latency (in seconds) to enter the "dark" compartment from the "bright" compartment on trial 1 in the second session--this value is another indication of long-term retention.

Watermaze Testing:

Beginning at approximately 70 days postpartum, one male rat and one female rat from each litter will be evaluated in a water-filled M-maze for overt coordination, swimming ability, learning and memory.

Each rat is tested in a watertight 16-gauge stainless steel modified M-maze. The maze is filled with water to a depth of approximately nine inches, and the water is monitored for temperature (range of 21°C ± 1°C).

On each test trial, the rat will be placed into the starting position (base of the M-maze stem farthest from the two arms) and required to swim to one of the two goals of the M-maze, in order to be removed from the water. On the first trial, the rat is required to enter both arms of the maze before being removed from the water. The initial arm chosen on trial 1 is designated the incorrect goal during the remaining trials. Rats that fail to make a correct goal choice within 60 seconds in any given trial are guided to the correct goal and are then removed from the water. A 15-second intertrial interval will separate each trial. Each rat is required to reach a criterion of five consecutive errorless trials to terminate the test session. The maximum number of trials in any test

session is 15. Latency (measured in seconds) to choose the correct goal or the maximum 60-second interval is recorded for each trial, as is the number of errors (incorrect turns in the maze) during each trial.

Each rat is tested twice. The test sessions are separated by a one-week interval, and the correct goal and the criterion are the same for both test sessions.

Dosage groups are compared for the following dependent measures:

The number of trials to criterion on the first day of testing--this measure will be used to compare groups for overall learning performance.

The average number of errors (incorrect turns in the maze) for each trial on the first day of testing--this measure will also be used to compare groups for overall learning performance.

The latency (in seconds) to reach the correct goal on trial 2 of the first day of testing--this measure will be used to compare groups for short-term retention.

The number of trials to criterion on the second day of testing--this measure will be used to compare groups for long-term retention.

The average number of errors for each trial on the second day of testing--this measure will also be used to compare groups for long-term retention.

The latency (in seconds) to reach the correct goal on trial 1 of day 2 of testing--this is another indicator of long-term retention.

Reproductive Capacity:

At approximately 90 days of age, the F1 generation rats within each dosage group will be assigned to cohabitation, one male rat per female rat, based on computer-generated random units or random unit tables, with the exclusion of sibling matings. The cohabitation period will consist of a maximum of 14 days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* will be considered to be at day 0 of presumed gestation and assigned to individual housing. Female rats that do not mate within the first 7 days of cohabitation will be assigned alternate male rats from the same dosage group that have mated. Female rats will be allowed to naturally deliver and maintain litters through a 21-day postpartum period.

Mating Performance:

As cited above for Fo generation rats.

Duration of Gestation:

As cited above for Fo generation rats.

Fertility Parameters:

As cited above for Fo generation rats.

F2 Generation Litter Data:

Viability, clinical observations and body weights for F2 generation pups will be recorded as cited above for F1 generation litters.

METHOD OF SACRIFICE - F1 GENERATION RATS/F2 GENERATION PUPS:

As previously cited for Fo generation rats.

NECROPSY - F1 GENERATION RATS:

Gross lesions will be retained in neutral buffered 10% formalin for possible future evaluation (a table of random units will be used to select one control group rat of each sex from which all tissues examined at necropsy will be retained, in order to provide control tissues for any possible histopathological evaluations of gross lesions). Unless specifically cited below, all other tissues will be discarded.

Scheduled Sacrifice - F1 Generation Male Rats:

Rats will be sacrificed after completion of the 14-day cohabitation period. A gross necropsy of the thoracic, abdominal and pelvic visceral will be performed. Testes and epididymides of male rats will be excised and individual organ weights will be recorded. The epididymides will be retained in neutral buffered 10% formalin. The testes will be fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin.

Scheduled Sacrifice - F1 Generation Female Rats:

Female rats will be sacrificed after completion of the 21-day postpartum period. The number and distribution of implantation sites will be recorded. Rats that do not deliver a litter will be sacrificed on day 25 of presumed gestation and uteri will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[5]. A gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. Female rats without a confirmed mating date that do not deliver a litter will be sacrificed on an estimated day 25 of presumed gestation.

F1 Generation Rats Found Dead or Moribund:

Rats that die or are sacrificed because of moribund condition or abortion will be examined for the cause of death or moribund condition on the day the observation is made. The rats will be examined for gross lesions. Testes, epididymides, prostate and seminal vesicles of male rats will be excised and individual organ weights will be recorded (seminal vesicles weighed with and without fluid). The testes will be fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin. The remaining organs will be retained in neutral buffered 10% formalin. Pregnancy status and uterine contents of female rats will be recorded. Aborted fetuses and/or delivered pups will be examined to the extent possible. Ovaries will be retained in neutral buffered 10% formalin. Uteri of apparently nonpregnant rats will be stained with 10% ammonium sulfide to confirm the absence of implantation sites[5].

F1 Generation Dams with No Surviving Pups:

Dams with no surviving pups will be sacrificed after the last pup is found dead, missing or presumed cannibalized. A gross necropsy of the thoracic, abdominal and pelvic viscera will be performed. Postpartum data for these dams will be excluded from summary tables.

F1/F2 Generation Pups Found Dead on Day 1 Postpartum:

Pups that die before examination of the litter for pup viability will be evaluated for vital status at birth. The lungs will be removed and immersed in water. Pups with lungs that sink will be identified as stillborn; pups with lungs that float will be identified as liveborn, and to have died shortly after birth. Pups with gross lesions will be preserved in Bouin's solution for possible future evaluation. Should postmortem autolysis preclude these evaluations, it will be noted in the necropsy data.

F1/F2 Generation Pups Found Dead or Moribund on Days 2 to 21 Postpartum:

Pups found dead or sacrificed due to moribund condition will be examined for gross lesions and for the cause of the moribund condition or death. Pups with gross lesions found on days 2 to 4 postpartum will be preserved in Bouin's solution for possible future evaluation; gross lesions of pups found on days 5 to 21 postpartum will be preserved in neutral buffered 10% formalin. Should postmortem autolysis preclude these evaluations it will be noted in the necropsy data.

F1/F2 Generation Pups Not Selected for Continued Observation:

F1 and F2 generation pups culled on day 4 postpartum will be sacrificed and examined for gross lesions; pups with gross lesions will be preserved in Bouin's solution. Necropsy will include a single cross-section of the head at the level of the frontal-parietal suture and examination of the cross-sectioned brain for apparent hydrocephaly.

