

Table 2: Inter-Assay Precision and Accuracy for PFOS Quality Control Samples in Rat Serum for Study #FACT-TOX-111

Run No.	PFOS Concentration (µg/mL)				
	QC1 0.2	QC2 6	QC3 18	QC4 100 (1 in 10 Dilution)	QC4 100 (1 in 20 Dilution)
1	0.232	6.17	18.2	NA	NA
	0.212	6.28	18.4	NA	NA
	0.210	6.11	18.2	NA	NA
	0.216	5.97	18.2	NA	NA
2	0.216	6.00	18.1	NA	NA
	0.227	6.09	19.0	NA	NA
	0.224	6.07	19.8	NA	NA
	0.219	6.18	18.5	NA	NA
3	0.211	5.97	18.8	116	NA
	0.210	5.84	18.2	114	NA
	0.217	6.07	18.8	113	NA
	0.214	5.99	17.9	106	NA
4	0.222	6.48	19.3	NA	112
	0.233	6.23	19.7	NA	109
	0.214	6.54	19.6	NA	117
	0.225	6.30	18.5	NA	113
Mean	0.219	6.14	18.7	112	113
RSD (%)	3.43	3.08	3.28	3.61	2.78
RE	9.39	2.38	3.86	12.3	12.7

RSD = (SD/Mean) x 100%

RE = [(Mean-Nominal)/Nominal] x 100%

NA: Not applicable.



Table 3: Inter-Assay Precision and Accuracy for PFOS Calibration Standards in Rat Serum for Study #FACT-TOX-111

Run No.	PFOS Concentration (µg/mL)									
	STD1 0.05	STD2 0.1	STD3 0.25	STD4 0.5	STD5 1	STD6 2	STD7 4	STD8 8	STD9 16	STD10 20
1	0.0496	0.0993	0.238	0.493	0.957	2.13	4.39	7.72	16.0	20.4
	0.0513	0.101	0.243	0.491	0.963	2.12	4.38	7.76	15.5	20.0
2	0.0470	0.101	0.244	0.542	0.899	2.03	4.30	7.67	16.0	20.6
	0.0538	0.101	0.244	0.539	0.928	2.03	4.43	7.77	15.8	19.8
3	0.0490	0.105	0.254	0.482	0.980	2.15	4.49	7.80	16.9	20.4
	0.0511	0.0980	0.242	0.487	0.937	2.01	4.39	7.39	15.8	19.2
4	0.0522	0.0950	0.246	0.484	0.953	2.11	4.47	7.59	15.9	20.6
	0.0491	0.104	0.246	0.481	0.958	2.13	4.50	7.89	15.3	20.0
Mean	0.0504	0.100	0.245	0.500	0.947	2.09	4.42	7.70	15.9	20.1
RSD (%)	4.24	3.04	1.80	5.08	2.66	2.67	1.52	1.98	2.98	2.34
RE	0.775	0.425	-2.16	-0.0325	-5.31	4.49	10.5	-3.76	-0.651	0.626

$RSD = (SD/Mean) \times 100\%$

$RE = [(Mean-Nominal)/Nominal] \times 100\%$

Table 4: Calibration Curve Statistics for the Determination of PFOS in Rat Serum for Study #FACT-TOX-111

Run No.	Quadratic Coefficient (A)	Linear Coefficient (B)	Intercept (C)	Coefficient of Determination (r^2)
1	-0.0004154	0.1025	-0.0006090	0.9977
2	-0.0005419	0.1001	-0.0004172	0.9959
3	-0.0006070	0.1046	-0.0001313	0.9968
4	-0.0002665	0.1036	-0.0004533	0.9966
Mean	-0.0004577	0.1027	-0.0004027	0.9968

$$y = Ax^2 + Bx + C, \text{ weighted } 1/y^2$$



Table 5: Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 0 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)							
	Rat Number*							
	13726	13726P	13727	13727P	13728	13728P	13731	13734
0	0.215	NS	0.121	NS	0.0930	NS	0.0842	0.118
7	0.176	NS	0.0835	NS	0.0711	NS	0.0873	0.0644
14	0.0822	NS	0.0638	NS	0.0530	NS	NS	0.0594
15	0.168	NS	0.0932	NS	0.0605	NS	0.0610	0.0665
21	0.0849	0.0712	0.0587	<LLQ[0.0452]<(0.05)	<LLQ[0.0385]<(0.05)	<LLQ[0.0343]<(0.05)	NS	<LLQ[0.0390]<(0.05)
22	0.0597	NS	0.0517	NS	<LLQ[0.0431]<(0.05)	NS	NS	<LLQ[0.0446]<(0.05)

*Rat Number with a "P" indicates pup sample.

