Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

Uterine section report with litter -- 0-1000, 300-1000

NTP Study Number: C20614

Lock Date: 01/10/2012

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

25016 Aborted

Removal Date Range: ALL

Treatment Groups: Include 008 0/1000 ppm

n Include 010 300/1000 ppm

Study Gender: Both

TDMSE Version: 2.5.0.0_SFH

PWG Approval Date: 07/25/2018

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females
DOSE	0/1000 ppm	300/1000 ppm	
Uterus (Longitudinal Evalua	ation)		
Adenomyosis	,		
LESION RATES			
OVERALL (a)	1/48 (2%)	0/48 (0%)	
LITTERS (b)	1/30 (3%)	0/30 (0%)	
POLY-3 RATE (c)	1/36.85	0/36.25	
POLY-3 PERCENT (g)	2.7%	0%	
TERMINAL (d)	1/23 (4%)	0/23 (0%)	
FIRST INCIDENCE	744 (T)		
STATISTICAL TESTS			
POLY 3		P=0.503N	
POLY 1.5		P=0.500N	
POLY 6		P=0.511N	
RAO-SCOTT		P=0.555N	
LITTER C-A/FISHERS		P=0.500N	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females			
DOSE	0/1000 ppm	300/1000 ppm			
Uterus (Standard or Longitudinal Evaluation) Adenomyosis					
LESION RATES					
OVERALL (a)	1/49 (2%)	0/50 (0%)			
LITTERS (b)	1/31 (3%)	0/30 (0%)			
POLY-3 RATE (c)	1/36.88	0/37.22			
POLY-3 PERCENT (g)	2.7%	0%			
TERMINAL (d)	1/23 (4%)	0/23 (0%)			
FIRST INCIDENCE	744 (T)				
STATISTICAL TESTS					
POLY 3		P=0.498N			
POLY 1.5		P=0.494N			
POLY 6		P=0.507N			
RAO-SCOTT		P=0.547N			
LITTER C-A/FISHERS		P=0.508N			

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

DOSE	0/1000 ppm	300/1000 ppm
Uterus (Standard Evaluation	n)	
Dilation		
LESION RATES		
OVERALL (a)	3/49 (6%)	3/50 (6%)
LITTERS (b)	3/31 (10%)	3/30 (10%)
POLY-3 RATE (c)	3/37.39	3/37.32
POLY-3 PERCENT (g)	8%	8%
TERMINAL (d)	1/23 (4%)	2/23 (9%)
FIRST INCIDENCE	652	718
STATISTICAL TESTS		
POLY 3		P=0.663
POLY 1.5		P=0.652N
POLY 6		P=0.638
RAO-SCOTT		P=0.626
LITTER C-A/FISHERS		P=0.648

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females		
DOSE	0/1000 ppm	300/1000 ppm		
Uterus (Longitudinal Evaluation) Dilation				
LESION RATES				
OVERALL (a)	3/48 (6%)	2/48 (4%)		
LITTERS (b)	3/30 (10%)	2/30 (7%)		
POLY-3 RATE (c)	3/37.36	2/36.25		
POLY-3 PERCENT (g)	8%	5.5%		
TERMINAL (d)	1/23 (4%)	2/23 (9%)		
FIRST INCIDENCE	652	744 (T)		
STATISTICAL TESTS				
POLY 3		P=0.514N		
POLY 1.5		P=0.503N		
POLY 6		P=0.537N		
RAO-SCOTT		P=0.483N		
LITTER C-A/FISHERS		P=0.500N		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus (Standard or Longitu	ıdinal Evaluation)		
Dilation			
LESION RATES			
OVERALL (a)	3/49 (6%)	3/50 (6%)	
LITTERS (b)	3/31 (10%)	3/30 (10%)	
POLY-3 RATE (c)	3/37.39	3/37.32	
POLY-3 PERCENT (g)	8%	8%	
TERMINAL (d)	1/23 (4%)	2/23 (9%)	
FIRST INCIDENCE	652	718	
STATISTICAL TESTS			
POLY 3		P=0.663	
POLY 1.5		P=0.652N	
POLY 6		P=0.638	
RAO-SCOTT		P=0.626	
LITTER C-A/FISHERS		P=0.648	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