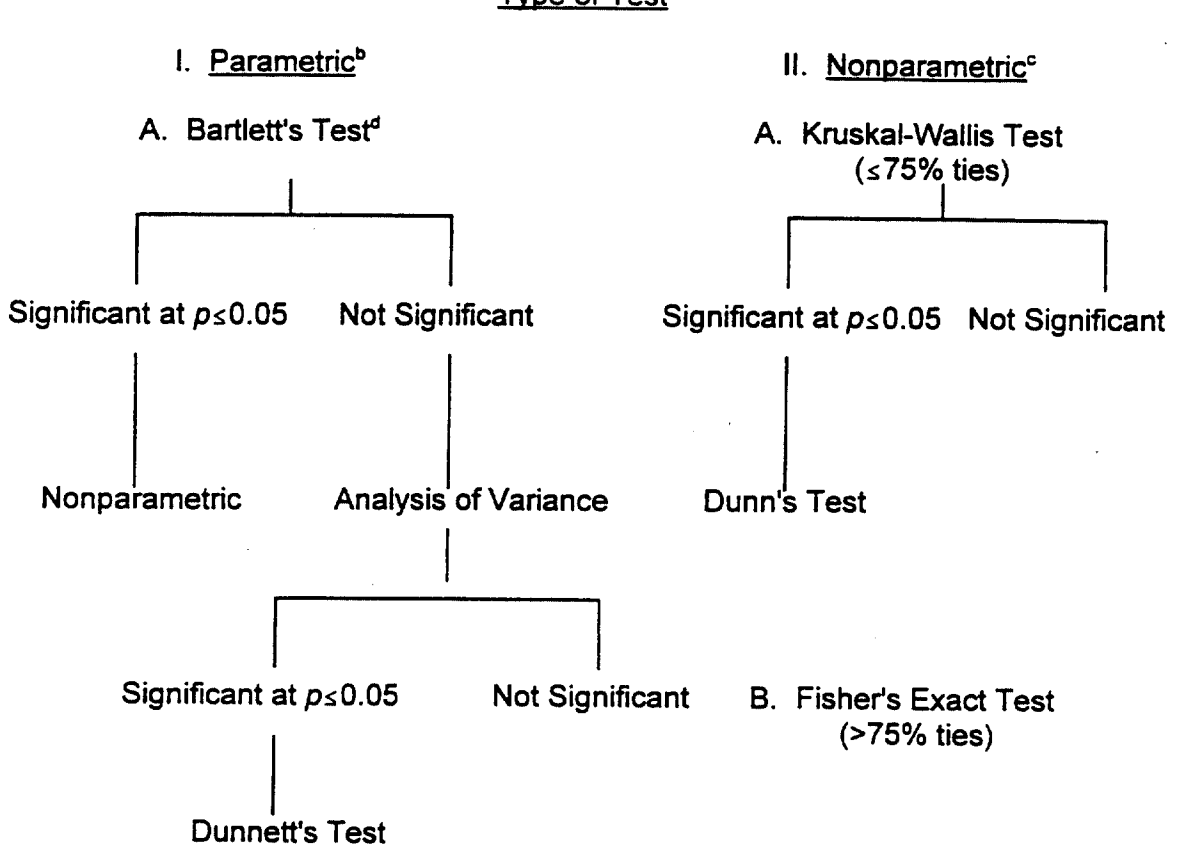
All F1 generation pups culled on day 21 postpartum will be sacrificed and examined for gross lesions; gross lesions will be preserved in neutral buffered 10% formalin. Necropsy will include a single cross-section of the head at the level of the frontal-parietal suture and examination of the cross-sectioned brain for apparent hydrocephaly.

Scheduled Sacrifice - F2 Generation Pups:

On day 21 postpartum, pups will be sacrificed and examined for gross lesions. Necropsy will include a single cross-section of the head at the level of the frontal-parietal suture and examination of the cross-sectioned brain for apparent hydrocephaly.

PROPOSED STATISTICAL METHODS[6-12]:

Averages and percentages will be calculated. Litter values will be used where appropriate. Additional procedures and/or analyses may be performed, if appropriate.



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a. Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.01$.
b. Used only to analyze data with homogeneity of variance.
c. Proportion data are not included in this category.
d. Test for homogeneity of variance.

DATA ACQUISITION, VERIFICATION AND STORAGE:

Data will be hand- and/or computer-recorded. Records will be reviewed by the Study Director and/or appropriate management personnel within 21 days after generation. All original records will be stored in the archives of the Testing Facility. All original data will be bound and indexed. A copy of all raw data will be supplied to the Sponsor upon request. Preserved tissues will be stored at the Testing Facility at no charge for one year after mailing of the draft final report, after which time the Sponsor will be contacted to determine the disposition of these materials.

RECORDS TO BE MAINTAINED:

Protocol and Amendments.
Test Article, Vehicle and/or Reagent Receipt, Preparation and Use.
Animal Acquisition.
Randomization Schedules.
Mating History.
Treatment (if prescribed by Staff Veterinarian).
General Comments.
Clinical Observations and/or General Appearance.
Blood Sample Collection, Processing and Shipment.
Body Weights.
Feed Consumption Values.
Caesarean-Sectioning Observations.
Natural Delivery Observations.
Litter Observations.
Reflex and Physical Development and Behavioral Observations - F1 Generation Pups.
Gross Necropsy Observations.
Organ Weights (if required).
Photographs (if required).
Study Maintenance (room and environmental records).
Feed, Water and Bedding Analyses.
Packing and/or Shipment Lists.

KEY PERSONNEL:

Executive Director of Research: Mildred S. Christian, Ph.D., ATS
Director of Research: Alan M. Hoberman, Ph.D., DABT
Associate Director of Research and Study Director: Raymond G. York, Ph.D., DABT
Director of Laboratory Operations: John F. Barnett, B.S.
Manager of Study Coordination: Valerie A. Sharper, M.S.
Manager of Animal Operations and Member, Institutional Animal Care and Use Committee: Dena C. Lebo, V.M.D.
Manager of Regulatory Compliance: Kathleen A. Moran, M.S.
Consultant, Veterinary Pathology: W. Ray Brown, D.V.M., Ph.D., ACVP

FINAL REPORT:

A comprehensive draft final report will be prepared on completion of the study and will be finalized following consultation with the Sponsor. The report will include the following:

Summary and Conclusion.
Experimental Design and Method.
Evaluation of Test Results.
Appendices: Figures, Summary and Individual Tables Summarizing the Above Data, Protocol and Associated Amendments and Deviations, Study Director's GLP Compliance Statement, Reports of Supporting Data (if appropriate) and QAU Statement.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE STATEMENT:

The procedures described in this protocol have been reviewed by the Testing Facility's Institutional Animal Care and Use Committee. All procedures described in this protocol that involve study animals will be conducted in a manner to avoid or minimize discomfort, distress or pain to the animals.

The Sponsor's signature below documents the fact that information concerning the necessity for conducting this study and the fact that this is not an unnecessarily duplicative study may be obtained from the Sponsor. No alternative (*in vitro*) procedures were available for meeting the stated purposes of the study.

REFERENCES:

1. Christian, M.S. and Voytek, P.E. (1982). *In Vivo Reproductive and Mutagenicity Tests.* Environmental Protection Agency, Washington, D.C. National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

2. Christian, M.S. (1984). Reproductive toxicity and teratology evaluations of naltrexone (Proceedings of Naltrexone Symposium, New York Academy of Sciences, November 7, 1983), J. Clin. Psychiat. 45(9):7-10.

3. Lang, P.L. (1988). *Embryo and Fetal Developmental Toxicity (Teratology) Control Data in the Charles River Crl:CD®BR Rat.* Charles River Laboratories, Inc., Wilmington, MA 01887-0630. (Data base provided by Argus Research Laboratories, Inc.)

4. Institute of Laboratory Animal Resources (1996). *Guide for the Care and Use of Laboratory Animals.* National Academy Press, Washington, D.C.

5. Salewski, E. (1964). Färbemethode zum makroskopischen Nachweis von Implantationsstellen am Uterus der Ratte. Arch. Pathol. Exp. Pharmakol. 247:367.

6. Snedecor, G.W. and Cochran, W.G. (1967). Variance test for homogeneity of the binomial distribution. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 240-241.

7. Sokal, R.R. and Rohlf, F.J. (1969). Bartlett's test of homogeneity of variances. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 370-371.

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9. Dunnett, C.W. (1955). A multiple comparison procedure for comparing several treatments with a control. J. Amer. Stat. Assoc. 50:1096-1129.

10. Sokal, R.R. and Rohlf, F.J. (1969). Kruskal-Wallis Test. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 388-389.

11. Dunn, O.J. (1964). Multiple comparisons using rank sums. Technometrics 6(3):241-252.

12. Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*, McGraw-Hill, New York, pp. 96-104.

PROTOCOL APPROVAL:

FOR THE TESTING FACILITY

George E. Dearlove, Ph.D., DABT
Associate Director of Research

21-May-98
Date

Raymond G. York, Ph.D., DABT
Associate Director of Research
Study Director

21-May-98
Date

Barbara J. Patterson, B.A.
Chairperson, Institutional Animal Care and Use Committee

21-May-98
Date

FOR THE SPONSOR

Marvin T. Case, D.V.M., Ph.D.
Study Monitor

22 May 1998
Date

ATTACHMENT 1

STUDY SCHEDULE

ATTACHMENT 1

SCHEDULE[a]

12 MAY 98	Animal Receipt - Acclimation Begins (Fo generation rats).
26 MAY 98	Start of Dosage Period - Fo Generation Male Rats (28 days before cohabitation and continuing through a 14-day cohabitation period until sacrifice after successful mating has been determined).
26 MAY 98 - 15 JUL 98	Dosage Period - Female Rats Assigned to Caesarean-Sectioning (28 days before cohabitation and continuing through day 09 of presumed gestation).
26 MAY 98 - 19 AUG 98	Dosage Period - Female Rats Assigned to Natural Delivery [28 days before cohabitation through day 24 of presumed gestation (rats that do not deliver a litter) or day 20 postpartum (rats that deliver a litter)].
09 JUN 98 - 22 JUN 98	Dosage Period Estrous Cycle Evaluation.
	Cohabitation Period (Maximum of 14 days).
22 JUN 98 PM - 29 JUN 98 AM	Male 1 (07 days)
29 JUN 98 PM - 06 JUL 98 AM	Male 2 (07 days)
23 JUN 98	First Possible Day 0 of Presumed Gestation.
06 JUL 98	Last Possible Day 0 of Presumed Gestation.
20 JUL 98	Fo Generation Male Rats Sacrificed after Completion of the Cohabitation Period (Earliest possible date).

