STUDY NO. 03-6141

LIQUIFIED PETROLEUM GAS:

A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN THE RATS WITH NEUROTOXICITY ASSESSMENTS AND *IN VIVO* GENOTOXICITY ASSESSMENTS

Final Report

Volume II of IV

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Date: 23 April 2010

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Cumulative Exposure Record
Group 1 - 0 ppm (Air Control)

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment	
				Mean	Individual				MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)				(µm)		(mg/m^3)	(°C)	(%)
0	20-Apr-05	1	0	0.00	0.00	0.00	0.00	0.00				25	44
1	21-Apr-05	2	0	0.00	0.00	0.00	0.00	0.00	2.737	1.813	9.61E-03	25	45
2	22-Apr-05	3	0	0.00	0.00	0.00	0.00	0.00				24	45
5	25-Apr-05	4	0	0.00	0.00	0.00	0.00	0.00				25	45
6	26-Apr-05	5	0	0.00	0.00	0.00	0.00	0.00				24	46
7	27-Apr-05	6	0	0.00	0.00	0.00	0.00	0.00				24	49
8	28-Apr-05	7	0	0.00	0.00	0.00	0.00	0.00	2.475	1.894	5.23E-03	24	46
9	29-Apr-05	8	0	0.00	0.00	0.00	0.00	0.00				24	48
11	1-May-05	9	0	0.00	0.00	0.00	0.00	0.00				24	46
12	2-May-05	10	0	0.00	0.00	0.00	0.00	0.00				24	48
13	3-May-05	11	0	0.00	0.00	0.00	0.00	0.00				24	46
14	4-May-05	12	0	0.00	0.00	0.00	0.00	0.00				25	48
15	5-May-05	13	0	0.00	0.00	0.00	0.00	0.00	1.110	1.897	2.72E-03	24	46
16	6-May-05	14	0	0.00	0.00	0.00	0.00	0.00				24	46
19	9-May-05	15	0	0.00	0.00	0.00	0.00	0.00				25	45
20	10-May-05	16	0	0.00	0.00	0.00	0.00	0.00				25	46
21	11-May-05	17	0	0.00	0.00	0.00	0.00	0.00				24	47

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 1 - 0 ppm (Air Control)

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment Mean	
				Mean	Individual				MMAD	GSD	TMC	Temperature	Humidity
			(ppm)	(ppm)	(ppm)				(µm)		(mg/m^3)	(°C)	(%)
22	12-May-05	18	0	0.00	0.00	0.00	0.00	0.00	16.92	2.425	9.79E-03	24	44
23	13-May-05	19	0	0.00	0.00	0.00	0.00	0.00				24	46
25	15-May-05	20	0	0.00	0.00	0.00	0.00	0.00				23	51
26	16-May-05	21	0	0.00	0.00	0.00	0.00	0.00				24	45
27	17-May-05	22	0	0.00	0.00	0.00	0.00	0.00				25	46
28	18-May-05	23	0	0.00	0.00	0.00	0.00	0.00				25	46
29	19-May-05	24	0	0.00	0.00	0.00	0.00	0.00	8.792	2.531	6.67E-03	25	47
30	20-May-05	25	0	0.00	0.00	0.00	0.00	0.00				24	44
33	23-May-05	26	0	0.00	0.00	0.00	0.00	0.00				25	44
34	24-May-05	27	0	0.00	0.00	0.00	0.00	0.00				24	44
35	25-May-05	28	0	0.00	0.00	0.00	0.00	0.00				24	45
36	26-May-05	29	0	0.00	0.00	0.00	0.00	0.00	3.862	2.054	3.43E-03	24	45
37	27-May-05	30	0	0.00	0.00	0.00	0.00	0.00				25	46
38	28-May-05	31	0	0.00	0.00	0.00	0.00	0.00				25	47
41	31-May-05	32	0	0.00	0.00	0.00	0.00	0.00				25	45
42	1-Jun-05	33	0	0.00	0.00	0.00	0.00	0.00				25	47

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 1 - 0 ppm (Air Control)