DOSE	0/1000 ppm	300/1000 ppm
Uterus (Standard Evaluation Hemorrhage)	
LESION RATES		
OVERALL (a)	1/49 (2%)	0/50 (0%)
LITTERS (b)	1/31 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.06	0/37.22
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	695	
STATISTICAL TESTS		
POLY 3		P=0.499N
POLY 1.5		P=0.495N
POLY 6		P=0.509N
RAO-SCOTT		P=0.539N
LITTER C-A/FISHERS		P=0.508N

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

DOSE	0/1000 ppm	300/1000 ppm
Uterus (Longitudinal Evalua	ation)	
Hemorrhage	,	
LESION RATES		
OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.04	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	695	
STATISTICAL TESTS		
POLY 3		P=0.504N
POLY 1.5		P=0.500N
POLY 6		P=0.513N
RAO-SCOTT		P=0.547N
LITTER C-A/FISHERS		P=0.500N

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females			
DOSE	0/1000 ppm	300/1000 ppm			
Uterus (Standard or Longitudinal Evaluation) Hemorrhage					
LESION RATES					
OVERALL (a)	1/49 (2%)	0/50 (0%)			
LITTERS (b)	1/31 (3%)	0/30 (0%)			
POLY-3 RATE (c)	1/37.06	0/37.22			
POLY-3 PERCENT (g)	2.7%	0%			
TERMINAL (d)	0/23 (0%)	0/23 (0%)			
FIRST INCIDENCE	695				
STATISTICAL TESTS					
POLY 3		P=0.499N			
POLY 1.5		P=0.495N			
POLY 6		P=0.509N			
RAO-SCOTT		P=0.539N			
LITTER C-A/FISHERS		P=0.508N			

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm	· Omaioo	
Uterus (Longitudinal Evalua	ation)			
Hyperplasia, Atypical				
LESION RATES				
OVERALL (a)	3/48 (6%)	3/48 (6%)		
LITTERS (b)	3/30 (10%)	3/30 (10%)		
POLY-3 RATE (c)	3/36.97	3/36.25		
POLY-3 PERCENT (g)	8.1%	8.3%		
TERMINAL (d)	2/23 (9%)	3/23 (13%)		
FIRST INCIDENCE	714	744 (T)		
STATISTICAL TESTS				
POLY 3		P=0.655		
POLY 1.5		P=0.663		
POLY 6		P=0.636		
RAO-SCOTT		P=0.618		
LITTER C-A/FISHERS		P=0.665		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus (Standard or Longit	udinal Evaluation)			
Hyperplasia, Atypical				
LESION RATES				
OVERALL (a)	3/49 (6%)	3/50 (6%)		
LITTERS (b)	3/31 (10%)	3/30 (10%)		
POLY-3 RATE (c)	3/36.99	3/37.22		
POLY-3 PERCENT (g)	8.1%	8.1%		
TERMINAL (d)	2/23 (9%)	3/23 (13%)		
FIRST INCIDENCE	714	744 (T)		
STATISTICAL TESTS				
POLY 3		P=0.661N		
POLY 1.5		P=0.650N		
POLY 6		P=0.645		
RAO-SCOTT		P=0.622N		
LITTER C-A/FISHERS		P=0.648		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus (Standard Evaluation) Inflammation)		
LESION RATES			
OVERALL (a)	4/49 (8%)	1/50 (2%)	
LITTERS (b)	3/31 (10%)	1/30 (3%)	
POLY-3 RATE (c)	4/37.71	1/37.90	
POLY-3 PERCENT (g)	10.6%	2.6%	
TERMINAL (d)	0/23 (0%)	0/23 (0%)	
FIRST INCIDENCE	669	508	
STATISTICAL TESTS			
POLY 3		P=0.175N	
POLY 1.5		P=0.169N	
POLY 6		P=0.192N	
RAO-SCOTT		P=0.266N	
LITTER C-A/FISHERS		P=0.319N	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females
DOSE	0/1000 ppm	300/1000 ppm
Uterus (Longitudinal Evalua Inflammation	ation)	
LESION RATES		
OVERALL (a)	3/48 (6%)	0/48 (0%)
LITTERS (b)	2/30 (7%)	0/30 (0%)
POLY-3 RATE (c)	3/37.58	0/36.25
POLY-3 PERCENT (g)	8%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	669	
STATISTICAL TESTS		
POLY 3		P=0.124N
POLY 1.5		P=0.120N
POLY 6		P=0.134N
RAO-SCOTT		P=0.291N
LITTER C-A/FISHERS		P=0.246N