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a. The study initiation date is the day the Study Director signs the protocol.

ATTACHMENT 1

03 JUL 98	First Possible Day 10 of Presumed Gestation Caesarean-sectioning.
16 JUL 98	Last Possible Day 10 of Presumed Gestation Caesarean-sectioning.
14 JUL 98	First Possible Delivery (Day 21 of presumed gestation).
31 JUL 98	Last Possible Delivery (Day 25 of presumed gestation).
18 JUL 98	First Possible Day 25 of Presumed Gestation Female Sacrifice.
31 JUL 98	Last Possible Day 25 of Presumed Gestation Female Sacrifice.
03 AUG 98	First Possible Day 21 Weaning (Dams and F1 generation pups not selected for continued observation sacrificed).
20 AUG 98	Last Possible Day 21 Weaning.
04 AUG 98	F1 Generation Postweaning Observations Begin (Details of tests cited in protocol).
19 OCT 98 - 02 NOV 98	F1 Generation Cohabitation Period (Initiated when rats are approximately 90 days of age - approximate initial date).
16 NOV 98	F1 Generation Male Rats Sacrificed after Completion of Cohabitation Period - Approximate Earliest Possible Date.
10 NOV 98 - 27 NOV 98	Delivery Period - F1 Generation Dams/F2 Generation Litters (Approximate dates).
30 NOV 98 - 17 DEC 98	Sacrifice of F1 Generation Dams and F2 Generation Litters on Day 21 Postpartum (Approximate dates).
06 APR 99	Draft Final Report.

ATTACHMENT 2

MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

3M
3M Center
St. Paul, Minnesota
55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

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DIVISION: 3M CHEMICALS
TRADE NAME:
FC-95 FLUORAD Brand Fluorochemical Surfactant
ID NUMBER/U.P.C.:
98-0207-0103-7 00-51135-09054-1 98-0207-0104-5 00-51135-09055-8
98-0211-0888-5 00-51135-09362-7 98-0211-3916-1 00-51135-02311-2
ZF-0002-1044-1 - - -
ISSUED: January 29, 1998
SUPERSEDES: November 05, 1997
DOCUMENT: 10-3796-9

1. INGREDIENT

INGREDIENT	C.A.S. NO.	PERCENT
POTASSIUM PERFLUOROALKYL SULFONATE.....	2795-39-3	82 - 86
POTASSIUM PERFLUOROALKYL SULFONATE.....	3871-99-6	3 - 8
POTASSIUM PERFLUOROALKYL SULFONATE.....	29420-49-3	3 - 7
POTASSIUM PERFLUOROALKYL SULFONATE.....	60270-55-5	2 - 6
POTASSIUM PERFLUOROALKYL SULFONATE.....	3872-25-1	1 - 3

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... slight
SPECIFIC GRAVITY:..... ca. 0.6 Water=1
(Bulk)
PERCENT VOLATILE:..... 0 %
pH:..... 7 - 8
(0.1% Aqueous)
VISCOSITY:..... N/D
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Light colored, free flowing powder.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... None
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/A

EXTINGUISHING MEDIA:
Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
See Hazardous Decomposition section for products of combustion.

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Sulfur, Hydrogen Fluoride, Toxic Vapors, Gases or Particulates.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Vacuum, use wet sweeping compound or water to avoid dusting. CAUTION! A vacuum cleaner could be an ignition source. Clean up residue with water. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:
Do not release to waterways or sewer. Do not use in products or processes that could result in aquatic concentrations greater than 1/10 of the lowest EC50 or LC50 concentration. Incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HF. Disposal alternative: Dispose of waste product in a facility permitted to

000724

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5. ENVIRONMENTAL INFORMATION (continued)

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accept chemical waste.

ENVIRONMENTAL DATA:
96-Hr. Aquatic Fish LC50, Fathead Minnow(Pimephales promelas)=38 mg/l, Bluegill Sunfish(Lepomis macrochirus)=68 mg/l, Rainbow Trout(Salmo gairdneri)=11 mg/l; 48-Hr. EC50, Daphnia Magna = 50 mg/l; COD=.004 g/g; BOD20 = Nil.

REGULATORY INFORMATION:
Volatile Organic Compounds: N/A.
VOC Less H2O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

This product complies with the chemical registration requirements of TSCA, EINECS, CDSL, AICS, MITI and Korea.

EPCRA HAZARD CLASS:
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:
Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

INHALATION:
If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:
Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact. Wear vented goggles.

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7. PRECAUTIONARY INFORMATION (continued)

SKIN PROTECTION:
Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: head covering, coveralls. Protective garments (other than gloves) should be made of either of the following materials: polyethylene/polyvinylidene chloride (Saranex).

RECOMMENDED VENTILATION:
Use with appropriate local exhaust ventilation. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:
Avoid breathing of dust. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust and mist respirator, half-mask supplied air respirator, full-face dust and mist respirator, full-face supplied air respirator.

PREVENTION OF ACCIDENTAL INGESTION:
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

RECOMMENDED STORAGE:
Keep container dry. Keep container closed when not in use.

FIRE AND EXPLOSION AVOIDANCE:
Nonflammable.

OTHER PRECAUTIONARY INFORMATION:
No smoking: Smoking while using this product can result in contamination of the tobacco and/or smoke and lead to the formation of the hazardous decomposition products mentioned in section 4 of this MSDS.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0
PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
POTASSIUM PERFLUOROALKYL SULFONATE...	0.1	MG/M3	TWA	3M	Y
POTASSIUM PERFLUOROALKYL SULFONATE...	0.1	MG/M3	TWA	3M	Y
POTASSIUM PERFLUOROALKYL SULFONATE...	0.1	MG/M3	TWA	3M	Y
POTASSIUM PERFLUOROALKYL SULFONATE...	0.1	MG/M3	TWA	3M	Y

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
POTASSIUM PERFLUOROALKYL SULFONATE...	0.1	MG/M3	TWA	3M	Y

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:
- 3M: 3M Recommended Exposure Guidelines

8. HEALTH HAZARD DATA

EYE CONTACT:
Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:
Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and persist in the body for an extended time.

INHALATION:
May be harmful if inhaled.

May be absorbed by inhalation and persist in the body for an extended time.

Single overexposure, above recommended guidelines, may cause:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:
Ingestion is not a likely route of exposure to this product.

Illness may result from a single swallowing of a moderate quantity of this material.

May be harmful if swallowed.

MUTAGENICITY:
Mutagenicity assays indicate the product is not mutagenic.

00727

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8. HEALTH HAZARD DATA (continued)

REPRODUCTIVE/DEVELOPMENTAL TOXINS:
Not teratogenic in the rat at oral doses below maternally toxic levels.

OTHER HEALTH HAZARD INFORMATION:
This product is not known to contain any substances regulated under California Proposition 65.

A Product Toxicity Summary Sheet is available.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE November 05, 1997 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

Test Article: PFOS.

Vehicle: 0.5% Tween 80 in R.O. Deionized Water.

A. Purpose: The purpose of this procedure is to provide a method for the preparation of dosage suspensions of PFOS and the control article for oral administration to rats on Argus Study 418-008.

B. General Information:

1. All suspension containers will be labeled and color coded. Each label will specify the protocol number, test article identification, Argus batch number, concentration, dosage level, preparation date, expiration date and storage conditions.