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment	
				Mean	Individual				MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)				(µm)		(mg/m^3)	(°C)	(%)
43	2-Jun-05	34	0	0.00	0.00	0.00	0.00	0.00	0.7381	1.964	7.67 E-03	25	48
44	3-Jun-05	35	0	0.00	0.00	0.00	0.00	0.00				24	52
47	6-Jun-05	36	0	0.00	0.00	0.00	0.00	0.00				25	48
48	7-Jun-05	37	0	0.00	0.00	0.00	0.00	0.00				24	49
49	8-Jun-05	38	0	0.00	0.00	0.00	0.00	0.00				24	50
50	9-Jun-05	39	0	0.00	0.00	0.00	0.00	0.00	0.7998	2.028	1.86E-02	24	49
51	10-Jun-05	40	0	0.00	0.00	0.00	0.00	0.00				24	49
53	12-Jun-05	41	0	0.00	0.00	0.00	0.00	0.00				23	50
54	13-Jun-05	42	0	0.00	0.00	0.00	0.00	0.00				24	50
55	14-Jun-05	43	0	0.00	0.00	0.00	0.00	0.00				24	50
56	15-Jun-05	44	0	0.00	0.00	0.00	0.00	0.00				24	51
57	16-Jun-05	45	0	0.00	0.00	0.00	0.00	0.00	0.9390	2.126	6.45E-03	24	52
58	17-Jun-05	46	0	0.00	0.00	0.00	0.00	0.00				25	46
61	20-Jun-05	47	0	0.00	0.00	0.00	0.00	0.00				24	49
62	21-Jun-05	48	0	0.00	0.00	0.00	0.00	0.00				24	53
63	22-Jun-05	49	0	0.00	0.00	0.00	0.00	0.00				24	53

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 1 - 0 ppm (Air Control)

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment	
				Mean	Individual							Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)				MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
64	23-Jun-05	50	0	0.00	0.00	0.00	0.00	0.00	7.491	2.229	4.97E-03	25	46
65	24-Jun-05	51	0	0.00	0.00	0.00	0.00	0.00				24	52
68	27-Jun-05	52	0	0.00	0.00	0.00	0.00	0.00				24	47
69	28-Jun-05	53	0	0.00	0.00	0.00	0.00	0.00				24	51
70	29-Jun-05	54	0	0.00	0.00	0.00	0.00	0.00				25	50
71	30-Jun-05	55	0	0.00	0.00	0.00	0.00	0.00	2.027	2.964	9.97E-03	24	50
72	1-Jul-05	56	0	0.00	0.00	0.00	0.00	0.00				24	51
73	2-Jul-05	57	0	0.00	0.00	0.00	0.00	0.00				24	51
76	5-Jul-05	58	0	0.00	0.00	0.00	0.00	0.00				24	49
77	6-Jul-05	59	0	0.00	0.00	0.00	0.00	0.00				24	49
78	7-Jul-05	60	0	0.00	0.00	0.00	0.00	0.00	1.149	2.496	3.78E-03	24	51
79	8-Jul-05	61	0	0.00	0.00	0.00	0.00	0.00				24	51
82	11-Jul-05	62	0	0.00	0.00	0.00	0.00	0.00				24	49
83	12-Jul-05	63	0	0.00	0.00	0.00	0.00	0.00				24	51
84	13-Jul-05	64	0	0.00	0.00	0.00	0.00	0.00				24	49
85	14-Jul-05	65	0	0.00	0.00	0.00	0.00	0.00	0.9421	1.834	3.04E-03	24	50

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Cumulative Exposure Record
Group 1 - 0 ppm (Air Control)

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment Mean	
				Mean	Individual				MMAD	GSD	TMC	Temperature	Humidity
			(ppm)	(ppm)	(ppm)				(µm)		(mg/m^3)	(°C)	(%)
86	15-Jul-05	66	0	0.00	0.00	0.00	0.00	0.00				24	50
88	17-Jul-05	67	0	0.00	0.00	0.00	0.00	0.00				24	49
89	18-Jul-05	68	0	0.00	0.00	0.00	0.00	0.00				24	51
90	19-Jul-05	69	0	0.00	0.00	0.00	0.00	0.00				25	55
91	20-Jul-05	70	0	0.00	0.00	0.00	0.00	0.00				23	51
92	21-Jul-05	71	0	0.00	0.00	0.00	0.00	0.00	2.377	2.228	2.27E-03	23	55
93	22-Jul-05	72	0	0.00	0.00	0.00	0.00	0.00				22	52
96	25-Jul-05	69	0	0.00	0.00	0.00	0.00	0.00				23	50
97	26-Jul-05	70	0	0.00	0.00	0.00	0.00	0.00				22	52
		Mean	**0**		**0.00**				**3.740**	**2.177**	**6.73E-03**	**24**	**48**
		S.D.	**0**		**0.00**				**4.538**	**0.329**	**4.34E-03**	**1**	**3**