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females
DOSE	0/1000 ppm	300/1000 ppm
Uterus (Standard or Longitu Inflammation	udinal Evaluation)	
LESION RATES		
OVERALL (a)	4/49 (8%)	1/50 (2%)
LITTERS (b)	3/31 (10%)	1/30 (3%)
POLY-3 RATE (c)	4/37.71	1/37.90
POLY-3 PERCENT (g)	10.6%	2.6%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	669	508
STATISTICAL TESTS		
POLY 3		P=0.175N
POLY 1.5		P=0.169N
POLY 6		P=0.192N
RAO-SCOTT		P=0.266N
LITTER C-A/FISHERS		P=0.319N

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus (Standard Evaluatior Inflammation, Acute	n)		
LESION RATES			
OVERALL (a)	1/49 (2%)	1/50 (2%)	
LITTERS (b)	1/31 (3%)	1/30 (3%)	
POLY-3 RATE (c)	1/36.88	1/38.08	
POLY-3 PERCENT (g)	2.7%	2.6%	
TERMINAL (d)	1/23 (4%)	0/23 (0%)	
FIRST INCIDENCE	744 (T)	391	
STATISTICAL TESTS			
POLY 3		P=0.754N	
POLY 1.5		P=0.751N	
POLY 6		P=0.760	
RAO-SCOTT		P=0.702N	
LITTER C-A/FISHERS		P=0.746	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females
DOSE	0/1000 ppm	300/1000 ppm
Uterus (Longitudinal Evalua Inflammation, Acute	ation)	
LESION RATES		
OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	
STATISTICAL TESTS		
POLY 3		P=0.503N
POLY 1.5		P=0.500N
POLY 6		P=0.511N
RAO-SCOTT		P=0.555N
LITTER C-A/FISHERS		P=0.500N

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus (Standard or Longitu Inflammation, Acute	udinal Evaluation)			
LESION RATES				
OVERALL (a)	1/49 (2%)	1/50 (2%)		
LITTERS (b)	1/31 (3%)	1/30 (3%)		
POLY-3 RATE (c)	1/36.88	1/38.08		
POLY-3 PERCENT (g)	2.7%	2.6%		
TERMINAL (d)	1/23 (4%)	0/23 (0%)		
FIRST INCIDENCE	744 (T)	391		
STATISTICAL TESTS				
POLY 3		P=0.754N		
POLY 1.5		P=0.751N		
POLY 6		P=0.760		
RAO-SCOTT		P=0.702N		
LITTER C-A/FISHERS		P=0.746		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus, Cervix (Standard Ev Inflammation	valuation)		
LESION RATES			
OVERALL (a)	1/49 (2%)	0/50 (0%)	
LITTERS (b)	1/31 (3%)	0/30 (0%)	
POLY-3 RATE (c)	1/36.88	0/37.22	
POLY-3 PERCENT (g)	2.7%	0%	
TERMINAL (d)	1/23 (4%)	0/23 (0%)	
FIRST INCIDENCE	744 (T)		
STATISTICAL TESTS			
POLY 3		P=0.498N	
POLY 1.5		P=0.494N	
POLY 6		P=0.507N	
RAO-SCOTT		P=0.534N	
LITTER C-A/FISHERS		P=0.508N	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus, Cervix (Longitudina Inflammation	l Evaluation)		
LESION RATES			
OVERALL (a)	1/48 (2%)	0/48 (0%)	
LITTERS (b)	1/30 (3%)	0/30 (0%)	
POLY-3 RATE (c)	1/36.85	0/36.25	
POLY-3 PERCENT (g)	2.7%	0%	
TERMINAL (d)	1/23 (4%)	0/23 (0%)	
FIRST INCIDENCE	744 (T)		
STATISTICAL TESTS			
POLY 3		P=0.503N	
POLY 1.5		P=0.500N	
POLY 6		P=0.511N	
RAO-SCOTT		P=0.542N	
LITTER C-A/FISHERS		P=0.500N	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus, Cervix (Standard or	Longitudinal Evaluation	n)		
Inflammation				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)		
LITTERS (b)	1/31 (3%)	0/30 (0%)		
POLY-3 RATE (c)	1/36.88	0/37.22		
POLY-3 PERCENT (g)	2.7%	0%		
TERMINAL (d)	1/23 (4%)	0/23 (0%)		
FIRST INCIDENCE	744 (T)			
STATISTICAL TESTS				
POLY 3		P=0.498N		
POLY 1.5		P=0.494N		
POLY 6		P=0.507N		
RAO-SCOTT		P=0.534N		
LITTER C-A/FISHERS		P=0.508N		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus, Cervix (Longitudina	l Evaluation)			
Stromal Hyperplasia				
LESION RATES				
OVERALL (a)	0/48 (0%)	2/48 (4%)		
LITTERS (b)	0/30 (0%)	2/30 (7%)		
POLY-3 RATE (c)	0/36.85	2/37.29		
POLY-3 PERCENT (g)	0%	5.4%		
TERMINAL (d)	0/23 (0%)	0/23 (0%)		
FIRST INCIDENCE		391		
STATISTICAL TESTS				
POLY 3		P=0.239		
POLY 1.5		P=0.241		
POLY 6		P=0.233		
RAO-SCOTT		P=0.318		
LITTER C-A/FISHERS		P=0.246		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Jterus, Cervix (Standard or Stromal Hyperplasia	Longitudinal Evaluation	n)		
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)		
LITTERS (b)	0/31 (0%)	2/30 (7%)		
POLY-3 RATE (c)	0/36.88	2/38.26		
POLY-3 PERCENT (g)	0%	5.2%		
TERMINAL (d)	0/23 (0%)	0/23 (0%)		
FIRST INCIDENCE		391		
STATISTICAL TESTS				
POLY 3		P=0.245		
POLY 1.5		P=0.247		
POLY 6		P=0.237		
RAO-SCOTT		P=0.314		
LITTER C-A/FISHERS		P=0.238		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus, Cervix, Epithelium Basal Cell Hyperplasia	(Longitudinal Evaluation)		
LESION RATES				
OVERALL (a)	2/48 (4%)	4/48 (8%)		
LITTERS (b)	2/30 (7%)	4/30 (13%)		
POLY-3 RATE (c)	2/36.97	4/36.25		
POLY-3 PERCENT (g)	5.4%	11%		
TERMINAL (d)	0/23 (0%)	4/23 (17%)		
FIRST INCIDENCE	721	744 (T)		
STATISTICAL TESTS				
POLY 3		P=0.326		
POLY 1.5		P=0.336		
POLY 6		P=0.306		
RAO-SCOTT		P=0.319		
LITTER C-A/FISHERS		P=0.335		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