2. Suspensions will be prepared:
   _X_ Daily ___ Weekly __ For____ days of use

3. Suspensions will be prepared at a final dosage volume of 5 mL/kg.

4. Safety:
   _X_ Gloves, lab coat, goggles or safety glasses and faceshield
   _X_ Dust-Mist Respirator
   ___ Half-Face Respirator
   ___ Full-Face Respirator/Positive Pressure Hood
   ___ Tyvek Suit/Apron

5. Dosage solutions adjusted for Free base and % Purity.
   ___ Yes _X_ No (Calculations based on 100%)
   ___ Free Base ___ Purity

6. Sampling requirements: Cited in protocol.

7. Storage: Cited in protocol.

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

NOTE: Test article will be prepared as a serial dilution from the high dosage to the low dosage. Stir bars are to be added to the containers; mixing should occur during sampling and/or dosage administration.

C. Preparation of the Control Group:

1. Add the required amount of vehicle to an appropriate vessel. (See TEST ARTICLE CALCULATIONS for exact quantities.)

D. Test Article Solution Preparation:

1. To prepare the 0.64-mg/mL, (group V) solution, add 160 mg of test article into an appropriately sized, labeled container.

2. Q. S. to 250 mL with the vehicle and mix by inversion.

3. Add a stir bar and heat the preparation to 80 °C in a water bath for approximately 30 minutes (or until the test article has dissolved).

4. Remove the solution from the water bath, and slowly spin over night while the solution equilibrates to room temperature.

5. To prepare group IV, (the 0.32-mg/mL solution), add 100 mL of group V solution to an appropriately labeled container, then q.s. to 200 mL with vehicle. Add a stir bar and mix until uniform.

6. To prepare group III, (the 0.08-mg/mL solution), add 50 mL of group IV solution to an appropriately labeled container, then q.s. to 200 mL with vehicle. Add a stir bar and mix until uniform.

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

7. To prepare group II, (the 0.02-mg/mL solution), add 50 mL of group III solution to an appropriately labeled container, then q.s. to 200 mL with vehicle. Add a stir bar and mix until uniform.

Written by: Cristina Guilmette

Approved by: Raymond [illegible] Date: 21-May-98

@MC 1-11-99

Clarification: X No _X_ Yes (See attached clarification form.)

Initial/Date : MC 1-11-99

ARGUS

TEST ARTICLE/SUBSTANCE PREPARATION PROCEDURE CLARIFICATION

Protocol: 418-008 **Version:** 418-008 (21 MAY 98)

Date of Clarification	Preparation Step #	Clarification
5/25/98 C ~~F~~ (A) CR 7/15/98	C. 1	200 mL of Vehicle is added to prepare Control Group CR 7/15/98

Study Director 15-JUL-98 Date

Study Director Date

Study Director Date

Study Director Date

Reviewed by: MC **Date:** 7-15-98

08.15.97 TASPPM-01-02

(I) (F) CR 7/15/98

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PROTOCOL 418-008

COMBINED ORAL(GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS

SPONSOR'S STUDY NUMBER: 6295.9

Amendment 1 - June 2, 1998

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1. Storage (page 3 of the protocol):

   [Effective Date: May 26, 1998] Prepared formulations will be stored at room temperature overnight, rather than frozen.

   Reason for Change:

   This change was made to clarify the protocol and facilitate dose formulation preparation.

2. Frequency of Preparation (page 4 of the protocol):

   [Effective Date: May 26, 1998] The vehicle (0.5% Tween 80® in R.O. Deionized Water) will be prepared weekly by adding 15 mLs of Tween 80® to 2985 mL of R.O. Deionized Water.

   Reason for Change:

   This change was made to clarify the protocol and facilitate dose formulation preparation.

3. Stability (page 4 of the protocol):

   [Effective Date: May 27, 1998] The Sponsor has confirmed a 48-hour stability on the test article in 0.5% Tween 80® solutions. This allows for preparations to be made one day prior to the day of dose administration. Due to the lengthy

preparation procedure, dose solutions may be made one day prior to the day of dosing.

Reason for Change:

This change was made to clarify the protocol and facilitate dose formulation preparation.

A. Hoberman 02 JUN-98
Alan M. Hoberman, Ph.D., DABT Date
Director of Research

Raymond G. York 02-JUN-98
Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director

Dena C. Lebo 02 Jun 98
Dena C. Lebo, V.M.D. Date
Member, Institutional Animal Care
and Use Committee

Marvin T Case 8 June 1998
Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

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SPONSOR'S STUDY NUMBER: 6295.9

Amendment 2 - June 11, 1998

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1. Body Weights - Female Rats (page 12 of the protocol):

   [Effective Date: May 26, 1998] Body weights and feed consumption values will also be collected on Fo generation females on postpartum day 10.

   Reason for Change:

   This information was added to the protocol to match data collection on F1 generation females.

2. Scheduled Sacrifice of Male Rats (page 14 of the protocol):

   [Effective Date: May 26, 1998] At scheduled sacrifice of Fo male rats, all organs will be weighed individually.

   Reason for Change:

   This change clarifies the protocol.

3. Scheduled Sacrifice - Female Rats Assigned to Caesarean-Sectioning (page 15 of the protocol):

   [Effective Date: May 26, 1998] Uteri of non-pregnant rats will not be retained.

Reason for Change:

This change was made at the request of the Sponsor.

4. Scheduled Sacrifice - F1 Generation Male Rats (page 20 of the protocol):

[Effective Date: May 26, 1998] Seminal vesicles (with and without fluids) and prostates, will be weighed at scheduled sacrifice of all F1 generation male rats.

Reason for Change:

This information was added to the protocol to match data collection on Fo generation males.

A. Hoberman 11-JUN-98
Alan M. Hoberman, Ph.D., DABT Date
Director of Research

Raymond G. York 11-JUN-98
Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director

Dena C Lebo 11 Jun 98
Dena C. Lebo, V.M.D. Date
Member, Institutional Animal Care
and Use Committee

Marvin T Case 12 Jun 1998
Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

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SPONSOR'S STUDY NUMBER: 6295.9

Amendment 3 - June 25, 1998

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1. Administration, Method and Frequency (Page 10 of the protocol):

[Effective Date: June 19, 1998] Due to a programming error in dosage calculation the dosage period will be extended for an additional 2 weeks and the cohabitation period will occur two weeks later than originally scheduled. The error in dosage calculations caused the male rats to receive approximately 89% to 90% of the targeted dosage and female rats to receive approximately 95% to 99% of the targeted dosage. This occurred for six of the seven days in the second and third weeks and two days of the fourth week of the dosage period.

Reason for Change:

This change was made to ensure that all rats receive the correct dosage before cohabitation.

2. Schedule (Attachment 1 of the protocol):

SCHEDULE

12 MAY 98	Animal Receipt - Acclimation Begins (Fo generation rats).
26 MAY 98	Start of Dosage Period - Fo Generation Male Rats (42 days before cohabitation and continuing through a 14-day cohabitation period until sacrifice after successful mating has been determined).
26 MAY 98 - 29 JUL 98	Dosage Period - Female Rats Assigned to Caesarean-Sectioning (42 days before cohabitation and continuing through day 09 of presumed gestation).
26 MAY 98 - 02 SEP 98	Dosage Period - Female Rats Assigned to Natural Delivery [42 days before cohabitation through day 24 of presumed gestation (rats that do not deliver a litter) or day 20 postpartum (rats that deliver a litter)].
09 JUN 98 - 06 JUL 98	Dosage Period Estrous Cycle Evaluation.
06 JUL 98 PM - 13 JUL 98 AM 13 JUL 98 PM - 20 JUL 98 AM	Cohabitation Period (Maximum of 14 days). Male 1 (07 days) Male 2 (07 days)
07 JUL 98 20 JUL 98	First Possible Day 0 of Presumed Gestation. Last Possible Day 0 of Presumed Gestation.
03 AUG 98	Fo Generation Male Rats Sacrificed after Completion of the Cohabitation Period (Earliest possible date).
17 JUL 98 30 JUL 98	First Possible Day 10 of Presumed Gestation Caesarean-sectioning. Last Possible Day 10 of Presumed Gestation Caesarean-sectioning.