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 2 - 1000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m^3)	(°C)	(%)
0	20-Apr-05	1	1100	1100	1200	1100	1000	1000					24	46
1	21-Apr-05	2	1100	1000	1000	1000	980	1000		3.299	2.306	1.87E-02	24	45
2	22-Apr-05	3	1100	990	1000	1000	970	1000					24	45
5	25-Apr-05	4	1100	1000	1000	1000	1000	1000					24	46
6	26-Apr-05	5	1100	1100	1000	1000	1100	1100					24	47
7	27-Apr-05	6	1100	1000	1000	1000	1000	1000					24	50
8	28-Apr-05	7	1000	980	1100	1100	910	800		2.463	1.866	4.57E-03	23	47
9	29-Apr-05	8	1000	970	920	950	1000	1000					23	48
11	1-May-05	9	1100	1000	1000	990	1000	1000					23	47
12	2-May-05	10	1100	1000	1000	1000	1000	1000					24	48
13	3-May-05	11	1200	1000	1100	1000	1000	990					24	47
14	4-May-05	12	1100	1000	1000	1000	1100	1000					24	48
15	5-May-05	13	2300[b]	1000	1000	990	990	1000		2.360	2.332	4.35E-03	24	48
16	6-May-05	14	1100	1000	1000	1000	1100	1000					24	47
19	9-May-05	15	1100	1000	990	1000	1000	1000					24	46
20	10-May-05	16	1000	980	1000	930	1000	980					25	48
21	11-May-05	17	1000	1000	1000	1000	1000	1000					24	48

[b]High Nominal due to a leak at N2 adapter (not included in mean or sd)

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 2 - 1000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m³)	(°C)	(%)
22	12-May-05	18	1100	1000	930	1000	1000	1100		9.882	2.576	7.53E-03	24	45
23	13-May-05	19	1100	1000	1000	950	1000	1100					23	47
25	15-May-05	20	1100	1100	1200	1000	1000	1000					23	51
26	16-May-05	21	970	1000	930	1100	1100	980					24	45
27	17-May-05	22	950	940	800	940	910	1100					24	46
28	18-May-05	23	1100	1100	1100	1100	1100	1100					24	47
29	19-May-05	24	1000	990	1100	1100	1100	650		3.249	2.180	3.99E-03	24	47
30	20-May-05	25	1100	1100	950	1100	1100	1100					24	45
33	23-May-05	26	1000	1000	1000	1000	1000	1000					24	46
34	24-May-05	27	1100	1000	1000	1000	1000	1000					24	45
35	25-May-05	28	1200	1100	1100	1100	1000	1000					24	46
36	26-May-05	29	1100	1000	1000	1000	1000	1000		3.001	1.841	3.05E-03	24	47
37	27-May-05	30	1200	1000	1000	1000	1000	1000					24	47
38	28-May-05	31	1100	1000	1000	1100	1000	1000					24	48
41	31-May-05	32	1100	1200	1200	1100	1200	1100					24	47
42	1-Jun-05	33	1100	1100	1100	1000	1000	1100					24	48