		F	- Females		
DOSE	0/1000 ppm	300/1000 ppm			
Uterus, Cervix, Epithelium (Basal Cell Hyperplasia	Standard or Longitudina	l Evaluation)			
LESION RATES					
OVERALL (a)	2/48 (4%)	4/48 (8%)			
LITTERS (b)	2/30 (7%)	4/30 (13%)			
POLY-3 RATE (c)	2/36.97	4/36.25			
POLY-3 PERCENT (g)	5.4%	11%			
TERMINAL (d)	0/23 (0%)	4/23 (17%)			
FIRST INCIDENCE	721	744 (T)			
STATISTICAL TESTS					
POLY 3		P=0.326			
POLY 1.5		P=0.336			
POLY 6		P=0.306			
RAO-SCOTT		P=0.319			
LITTER C-A/FISHERS		P=0.335			

Test Type: CHRONIC
Route: DOSED FEED
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Lab: BAT

		Females	
DOSE	0/1000 ppm	300/1000 ppm	
Uterus, Endometrium (Long Hyperplasia	gitudinal Evaluation)		
LESION RATES			
OVERALL (a)	1/48 (2%)	0/48 (0%)	
LITTERS (b)	1/30 (3%)	0/30 (0%)	
POLY-3 RATE (c)	1/36.85	0/36.25	
POLY-3 PERCENT (g)	2.7%	0%	
TERMINAL (d)	1/23 (4%)	0/23 (0%)	
FIRST INCIDENCE	744 (T)		
STATISTICAL TESTS			
POLY 3		P=0.503N	
POLY 1.5		P=0.500N	
POLY 6		P=0.511N	
RAO-SCOTT		P=0.554N	
LITTER C-A/FISHERS		P=0.500N	

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus, Endometrium (Stan	ndard or Longitudinal Eva	aluation)		
Hyperplasia				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)		
LITTERS (b)	1/31 (3%)	0/30 (0%)		
POLY-3 RATE (c)	1/36.88	0/37.22		
POLY-3 PERCENT (g)	2.7%	0%		
TERMINAL (d)	1/23 (4%)	0/23 (0%)		
FIRST INCIDENCE	744 (T)			
STATISTICAL TESTS				
POLY 3		P=0.498N		
POLY 1.5		P=0.494N		
POLY 6		P=0.507N		
RAO-SCOTT		P=0.546N		
LITTER C-A/FISHERS		P=0.508N		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