28 JUL 98	First Possible Delivery (Day 21 of presumed gestation).
14 AUG 98	Last Possible Delivery (Day 25 of presumed gestation).
01 AUG 98	First Possible Day 25 of Presumed Gestation Female Sacrifice.
14 AUG 98	Last Possible Day 25 of Presumed Gestation Female Sacrifice.
17 AUG 98	First Possible Day 21 Weaning (Dams and F1 generation pups not selected for continued observation sacrificed).
03 SEP 98	Last Possible Day 21 Weaning.
18 AUG 98	F1 Generation Postweaning Observations Begin (Details of tests cited in protocol).
02 NOV 98 - 16 NOV 98	F1 Generation Cohabitation Period (Initiated when rats are approximately 90 days of age - approximate initial date).
30 NOV 98	F1 Generation Male Rats Sacrificed after Completion of Cohabitation Period - Approximate Earliest Possible Date.
24 NOV 98 - 11 DEC 98	Delivery Period - F1 Generation Dams/F2 Generation Litters (Approximate dates).
14 DEC 98 - 31 DEC 98	Sacrifice of F1 Generation Dams and F2 Generation Litters on Day 21 Postpartum (Approximate dates).
06 APR 99	Draft Final

Reason for Change:

This schedule was changed due to the extension of the dosing period by two weeks and the cohabitation period occurring two weeks later than scheduled.

25 JUN 98

for Alan M. Hoberman, Ph.D., DABT Date
Director of Research

25-JUN 98

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director

25 Jun 98

Dena C. Lebo, V.M.D. Date
Member, Institutional Animal Care
and Use Committee

1 July 98

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

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SPONSOR'S STUDY NUMBER: 6295.9

Amendment 4 - July 14, 1998

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1. Test Article Preparation Procedure (Version 29 JUN 98 of Attachment 3 to the protocol):

   [Effective Date: June 29, 1998] The volume of the test article solutions prepared each day will be increased. The new Test Article Preparation Procedure is attached to this amendment.

   Reason for Change:

   It is necessary to increase the volume of the test article solutions prepared each day because of the increasing body weights of the rats.

for George E. Dearlove, Ph.D., DABT Date
Associate Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

Barbara J. Patterson, B.A. Date
Chairperson, Institutional Animal Care and Use Committee

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

Test Article: PFOS.

Vehicle: 0.5% Tween 80 in R.O. Deionized Water.

A. Purpose: The purpose of this procedure is to provide a method for the preparation of dosage suspensions of PFOS and the control article for oral administration to rats on Argus Study 418-008.

B. General Information:

1. All suspension containers will be labeled and color coded. Each label will specify the protocol number, test article identification, Argus batch number, concentration, dosage level, preparation date, expiration date and storage conditions.

2. Suspensions will be prepared:
   _X_ Daily ___ Weekly ___ For____ days of use

3. Suspensions will be prepared at a final dosage volume of 5 mL/kg.

4. Safety:
   _X_ Gloves, lab coat, goggles or safety glasses and faceshield
   _X_ Dust-Mist Respirator
   ___ Half-Face Respirator
   ___ Full-Face Respirator/Positive Pressure Hood
   ___ Tyvek Suit/Apron

5. Dosage solutions adjusted for Free base and % Purity.
   ___ Yes _X_ No (Calculations based on 100%)
   ___ Free Base ___ Purity

6. Sampling requirements: Cited in protocol.

7. Storage: Cited in protocol.

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

NOTE: Test article will be prepared as a serial dilution from the high dosage to the low dosage. Stir bars are to be added to the containers; mixing should occur during sampling and/or dosage administration.

C. Preparation of the Control Group:

1. Add the required amount of vehicle to an appropriate vessel. (See TEST ARTICLE CALCULATIONS for exact quantities.)

D. Test Article Solution Preparation:

1. To prepare the 0.64-mg/mL, (group V) solution, add 224 mg of test article into an appropriately sized, labeled container.

2. Q. S. to 350 mL with the vehicle.

3. Add a stir bar and heat the preparation to 80 °C in a water bath for approximately 30 minutes (or until the test article has dissolved).

4. Remove the solution from the water bath, and spin while the solution equilibrates to room temperature.

5. To prepare group IV, (the 0.32-mg/mL solution), add 150 mL of group V solution to an appropriately labeled container, then q.s. to 300 mL with vehicle. Add a stir bar and mix until uniform.

6. To prepare group III, (the 0.08-mg/mL solution), add 65 mL of group IV solution to an appropriately labeled container, then q.s. to 260 mL with vehicle. Add a stir bar and mix until uniform.

ATTACHMENT 3

TEST ARTICLE PREPARATION PROCEDURE

7. To prepare group II, (the 0.02-mg/mL solution), add 50 mL of group III solution to an appropriately labeled container, then q.s. to 200 mL with vehicle. Add a stir bar and mix until uniform.

Written by: _____

Approved by: _____ Date: 13-JUL-98

Clarification: ✓ No ___ Yes (See attached clarification form.)

Initial/Date: _____ 11-JAN 99

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SPONSOR'S STUDY NUMBER: 6295.9

Amendment 5 - July 17, 1998

1. Concentration Analyses (page 5 of the protocol):

   Samples (5 mL each) from each concentration will be taken during the first and last week of the F1 dosage administration to verify concentrations of the prepared test article formulations.

   Reason for Change:

   This change was made because dosage administration was extended to include the F1 generation male and female rats.

2. Sex (page 6 of the protocol):

   The F1 generation male and female pups will be given the test article or vehicle.

   Reason for Change:

   These changes were made at the request of the Sponsor in order to provide information about the effects of the test article on the second generation.

3. Method and Frequency (page 10 of the protocol):

   The F1 generation male and female pups will be administered the test article orally (gavage) on day 1 postweaning through the day before sacrifice.
   F2 generation pups will not be directly given the test article, but may be possibly exposed to the test article during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

Reason for Change:

These changes were made at the request of the Sponsor and follow the method of exposure to Fo generation.

4. Dosage Levels, Concentrations and Volumes (page 11 of the protocol):

Dosage Group	Number of Fo Generation Rats Per Sex	Number of F1 Generation Rats Per Sex	Dosage (mg/kg/day)	Concentration (mg/mL)	Dosage Volume (mL/kg)	Argus Batch Number
I	35	25	0 (Vehicle)	0	5	B-418-008-A(Day.Month.Year)
II	35	25	0.1	0.02	5	B-418-008-B(Day.Month.Year)
III	35	25	0.4	0.08	5	B-418-008-C(Day.Month.Year)
IV	35	25	1.6	0.32	5	B-418-008-D(Day.Month.Year)
V	35	25	3.2	0.64	5	B-418-008-E(Day.Month.Year)

Reason for Change:

This change was made because dosage administration was extended to include the F1 generation male and female rats.

5. Tests, Analyses and Measurements - F1 Generation (page 16 of the protocol):

Clinical Observations and/or General Appearance:

Preweaning Period:	Once daily.
Dosage Period:	Twice daily. Prior to dosage administration and once approximately one hour postdosage.
Maternal Behavior:	Days 1, 4, 7 , 14 and 21 postpartum. Any observed abnormal behavior will be recorded daily

Body Weights - Male:

Preweaning Period:	Days 1 (birth), 4, 7, 14 and 21 postpartum.
Dosage Period:	Weekly.
Sacrifice:	Terminal weight.

Body Weights - Female:

Preweaning Period:	Days 1 (birth), 4, 7, 14 and 21 postpartum.
Dosage Period:	Weekly to cohabitation. Daily during presumed gestation and on Days 1, 4, 7 and 14 postpartum (rats assigned to natural delivery).
Sacrifice:	Terminal weight.

Reason for Change:

These changes were made because dosage administration was extended to include the F1 generation male and female rats.