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 2 - 1000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration					Particle Size Determinations			Chamber Environment	
				Mean	Individual				MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)				(µm)		(mg/m^3)	(°C)	(%)
43	2-Jun-05	34	1100	1000	1100	990	1100	1000	0.9804	2.074	9.05E-03	25	49
44	3-Jun-05	35	1100	1000	1000	1000	1000	1000				24	54
47	6-Jun-05	36	1100	9900	970	1000	1000	1000				24	50
48	7-Jun-05	37	1100	1000	1000	1000	1000	1000				24	50
49	8-Jun-05	38	1100	990	960	1000	1000	1000				23	50
50	9-Jun-05	39	1100	1000	1000	1000	1000	1000	0.8063	2.067	1.58E-02	23	50
51	10-Jun-05	40	1100	1000	1000	1000	1100	1000				24	50
53	12-Jun-05	41	1100	1100	1000	1100	1100	1000				23	51
54	13-Jun-05	42	1100	1000	1000	1000	1000	1000				24	50
55	14-Jun-05	43	1100	1100	1100	1100	1100	1100				24	50
56	15-Jun-05	44	1100	1000	1000	1000	1100	1000				24	51
57	16-Jun-05	45	1100	1100	1000	1100	1100	1000	2.655	2.584	1.11E-02	24	52
58	17-Jun-05	46	1100	1000	1000	1000	1000	1000				24	48
61	20-Jun-05	47	1100	1000	1100	1100	1100	980				24	50
62	21-Jun-05	48	1100	1100	1000	1000	1000	1000				24	54
63	22-Jun-05	49	1100	1000	1000	1000	1000	1000				24	54

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 2 - 1000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m^3)	(°C)	(%)
64	23-Jun-05	50	1000	1000	1000	1000	1000	1000		1.803	1.805	1.60E-03	24	46
65	24-Jun-05	51	1100	1000	1000	1000	1000	1000					24	53
68	27-Jun-05	52	1100	1000	1000	1000	1000	1000					24	50
69	28-Jun-05	53	1100	1000	1000	1000	1000	1100					24	51
70	29-Jun-05	54	1100	1000	1000	1000	1000	1000					24	52
71	30-Jun-05	55	1200	1000	1000	1000	1000	1000		0.8802	2.391	8.04E-03	24	52
72	1-Jul-05	56	1200	1000	1000	1000	1000	1000					24	52
73	2-Jul-05	57	1100	1000	1000	1100	1000	1000					24	53
76	5-Jul-05	58	1100	1100	1100	1100	1000	1000					24	50
77	6-Jul-05	59	1400	1000	1100	1000	1000	1000					24	50
78	7-Jul-05	60	1200	1000	1000	1000	1000	1000		4.214	3.106	8.04E-03	24	52
79	8-Jul-05	61	1100	1100	1100	1000	1100	1100					24	52
82	11-Jul-05	62	1100	980	920	1000	1000	1000					24	51
83	12-Jul-05	63	1100	1000	1000	1000	1000	1000					24	52
84	13-Jul-05	64	1100	1000	1000	1000	1000	1000					23	51
85	14-Jul-05	65	1300[b]	1000	1000	1000	1100	1000		1.031	2.125	3.72E-03	23	52

[b]High Nominal due to small leak with the quick-connect (not included in mean or sd)

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 2 - 1000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
86	15-Jul-05	66	1100	1100	1000	1100	1100	1100					24	52
88	17-Jul-05	67	1100	1100	1000	1100	1100	1000					23	51
89	18-Jul-05	68	1100	1000	1100	1000	1000	1000					24	54
90	19-Jul-05	69	1000	1000	1000	1000	1000	1000					24	56
91	20-Jul-05	70	1100	1100	1000	1000	1100	1100					23	53
92	21-Jul-05	71	1100	1100	1000	1000	1100	1100		2.361	2.138	2.83E-03	22	56
93	22-Jul-05	72	1100	1000	950	1000	1100	1100					22	52
96	25-Jul-05	69	1100	1000	1000	1000	1000	1000					22	51
97	26-Jul-05	70	1100	1000	1000	1000	1000	1000					22	52
		Mean	**1098**		**1019**					**2.785**	**2.242**	**7.31E-03**	**24**	**49**
		S.D.	**62**		**58**					**2.291**	**0.350**	**5.05E-03**	**1**	**3**