			Females			
DOSE	0/1000 ppm	300/1000 ppm				
Uterus, Endometrium (Standard Evaluation)						
Hyperplasia, Cystic						
LESION RATES						
OVERALL (a)	18/49 (37%)	18/50 (36%)				
LITTERS (b)	15/31 (48%)	16/30 (53%)				
POLY-3 RATE (c)	18/39.69	18/39.75				
POLY-3 PERCENT (g)	45.4%	45.3%				
TERMINAL (d)	11/23 (48%)	12/23 (52%)				
FIRST INCIDENCE	379	391				
STATISTICAL TESTS						
POLY 3		P=0.589N				
POLY 1.5		P=0.556N				
POLY 6		P=0.540				
RAO-SCOTT		P=0.569N				
LITTER C-A/FISHERS		P=0.448				

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

			Females			
DOSE	0/1000 ppm	300/1000 ppm				
Uterus, Endometrium (Longitudinal Evaluation)						
Hyperplasia, Cystic						
LESION RATES						
OVERALL (a)	27/48 (56%)	27/48 (56%)				
LITTERS (b)	20/30 (67%)	17/30 (57%)				
POLY-3 RATE (c)	27/43.82	27/42.82				
POLY-3 PERCENT (g)	61.6%	63.1%				
TERMINAL (d)	13/23 (57%)	14/23 (61%)				
FIRST INCIDENCE	253	391				
STATISTICAL TESTS						
POLY 3		P=0.534				
POLY 1.5		P=0.549				
POLY 6		P=0.508				
RAO-SCOTT		P=0.532				
LITTER C-A/FISHERS		P=0.298N				

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

Females					
DOSE	0/1000 ppm	300/1000 ppm			
Uterus, Endometrium (Standard or Longitudinal Evaluation) Hyperplasia, Cystic					
LESION RATES					
OVERALL (a)	27/49 (55%)	27/50 (54%)			
LITTERS (b)	20/31 (65%)	17/30 (57%)			
POLY-3 RATE (c)	27/43.85	27/43.79			
POLY-3 PERCENT (g)	61.6%	61.7%			
TERMINAL (d)	13/23 (57%)	14/23 (61%)			
FIRST INCIDENCE	253	391			
STATISTICAL TESTS					
POLY 3		P=0.587			
POLY 1.5		P=0.563N			
POLY 6		P=0.545			
RAO-SCOTT		P=0.578			
LITTER C-A/FISHERS		P=0.358N			

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

DOSE	0/1000 ppm	300/1000 ppm
Uterus, Endometrium (Stan	dard Evaluation)	
Metaplasia		
LESION RATES		
OVERALL (a)	10/49 (20%)	11/50 (22%)
LITTERS (b)	10/31 (32%)	10/30 (33%)
POLY-3 RATE (c)	10/38.86	11/39.04
POLY-3 PERCENT (g)	25.7%	28.2%
TERMINAL (d)	6/23 (26%)	7/23 (30%)
FIRST INCIDENCE	379	472
STATISTICAL TESTS		
POLY 3		P=0.505
POLY 1.5		P=0.524
POLY 6		P=0.466
RAO-SCOTT		P=0.487
LITTER C-A/FISHERS		P=0.572

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

DOSE	0/1000 ppm	300/1000 ppm
Uterus, Endometrium (Long	jitudinal Evaluation)	
Metaplasia, Squamous		
LESION RATES		
OVERALL (a)	11/48 (23%)	14/48 (29%)
LITTERS (b)	10/30 (33%)	12/30 (40%)
POLY-3 RATE (c)	11/38.92	14/39.35
POLY-3 PERCENT (g)	28.3%	35.6%
TERMINAL (d)	6/23 (26%)	7/23 (30%)
FIRST INCIDENCE	379	472
STATISTICAL TESTS		
POLY 3		P=0.324
POLY 1.5		P=0.329
POLY 6		P=0.309
RAO-SCOTT		P=0.319
LITTER C-A/FISHERS		P=0.395

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid **CAS Number:** 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