6. F1/F2 Generation Pups Not Selected for Continued Observation (page 22 of the protocol):

On day 4 postpartum, the stomach contents (milk curd) will be collected from culled pups from Groups I, II and V (or highest dosage group available). Samples will be collected from all pups from four to five of the largest litters in these three dosage groups. Individual pup samples will be combined by litter into polypropylene tubes and frozen at -20°C. After completion of sample collection, samples will be shipped (frozen on dry ice) to Kris J. Hansen, Ph.D. at 3M Environmental Technology and Safety Services, 935 Bush Avenue, Building 2-3E-09,, St. Paul, Minnesota 55133-3331 for analysis. Both the recipient and the Study Monitor will be notified in advance of sample shipment.

Reason for Change:

Collection of milk samples were requested by the Sponsor to determine if the test article is reaching the pups via lactation.

for George E. Dearlove, Ph.D., DABT Date
Associate Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

Barbara J. Patterson, B.A. Date
Chairperson, Institutional Animal Care
and Use Committee

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

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PROTOCOL 418-008

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SPONSOR'S STUDY NUMBER: 6295.9

Amendment 6 - 13 August 1998

1. Necropsy (page 20 of the protocol):

   On postpartum day 21, the 1.6 mg/kg/day dosage group (Group IV) dams and litters will be sacrificed.

   Reason for Change:

   Group IV was terminated at weaning because of the severe pup toxicity during lactation (mortality and reduced body weights and delayed development).

2. Male and Female Rats Assigned to Pharmacokinetic Sample Collection (page 14 of the protocol):

   On postpartum Day 21, the livers of the pups from five litters in each of the remaining groups will be excised, pooled per litter, frozen and retained at -70°C until shipment to the Sponsor.

   Reason for Change:

   This change was made at the request of the Sponsor for possible analysis.

3. Scheduled Sacrifice - Female Rats Assigned to Natural Delivery and Dams with No Surviving Pups (page 15 of the protocol):

   Ovaries will be retained in neutral buffered 10% formalin.

Reason for Change:

This change was made to clarify the protocol.

George E. Dearlove, Ph.D., DABT Date
Associate Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

for Barbara J. Patterson, B.A. Date
Chairperson, Institutional Animal Care
and Use Committee

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

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PROTOCOL 418-008

COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS

SPONSOR'S STUDY NUMBER: 6295.9

Amendment 7 - 24 November 1998

1. Natural Delivery (page 13 of the protocol):

The Length of Parturition (time of delivery of last pup minus the time of delivery of the first pup divided by N-1 pups in each litter) will not be calculated.

Reason for Change:

A litter watch was not required by the Sponsor.

George E. Dearlove, Ph.D., DABT Date
Associate Director of Research

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

Dena C. Lebo, V.M.D. Date
Chairperson, Institutional Animal Care and Use Committee

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

PRIMEDICA

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, PA 19044
Telephone: (215) 443-8710
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PROTOCOL 418-008

COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS

SPONSOR'S STUDY NUMBER: 6295.9

Amendment 8 - 18 May 1999

1. Concentration Analyses (page 5 of the protocol):

   The concentration samples were sent to the Sponsor. Sample analyses will be conducted at the discretion of the Sponsor and no report will be sent to the Testing Facility.

   Reason for Change:

   This change was made at the request of the Sponsor to clarify the protocol.

2. Male and Female Rats Assigned to Pharmacokinetic Sample Collection (page 14 of the protocol):

   The liver and serum samples were sent to the Sponsor. Samples will be analyzed at the discretion of the Sponsor.

   Reason for Change:

   This change was made at the request of the Sponsor to clarify the protocol.

3. F1/F2 Generation Pups Not Selected for Continued Observation (page 22 and Amendment 5 of the protocol):

   The stomach contents of these pups were sent to the Sponsor for analysis. Stomach contents will be analyzed at the discretion of the Sponsor.

Reason for Change:

This change was made at the request of the Sponsor to clarify the protocol.

George E. Dearlove 18 MAY 99

George E. Dearlove, Ph.D., DABT Date
Associate Director of Research

Raymond G. York 18-May-99

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

Theresa D. Worland 18 MAY 99

for Dena C. Lebo, V.M.D. Date
Chairperson, Institutional Animal Care
and Use Committee

Marvin T Case 19 May 99

Marvin T. Case, D.V.M., Ph.D. Date
Study Monitor

APPENDIX G

DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY

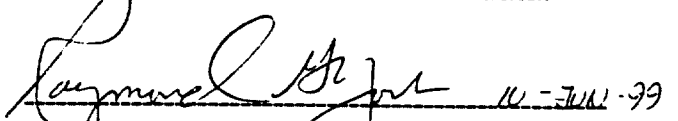
DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY

1. On 8 August 1998, the 5 mL concentration sample was not taken during the first week of dosage administration for the F1 generation rats. This deviation did not adversely affect the outcome or interpretation of the study because sufficient data were collected to accurately evaluate this parameter.

2. On 3 to 8 June 1998 [study days (DSs) 9 to 14], 10 to 15 June 1998 (DSs 16 to 21), 17 June 1998 (DS 23) and 18 June 1998 (DS 24), all Fo generation male and female rats were dosed with the dosage volumes based on body weights recorded on DS 1 (26 May 1998), rather than on weekly body weights. As a result of this error, male rats were administered approximately 89% to 90% of the targeted dosages and female rats were administered approximately 95% to 99% of the targeted dosages. This deviation did not adversely affect the outcome or interpretation of the study because the precohabitation dosage period was extended for an additional two weeks to ensure that all rats were administered the correct dosages before cohabitation.

3. On 21 August 1998 (postweaning day 1), F1 generation male rats 13158 and 13159 in the 0.4 mg/kg/day dosage group were neither weighed nor dosed. The dosage volume for the rest of the week was based on the postweaning day 2 body weight. This deviation did not adversely affect the outcome or interpretation of the study because a sufficient number of postweaning day 1 body weights were collected to evaluate this parameter, and the dosage volumes were based on the day 2 postweaning weight were presumed to be very similar to dosage volumes based on the day 1 postweaning weight.

All deviations are documented in the raw data.



Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director

APPENDIX H

TEMPERATURE AND RELATIVE HUMIDITY REPORTS

ARGUS

Temperature and Relative Humidity Report
Location: Room 17

Protocol Number: 418-008

Range of Dates: 12-May-1998 12:00 to 12-Jun-1998 09:46

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: Rat				
Total Number of Days:	32		32	
Total Number of Hours:	741.5		741.5	
Total Number of Data Points:	742		742	
Mean (± SD):	69.6	(± 1.1)	46.2	(± 3.9)
Maximum:	71.9		61.2	
Median:	69.7		46.5	
Minimum:	66.4		37.9	
Number of Points in Range (%):	742	(100.0)	742	(100.0)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 04-Sep-1998 at 13:18

COMMENTS: _____

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REVIEWED BY: _____ **DATE:** 9/4/98

000758

ARGUS

Temperature and Relative Humidity Report
Location: Room 03

Protocol Number: 418-008

Range of Dates: 12-Jun-1998 09:46 to 21-Sep-1998 13:40

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: Rat				
Total Number of Days:	102		102	
Total Number of Hours:	2427.74		2427.74	
Total Number of Data Points:	2423		2423	
Mean (± SD):	69.0	(± 2.0)	61.6	(± 4.8)
Maximum:	75.3		72.3	
Median:	69.1		63.1	
Minimum:	62.0		45.7	
Number of Points in Range (%):	2405	(99.3)	2404	(99.2)
Number of Points High (%):	0	(0.0)	19	(0.8)
Number of Points Low (%):	18	(0.7)	0	(0.0)

Report Generated: 31-Mar-1999 at 09:02

COMMENTS: _____

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REVIEWED BY: _____ **DATE:** 3-31-99

000759

ARGUS

Temperature and Relative Humidity Report
Location: Room 05

Protocol Number: 418-008

Range of Dates: 27-Jul-1998 12:50 to 28-Dec-1998 08:29

	Temperature 64°F to 79°F		Relative Humidity 30% to 70%	
Target Range:				
Species: Rat				
Total Number of Days:	155		155	
Total Number of Hours:	3691.26		3691.26	
Total Number of Data Points:	3677		3677	
Mean (± SD):	69.3	(± 1.8)	56.3	(± 6.7)
Maximum:	82.7		71.3	
Median:	69.7		58.1	
Minimum:	64.6		34.3	
Number of Points in Range (%):	3661	(99.6)	3667	(99.7)
Number of Points High (%):	16	(0.4)	10	(0.3)
Number of Points Low (%):	0	(0.0)	0	(0.0)