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 3 - 5000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m^3)	(°C)	(%)
0	20-Apr-05	1	5300	5300	5500	5300	5300	5100					25	44
1	21-Apr-05	2	5100	5100	5300	5100	5000	5000		2.873	2.368	1.92E-02	25	44
2	22-Apr-05	3	5200	5100	5100	5200	5000	5000					25	44
5	25-Apr-05	4	5100	5100	5200	5100	5100	5000					25	44
6	26-Apr-05	5	5000	5000	5100	5100	4900	4900					25	46
7	27-Apr-05	6	5200	5100	5100	5000	5100	5100					25	49
8	28-Apr-05	7	5000	5000	5000	5000	5000	5000		2.724	1.785	7.95E-03	25	45
9	29-Apr-05	8	5000	5100	5000	5200	5200	5100					24	47
11	1-May-05	9	5100	5100	5200	5200	5100	5000					24	46
12	2-May-05	10	5000	5100	5200	5200	5100	5000					24	47
13	3-May-05	11	5100	4600	4400	4500	4800	4600					25	46
14	4-May-05	12	5200	5200	5300	5300	5000	5000					25	46
15	5-May-05	13	5200	5100	5200	5000	5000	5000		2.627	2.185	5.39E-03	25	47
16	6-May-05	14	5300	5200	5000	5200	5300	5100					25	44
19	9-May-05	15	5100	5100	5000	5100	5100	5000					25	45
20	10-May-05	16	5200	4900	4500	5100	5000	5100					26	46
21	11-May-05	17	5100	5100	5200	5200	5000	5100					25	46

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 3 - 5000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
22	12-May-05	18	5200	5000	5000	5000	4900	5200		2.785	2.040	2.47E-03	25	43
23	13-May-05	19	5200	5100	5100	5100	5100	5200					25	46
25	15-May-05	20	5100	5000	5000	5000	4900	5100					25	49
26	16-May-05	21	5200	5100	5100	5000	5100	5200					25	43
27	17-May-05	22	5100	5200	5300	5100	5100	5100					25	46
28	18-May-05	23	5300	5300	5400	5400	5200	5200					26	44
29	19-May-05	24	5100	5000	4700	5100	5000	5000		3.239	2.151	5.24E-03	25	45
30	20-May-05	25	5000	5000	5000	5000	4900	4900					25	43
33	23-May-05	26	5200	5200	5100	5200	5200	5300					25	43
34	24-May-05	27	5100	5100	5100	5100	5000	5100					25	43
35	25-May-05	28	5200	4600	4300	4400	4500	5200					25	43
36	26-May-05	29	4900	5100	5200	5000	5000	5000		4.297	2.045	3.13E-03	25	45
37	27-May-05	30	5200	4900	5200	4600	4900	4800					25	46
38	28-May-05	31	5100	4900	4900	4700	4900	5200					25	46
41	31-May-05	32	5400	5100	5100	5100	5000	5300					26	44
42	1-Jun-05	33	5200	4900	4900	4700	5000	5000					25	47

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 3 - 5000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
43	2-Jun-05	34	5300	4900	4800	5000	4700	5200		1.305	2.233	9.06E-03	26	47
44	3-Jun-05	35	5000	5100	4900	5300	5000	5000					25	51
47	6-Jun-05	36	5200	5100	5200	5000	5000	5000					25	48
48	7-Jun-05	37	5100	5000	5000	5000	5000	5000					25	48
49	8-Jun-05	38	5300	4900	4800	5000	4900	4900					25	48
50	9-Jun-05	39	5400	4900	4800	4800	5000	5000		0.8479	2.311	1.71E-02	25	47
51	10-Jun-05	40	5100	5000	4500	5100	5200	5000					25	48
53	12-Jun-05	41	5100	4800	4500	5000	4900	4800					25	48
54	13-Jun-05	42	5200	5000	5000	5000	5000	5000					25	49
55	14-Jun-05	43	5200	4900	4800	4900	4900	5000					25	48
56	15-Jun-05	44	5200	4900	4900	4800	4900	4900					25	49
57	16-Jun-05	45	5100	4900	5000	4900	4800	4800		2.315	2.271	1.20E-02	25	50
58	17-Jun-05	46	5100	4900	4700	5000	4900	4800					26	45
61	20-Jun-05	47	5200	5000	4600	5500	5000	5000					25	50
62	21-Jun-05	48	5200	5100	5200	4900	5100	5000					25	51
63	22-Jun-05	49	5100	5200	5200	5100	5200	5100					25	51