	Females Females				
DOSE	0/1000 ppm	300/1000 ppm			
Uterus, Endometrium (Stand	dard or Longitudinal Eva	luation)			
Metaplasia, Squamous or M	etaplasia				
LESION RATES					
OVERALL (a)	11/49 (22%)	14/50 (28%)			
LITTERS (b)	10/31 (32%)	12/30 (40%)			
POLY-3 RATE (c)	11/38.95	14/40.32			
POLY-3 PERCENT (g)	28.2%	34.7%			
TERMINAL (d)	6/23 (26%)	7/23 (30%)			
FIRST INCIDENCE	379	472			
STATISTICAL TESTS					
POLY 3		P=0.351			
POLY 1.5		P=0.359			
POLY 6		P=0.327			
RAO-SCOTT		P=0.344			
LITTER C-A/FISHERS		P=0.358			

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid CAS Number: 335-67-1

Date Report Requested: 03/10/2022 Time Report Requested: 10:48:28 First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

	Females					
DOSE	0/1000 ppm	300/1000 ppm				
Uterus, Endometrial Glands (Longitudinal Evaluation) Hyperplasia						
LESION RATES						
OVERALL (a)	1/48 (2%)	0/48 (0%)				
LITTERS (b)	1/30 (3%)	0/30 (0%)				
POLY-3 RATE (c)	1/36.95	0/36.25				
POLY-3 PERCENT (g)	2.7%	0%				
TERMINAL (d)	0/23 (0%)	0/23 (0%)				
FIRST INCIDENCE	718					
STATISTICAL TESTS						
POLY 3		P=0.504N				
POLY 1.5		P=0.500N				
POLY 6		P=0.512N				
RAO-SCOTT		P=0.556N				
LITTER C-A/FISHERS		P=0.500N				

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

			Females	
DOSE	0/1000 ppm	300/1000 ppm		
Uterus, Endometrial Gland	s (Standard or Longitudii	nal Evaluation)		
Hyperplasia	5 (Standard of Longitudin			
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)		
LITTERS (b)	1/31 (3%)	0/30 (0%)		
POLY-3 RATE (c)	1/36.98	0/37.22		
POLY-3 PERCENT (g)	2.7%	0%		
TERMINAL (d)	0/23 (0%)	0/23 (0%)		
FIRST INCIDENCE	718			
STATISTICAL TESTS				
POLY 3		P=0.499N		
POLY 1.5		P=0.494N		
POLY 6		P=0.508N		
RAO-SCOTT		P=0.548N		
LITTER C-A/FISHERS		P=0.508N		

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

	Females				
DOSE	0/1000 ppm	300/1000 ppm			
Vagina (Longitudinal Evaluation) Hyperplasia, Granular Cell					
LESION RATES					
OVERALL (a)	2/48 (4%)	1/48 (2%)			
LITTERS (b)	2/30 (7%)	1/30 (3%)			
POLY-3 RATE (c)	2/37.04	1/36.25			
POLY-3 PERCENT (g)	5.4%	2.8%			
TERMINAL (d)	1/23 (4%)	1/23 (4%)			
FIRST INCIDENCE	695	744 (T)			
STATISTICAL TESTS					
POLY 3		P=0.508N			
POLY 1.5		P=0.501N			
POLY 6		P=0.523N			
RAO-SCOTT		P=0.485N			
LITTER C-A/FISHERS		P=0.500N			

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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Lab: BAT

	Females					
DOSE	0/1000 ppm	300/1000 ppm				
Vagina (Standard or Longitudinal Evaluation) Hyperplasia, Granular Cell						
LESION RATES						
OVERALL (a)	2/49 (4%)	1/50 (2%)				
LITTERS (b)	2/31 (6%)	1/30 (3%)				
POLY-3 RATE (c)	2/37.06	1/37.22				
POLY-3 PERCENT (g)	5.4%	2.7%				
TERMINAL (d)	1/23 (4%)	1/23 (4%)				
FIRST INCIDENCE	695	744 (T)				
STATISTICAL TESTS						
POLY 3		P=0.499N				
POLY 1.5		P=0.491N				
POLY 6		P=0.516N				
RAO-SCOTT		P=0.474N				
LITTER C-A/FISHERS		P=0.513N				

Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

t Type: CHRONIC

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Lab: BAT

LEGEND

(a)	Number of tumor-bearing animals/number of animals examined at site.

- (b) Number of litters with tumor-bearing animals/number of litters examined at site
- (c) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at (P<=0.05).</p>
- ** To the right of any statistical result, indicates significance at (P<=0.01).
- N Indicates a negative trend for all tests
 - The Rao-Scott statistic performs the Poly-3 test with an adjustment for within-litter correlation.

The Litter C-A/Fishers statistic compares directly the litter incidence rates.

*** END OF REPORT ***