Report Generated: 31-Mar-1999 at 09:22

COMMENTS: _____

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_____

REVIEWED BY: _____ **DATE:** 3-31-99

000760

ARGUS

Temperature and Relative Humidity Report
Location: Room 35-37

Protocol Number: 418-008

Range of Dates: 21-Sep-1998 13:40 to 28-Dec-1998 08:29

	Temperature		Relative Humidity	
Target Range:	64°F to 79°F		30% to 70%	
Species: Rat				
Total Number of Days:	99		99	
Total Number of Hours:	2346.52		2346.52	
Total Number of Data Points:	2336		2336	
Mean (± SD):	69.7	(± 0.7)	52.5	(± 4.0)
Maximum:	73.0		69.5	
Median:	69.7		51.7	
Minimum:	67.8		23.6	
Number of Points in Range (%):	2336	(100.0)	2332	(99.8)
Number of Points High (%):	0	(0.0)	0	(0.0)
Number of Points Low (%):	0	(0.0)	4	(0.2)

Report Generated: 31-Mar-1999 at 09:52

COMMENTS: _____

REVIEWED BY: John T. Darnell Jr **DATE:** 3/31/99

000761

ARGUS

Temperature Deviations Report
Location: Room 03

Protocol Number: 418-008

Range of Dates: 12-Jun-1998 09:46 to 21-Sep-1998 13:40

Temperature Target Range: 64°F to 79°F
Species: Rat

Date	Time	Temp.
17-Jun-1998	03:00	63.9 L
17-Jun-1998	04:00	63.5 L
17-Jun-1998	05:00	63.2 L
17-Jun-1998	06:00	62.9 L
17-Jun-1998	07:00	62.7 L
28-Jun-1998	06:00	63.9 L
28-Jun-1998	07:00	63.7 L
08-Jul-1998	21:00	63.6 L
08-Jul-1998	22:00	63.2 L
08-Jul-1998	23:00	62.8 L
09-Jul-1998	00:00	62.6 L
09-Jul-1998	01:00	62.5 L
09-Jul-1998	02:00	62.3 L
09-Jul-1998	03:00	62.2 L
09-Jul-1998	04:00	62.1 L
09-Jul-1998	05:00	62.0 L
09-Jul-1998	06:00	62.0 L
09-Jul-1998	07:00	62.4 L

H = Value out of range - High L = Value out of range - Low
Temp. = Temperature °F

Report Generated: 31-Mar-1999 at 09:09

✓ These deviations did not adversely affect the outcome or interpretation of the study.

_____ The following deviation(s) impacted on the outcome of the study as described:

_____

_____

Study Director: _____ Date: 31-MAR-99

000762

ARGUS

Relative Humidity Deviations Report
Location: Room 03

Protocol Number: 418-008

Range of Dates: 12-Jun-1998 09:46 to 21-Sep-1998 13:40

Humidity Target Range: 30% to 70%
Species: Rat

Date	Time	R.H.	Date	Time	R.H.
26-Jun-1998	11:00	70.7 H			
26-Jun-1998	12:00	71.0 H			
09-Jul-1998	08:00	70.1 H			
09-Jul-1998	11:00	70.2 H			
09-Jul-1998	12:00	70.6 H			
21-Jul-1998	12:00	70.2 H			
24-Jul-1998	10:00	70.1 H			
16-Aug-1998	17:00	72.0 H			
16-Aug-1998	19:00	71.0 H			
18-Aug-1998	01:00	70.2 H			
24-Aug-1998	15:00	70.3 H			
25-Aug-1998	17:00	70.6 H			
27-Aug-1998	15:00	72.3 H			
30-Aug-1998	13:00	70.6 H			
31-Aug-1998	11:00	71.2 H			
15-Sep-1998	21:00	70.2 H			
16-Sep-1998	14:00	72.1 H			

H = Value out of range - High L = Value out of range - Low
R.H. = Relative Humidity (%)

Report Generated: 31-Mar-1999 at 09:15

✓ These deviations did not adversely affect the outcome or interpretation of the study.

_____ The following deviation(s) impacted on the outcome of the study as described:

Study Director: _____ Date: 31-MAR-99

000763

ARGUS

Temperature Deviations Report
Location: Room 05

Protocol Number: 418-008

Range of Dates: 27-Jul-1998 12:50 to 28-Dec-1998 08:29

Temperature Target Range: 64°F to 79°F
Species: Rat

Date	Time	Temp.	Date	Time	Temp.
19-Sep-1998	16:00	80.8 H			
19-Sep-1998	17:00	81.7 H			
19-Sep-1998	18:00	82.4 H			
19-Sep-1998	19:00	82.7 H			
19-Sep-1998	20:00	82.4 H			
19-Sep-1998	21:00	82.1 H			
19-Sep-1998	22:00	81.9 H			
19-Sep-1998	23:00	81.8 H			
20-Sep-1998	00:00	81.6 H			
20-Sep-1998	01:00	81.5 H			
20-Sep-1998	02:00	81.3 H			
20-Sep-1998	03:00	81.2 H			
20-Sep-1998	04:00	81.1 H			
20-Sep-1998	05:00	81.0 H			
20-Sep-1998	06:00	81.1 H			
20-Sep-1998	07:00	81.1 H			

H = Value out of range - High L = Value out of range - Low
Temp. = Temperature °F

Report Generated: 31-Mar-1999 at 09:36

✓ These deviations did not adversely affect the outcome or interpretation of the study.

_____ The following deviation(s) impacted on the outcome of the study as described:

Study Director: _____ Date: 31-MAR-99

000764

ARGUS

Relative Humidity Deviations Report
Location: Room 05

Protocol Number: 418-008

Range of Dates: 27-Jul-1998 12:50 to 28-Dec-1998 08:29

Humidity Target Range: 30% to 70%
Species: Rat

Date	Time	R.H.	Date	Time	R.H.
26-Sep-1998	14:00	70.7 H			
26-Sep-1998	16:00	70.1 H			
26-Sep-1998	19:00	70.1 H			
30-Sep-1998	17:00	70.1 H			
09-Oct-1998	02:00	70.5 H			
14-Oct-1998	07:00	70.4 H			
14-Oct-1998	11:00	70.1 H			
03-Nov-1998	16:00	70.3 H			
07-Dec-1998	08:00	71.3 H			

H = Value out of range - High L = Value out of range - Low
R.H. = Relative Humidity (%)

Report Generated: 31-Mar-1999 at 09:45

✓ These deviations did not adversely affect the outcome or interpretation of the st

_____ The following deviation(s) impacted on the outcome of the study as described:

Study Director: _____ Date: 31-MAR-99

ARGUS

Relative Humidity Deviations Report
Location: Room 35-37

Protocol Number: 418-008

Range of Dates: 21-Sep-1998 13:40 to 28-Dec-1998 08:29

Humidity Target Range: 30% to 70%
Species: Rat

Date	Time	R.H.	Date	Time	R.H.
23-Sep-1998	10:00	29.3 L			
23-Sep-1998	11:00	27.3 L			
23-Sep-1998	12:00	28.2 L			
23-Sep-1998	13:00	23.6 L			

H = Value out of range - High L = Value out of range - Low
R.H. = Relative Humidity (%)

Report Generated: 31-Mar-1999 at 10:12

✓ These deviations did not adversely affect the outcome or interpretation of the study.

_____ The following deviation(s) impacted on the outcome of the study as described:

Study Director: Raymond Hojnacki Date: 31-MAR-99

APPENDIX I

STATEMENT OF THE STUDY DIRECTOR

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, Pennsylvania 19044
T: (215) 443-8710 F: (215) 443-8587

PROTOCOL 418-008: COMBINED ORAL (GAVAGE) FERTILITY, DEVELOPMENTAL AND PERINATAL/POSTNATAL REPRODUCTION TOXICITY STUDY OF PFOS IN RATS
SPONSOR'S STUDY NUMBER: 6295.9

STATEMENT OF THE STUDY DIRECTOR

This final report accurately reflects the raw data obtained during the performance of the study. No deviations from the U.S. Food and Drug Administration (FDA) Good Laboratory Practice Regulations; Final Rule[a], the Japanese Ministry of Health and Welfare (MHW) *Good Laboratory Practice Standard for Safety Studies on Drugs*[b] and the European Economic Community (EEC) *Council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice*[c] occurred that affected the quality or integrity of the study.