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 3 - 5000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
64	23-Jun-05	50	5100	5000	5000	5000	5000	5000		2.856	1.980	2.39E-03	25	44
65	24-Jun-05	51	5000	5000	5000	5000	5000	5000					25	50
68	27-Jun-05	52	5000	5000	5200	4900	4900	4800					25	46
69	28-Jun-05	53	5200	5100	5000	5100	5000	5100					25	49
70	29-Jun-05	54	5000	5000	5000	5100	5000	5000					25	50
71	30-Jun-05	55	5300	5100	5000	5000	5200	5200		2.945	2.611	1.27E-02	25	50
72	1-Jul-05	56	5100	5100	5200	5200	4900	4900					25	49
73	2-Jul-05	57	5100	5000	5000	5000	5000	5000					25	50
76	5-Jul-05	58	5100	5100	5100	5100	5000	5000					25	48
77	6-Jul-05	59	5100	5000	4900	4900	5000	5000					25	48
78	7-Jul-05	60	5100	4900	5000	4900	4800	4700		4.187	2.584	6.85E-03	25	50
79	8-Jul-05	61	5200	5100	5300	5000	5000	5000					25	50
82	11-Jul-05	62	5100	5100	5000	5100	5100	5000					25	48
83	12-Jul-05	63	5100	4900	4800	5000	4900	4900					25	49
84	13-Jul-05	64	5000	4900	4800	4900	5000	4900					25	49
85	14-Jul-05	65	5200	5000	4900	5000	5000	5000		1.033	2.041	3.34E-03	25	50

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 3 - 5000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual								Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					MMAD (µm)	GSD	TMC (mg/m³)	(°C)	(%)
86	15-Jul-05	66	5100	5200	5300	5400	5000	5000					25	49
88	17-Jul-05	67	5200	5000	5100	5200	4700	4800					25	49
89	18-Jul-05	68	5300	4800	4600	4700	4900	5000					25	52
90	19-Jul-05	69	5000	5000	5000	5000	5000	5100					25	55
91	20-Jul-05	70	5100	5000	5000	5000	5000	4900					24	50
92	21-Jul-05	71	5100	5100	5000	5200	5000	5000		2.098	2.309	2.65E-03	23	53
93	22-Jul-05	72	5100	5100	5100	5000	5200	5200					23	50
96	25-Jul-05	69	5200	5000	4900	5000	5100	5100					23	49
97	26-Jul-05	70	5200	5000	4900	4900	5000	5000					23	50
		Mean	**5142**		**5009**					**2.581**	**2.215**	**7.82E-03**	**25**	**47**
		S.D.	**99**		**174**					**1.025**	**0.230**	**5.54E-03**	**1**	**3**

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 4 - 10000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m^3)	(°C)	(%)
0	20-Apr-05	1	10000	10000	10000	10000	10000	11000					26	42
1	21-Apr-05	2	10000	10000	10000	10000	10000	10000		2.876	1.885	1.88E-02	25	42
2	22-Apr-05	3	10000	10000	10000	10000	9900	10000					25	41
5	25-Apr-05	4	10000	10000	10000	10000	9900	10000					25	42
6	26-Apr-05	5	10000	9900	9900	10000	9800	9900					25	44
7	27-Apr-05	6	10000	10000	10000	10000	11000	10000					24	47
8	28-Apr-05	7	10000	10000	10000	11000	10000	10000		2.963	1.877	7.70E-03	24	44
9	29-Apr-05	8	10000	10000	10000	10000	10000	10000					24	44
11	1-May-05	9	10000	10000	10000	9800	11000	9800					24	44
12	2-May-05	10	10000	10000	10000	10000	9900	10000					24	45
13	3-May-05	11	10000	9800	9900	9700	9900	9800					25	43
14	4-May-05	12	10000	10000	10000	10000	10000	10000					25	44
15	5-May-05	13	10000	10000	10000	10000	10000	10000		2.715	2.511	5.27E-03	25	44
16	6-May-05	14	10000	10000	10000	10000	10000	9900					25	42
19	9-May-05	15	10000	10000	10000	10000	10000	10000					25	42
20	10-May-05	16	10000	10000	10000	10000	10000	10000					25	44
21	11-May-05	17	10000	10000	10000	10000	10000	10000					25	45