<LLQ = Less than the Lower Limit of Quantitation (0.05 µg/mL).

NS: No sample.

Table 5: (Continued) Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 0 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)						
	Rat Number*						
	13734P	13735	13735P	13736	13736P	13737	13737P
0	NS	0.0947	NS	0.113	NS	0.0877	NS
7	NS	0.0700	NS	0.108	NS	0.0767	NS
14	NS	<LLQ[0.0492]<(0.05)	NS	<LLQ[0.0474]<(0.05)	NS	0.0553	NS
15	NS	0.0574	NS	0.0693	NS	0.111	NS
21	<LLQ[0.0409]<(0.05)	<LLQ[0.0418]<(0.05)	<LLQ[0.0401]<(0.05)	<LLQ[0.0491]<(0.05)	<LLQ[0.0409]<(0.05)	0.0531	0.0518
22	NS	<LLQ[0.0370]<(0.05)	NS	0.0592	NS	0.0570	NS

*Rat Number with a "P" indicates pup sample.

<LLQ = Less than the Lower Limit of Quantitation (0.05 µg/mL).

NS: No sample.

Table 6: Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 0.1 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)											
	Rat Number*											
	13739	13739P	13740	13740P	13741	13741P	13744	13744P	13745	13745P	13746	13746P
0	9.78	NS	12.1	NS	11.6	NS	9.88	NS	9.88	NS	11.1	NS
7	9.50	NS	7.85	NS	7.59	NS	9.18	NS	7.40	NS	8.49	NS
14	1.82	NS	1.99	NS	1.51	NS	1.96	NS	2.55	NS	2.03	NS
15	5.88	NS	7.83	NS	6.67	NS	6.04	NS	5.80	NS	6.65	NS
21	1.81	2.34	4.00	2.12	2.69	1.88	3.04	2.29	2.34	1.88	2.84	2.37
22	1.33	NS	1.47	NS	1.19	NS	0.882	NS	1.09	NS	0.945	NS

*Rat Number with a "P" indicates pup sample.

NS: No sample.

Table 6: (Continued) Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 0.1 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)			
	Rat Number*			
	13748	13748P	13749	13749P
0	10.2	NS	10.7	NS
7	NS	NS	8.61	NS
14	1.35	NS	1.87	NS
15	5.36	NS	8.40	NS
21	3.94	1.74	3.27	2.07
22	0.942	NS	1.22	NS

*Rat Number with a "P" indicates pup sample.

NS: No sample.

Table 7: Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 1.6 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)											
	Rat Number*											
	13751	13751P	13752	13752P	13753	13753P	13754	13754P	13755	13756	13756P	13758
0	155	NS	164	NS	213	NS	198	NS	191	188	NS	188
7	149	NS	169	NS	157	NS	152	NS	138	158	NS	143
14	21.2	NS	24.1	NS	21.6	NS	21.2	NS	NS	31.0	NS	27.7
15	95.6	NS	109	NS	112	NS	103	NS	125	108	NS	86.9
21	38.5	35.0	34.8	33.9	32.6	28.3	37.1	23.4	112	40.4	47.4	37.0
22	17.1	NS	19.5	NS	18.2	NS	9.48	NS	NS	19.9	NS	14.3

*Rat Number with a "P" indicates pup sample.

NS: No sample.

Table 7: (Continued) Concentrations of PFOS in Rat Serum Samples from Study #FACT-TOX-111 Following the 1.6 mg/kg Dose

Sampling Time (day)	PFOS Concentration (µg/mL)		
	Rat Number*		
	13758P	13759	13759P
0	NS	198	NS
7	NS	133	NS
14	NS	20.4	NS
15	NS	99.4	NS
21	25.6	33.0	26.3
22	NS	15.4	NS

*Rat Number with a "P" indicates pup sample.

NS: No sample.

Table 8: Repeat Analysis of Rat Serum Samples from Study #FACT-TOX-111

Rat Number	Treatment	Time	Original Conc. µg/ml	Original Curve Number	Reason for Reassay	Reassay Conc. µg/ml	Reassay Curve Number	Reported Conc. µg/ml	Reason for Reported Conc.
13753	3	Day 0	>ULQ-222.9138>(200)	3	1	213	4	213	1

>ULQ: Greater than the Upper Limit of Quantitation.

REASONS FOR REASSAY:

1). Run 3 concentration exceeded calibration range.

REASONS FOR REPORTED CONC:

1). Run 4 concentration within calibration range.