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
and Study Director
Argus Research Laboratories, Inc.

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a. U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.

b. Japanese Ministry of Health and Welfare (1997). *Good Laboratory Practice Standard for Safety Studies on Drugs*, MHW Ordinance Number 21, March 26, 1997.

c. European Economic Community (1989). *Council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice*. Official Journal of the European Communities: Legislation. 32(No. L 315; 28 October): 1-17.

APPENDIX J

QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT

PRIMEDICA

Argus Research Laboratories, Inc.
905 Sheehy Drive, Building A
Horsham, PA 19044
Telephone: (215) 443-8710
Telefax: (215) 443-8587

QUALITY ASSURANCE UNIT FINAL REPORT STATEMENT

Study Director: Raymond G. York, Ph.D., DABT

Executive Director of Research: Mildred S. Christian, Ph.D., Fellow, ATS

Protocol 418-008: Combined Oral (Gavage) Fertility, Developmental and Perinatal/Postnatal Reproduction Toxicity Study of PFOS in Rats
Sponsor's Study Number: 6295.9

The draft protocol for this study was audited for adherence to U.S. Food and Drug Administration (FDA) Good Laboratory Practice Regulations, Japanese Ministry of Health and Welfare (MHW); Good Laboratory Practice Standard for Safety Studies on Drugs, and European Economic Community (1989) council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice on 13 MAY 98.

Critical phases of this study were inspected 24 times; study information and raw data were audited six times (see tables 1 and 2 for dates and phases/data).

The draft final report and the raw data for this study were compared and audited for accuracy, for adherence to protocol requirements, and for adherence to U.S. Food and Drug Administration (FDA) Good Laboratory Practice Regulations, Japanese Ministry of Health and Welfare (MHW); Good Laboratory Practice Standard for Safety Studies on Drugs, and European Economic Community (1989) council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice between 05 DEC 98 and 29 APR 99, and for revisions requested by the Sponsor 18 MAY 99, 7 JUN 99, 9 JUN 99, and for finalization on 10 JUN 99.

This study was conducted according to U.S. Food and Drug Administration (FDA) Good Laboratory Practice Regulations, Japanese Ministry of Health and Welfare (MHW); Good Laboratory Practice Standard for Safety Studies on Drugs, and European Economic Community (1989) council decision on 28 July 1989 on the acceptance by the European Economic Community of an OECD decision/recommendation on compliance with principles of good laboratory practice.

Nancy J. Gongliewski 10 Jun 99 Heather L. Rabuttino 10 JUN 99

Nancy J. Gongliewski Quality Assurance Manager	Date	Heather L. Rabuttino, M.S. Quality Assurance Supervisor and Principal Auditor	Date

TABLE 1

CRITICAL PHASES INSPECTED

Test Article Administration - Gavage

Dates of inspection: 28 MAY 98, 02 JUN 98, 03 SEP 98

Dates results reported to the Study Director and Management:
15 JUN 98, 15 JUN 98, 18 SEP 98

Estrous Cycle Evaluation

Date of inspection: 11 JUN 98

Date results reported to the Study Director and Management: 11 JUN 98

Cohabitation

Dates of inspection: 08 JUL 98, 04 NOV 98

Dates results reported to the Study Director and Management:
14 JUL 98, 12 NOV 98

Scheduled Sacrifice - Day 10

Date of inspection: 17 JUL 98

Date results reported to the Study Director and Management: 03 AUG 98

Test Article Preparation

Dates of inspection: 29 JUL 98, 16 SEP 98

Dates results reported to the Study Director and Management:
14 AUG 98, 24 SEP 98

Natural Delivery

Dates of inspection: 31 JUL 98, 25 NOV 98

Dates results reported to the Study Director and Management:
14 AUG 98, 02 DEC 98

Blood Collection

Dates of inspection: 31 JUL 98, 18 AUG 98

Dates results reported to the Study Director and Management:
14 AUG 98, 21 AUG 98

Physical and Reflex Development - Surface Righting, Pinna Unfolding, Eye Opening, Auditory Startle, Air Righting, Pupil Constriction, Sexual Maturation

Dates of inspection: 31 JUL 98, 13 AUG 98, 18 AUG 98, 28 AUG 98, 11 SEP 98

Dates results reported to the Study Director and Management:
14 AUG 98, 03 SEP 98, 08 SEP 98, 11 SEP 98, 12 SEP 98

Male Necropsy

Date of inspection: 31 JUL 98

Date results reported to the Study Director and Management: 14 AUG 98

Necropsy - Dam and Litter Sacrifice

Dates of inspection: 18 AUG 98, 15 DEC 98

Dates results reported to the Study Director and Management:
21 AUG 98, 18 DEC 98

Day 21 Weaning

Date of inspection: 18 AUG 98

Date results reported to the Study Director and Management: 08 SEP 98

Behavioral Testing - Passive Avoidance, Watermaze,

Dates of inspection: 25 AUG 98, 08 OCT 98

Dates results reported to the Study Director and Management:
12 SEP 98, 12 OCT 98

TABLE 2

RAW DATA AUDIT(S)

The following study information and raw data were audited on 29 SEP 98, 01 OCT 98, 04 OCT 98 TO 05 OCT 98:

Protocol.
Protocol amendments.
List of personnel and computer operator codes.
Error codes and codes for clinical sigh observations.
Animal receipt, randomization, physical examination and acclimation.
In-life transaction record.
Feed consumption.
Necropsy.
Organ weights.
Tissue packing lists.
Edit requests.
Deviations.
Data review page/pages.
Blood collection data and packing lists.
Key for testing facility computer backup record abbreviations.

The results of this audit were reported to the Study Director and Management on 06 OCT 98.

The following study information and raw data were audited on 06 OCT 98, 12 OCT 98, 02 NOV 98 TO 06 NOV 98:

Animal receipt, randomization, physical examination and acclimation.
In-life transaction record.
Feed consumption.
Estrus cycle evaluation.
Cohabitation.
Caesarean-sectioning.
Maternal gross observations
Natural delivery observations.
Litter observations.
Pup body weights and status.
Table of random units.
Necropsy.
Tissue packing lists.
General comments.
Reflex and physical development.
Study maintenance records.
Temperature and relative humidity reports.
Feed, water and bedding analyses.
Edit requests.
Data review page.
Blood collection data and packing lists.
Pup stomach contents.

The results of this audit were reported to the Study Director and Management on 08 NOV 98.

The following study information and raw data were audited on 08 NOV 98 to 09 NOV 98:

Vehicle receipt, preparation and use.
Test article receipt, preparation and use.
Test article packing lists.

The results of this audit were reported to the Study Director and Management on 12 NOV 98.

The following study information and raw data were audited on 26 JAN 99 to 28 JAN 99:

In-life transaction record.
Feed consumption.
Passive avoidance.
Watermaze.
Genealogy chart.
Necropsy.
Organ weights.
Tissue packing lists.
Sexual Maturation.
Edit request.

The results of this audit were reported to the Study Director and Management on 28 JAN 99.

The following study information and raw data were audited on 28 JAN 99 to 01 FEB 99:

In-life transaction record.
Feed consumption.
Cohabitation.
Natural delivery observations.
Litter observations.
Pup body weights and status.
Passive avoidance.
Watermaze.
Table of random units.
Necropsy.
Tissue packing lists.
General comments.
Sexual maturation.
Study maintenance records.
Temperature and relative humidity reports.
Feed, water and bedding analyses.
Edit requests.
Dosage volumes.
Data review pages.

The results of this audit were reported to the Study Director and Management on 01 FEB 99.

The following study information and raw data were audited on 25 JAN 99:

Vehicle receipt, preparation and use.
Test article receipt, preparation and use.
Test article packing lists.

The results of this audit were reported to the Study Director and Management on 28 JAN 99.