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 4 - 10000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m³)	(°C)	(%)
22	12-May-05	18	10000	9900	10000	9800	10000	9700		2.190	1.908	1.95E-03	25	42
23	13-May-05	19	10000	10000	10000	10000	10000	10000					25	44
25	15-May-05	20	10000	11000	11000	11000	10000	10000					25	47
26	16-May-05	21	10000	10000	10000	10000	10000	10000					25	42
27	17-May-05	22	10000	10000	10000	10000	10000	10000					25	42
28	18-May-05	23	10000	10000	11000	10000	10000	10000					26	42
29	19-May-05	24	10000	10000	10000	10000	10000	10000		3.504	2.091	6.82E-03	25	44
30	20-May-05	25	9900	10000	10000	10000	10000	10000					25	42
33	23-May-05	26	10000	10000	11000	10000	9900	9900					25	41
34	24-May-05	27	10000	10000	9800	9800	10000	11000					25	41
35	25-May-05	28	10000	10000	10000	10000	10000	10000					25	43
36	26-May-05	29	10000	11000	11000	11000	10000	10000		2.368	1.837	3.48E-03	25	43
37	27-May-05	30	10000	10000	10000	10000	9900	10000					25	43
38	28-May-05	31	10000	10000	10000	10000	10000	9900					25	44
41	31-May-05	32	10000	10000	10000	10000	10000	10000					26	42
42	1-Jun-05	33	10000	10000	9900	10000	10000	10000					25	44

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 4 - 10000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m³)	(°C)	(%)
43	2-Jun-05	34	10000	9900	9900	9900	9900	10000		1.290	1.995	9.59E-03	26	44
44	3-Jun-05	35	10000	10000	10000	10000	9900	10000					25	48
47	6-Jun-05	36	10000	10000	10000	10000	10000	10000					25	45
48	7-Jun-05	37	10000	10000	9900	10000	10000	10000					25	45
49	8-Jun-05	38	10000	9900	10000	10000	9600	10000					25	46
50	9-Jun-05	39	10000	9900	9800	9800	10000	9800		0.8968	2.378	1.78E-02	25	45
51	10-Jun-05	40	10000	10000	10000	11000	10000	10000					25	45
53	12-Jun-05	41	10000	10000	10000	10000	10000	10000					25	45
54	13-Jun-05	42	10000	10000	10000	10000	10000	10000					25	46
55	14-Jun-05	43	10000	10000	9900	10000	10000	10000					25	45
56	15-Jun-05	44	9900	10000	10000	10000	10000	10000					25	46
57	16-Jun-05	45	10000	10000	10000	10000	10000	10000		1.387	1.976	9.73E-03	25	46
58	17-Jun-05	46	10000	10000	10000	10000	10000	10000					26	43
61	20-Jun-05	47	10000	10000	11000	10000	10000	10000					25	46
62	21-Jun-05	48	10000	10000	11000	10000	10000	10000					25	47
63	22-Jun-05	49	10000	10000	10000	10000	10000	10000					25	47

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 4 - 10000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m^3)	(°C)	(%)
64	23-Jun-05	50	10000	10000	10000	10000	10000	10000		2.411	1.957	2.76E-03	26	41
65	24-Jun-05	51	10000	10000	10000	10000	10000	10000					25	47
68	27-Jun-05	52	10000	10000	10000	10000	10000	10000					26	44
69	28-Jun-05	53	10000	10000	10000	9900	9900	10000					25	46
70	29-Jun-05	54	10000	9800	9300	10000	10000	10000					25	45
71	30-Jun-05	55	10000	10000	10000	10000	10000	10000		0.8359	1.927	7.25E-03	25	46
72	1-Jul-05	56	10000	10000	10000	10000	10000	10000					25	46
73	2-Jul-05	57	10000	10000	10000	10000	10000	9900					25	45
76	5-Jul-05	58	10000	10000	10000	10000	10000	10000					25	46
77	6-Jul-05	59	10000	10000	10000	10000	10000	10000					25	45
78	7-Jul-05	60	10000	10000	9900	10000	10000	9900		1.584	2.105	5.35E-03	25	47
79	8-Jul-05	61	10000	9900	9800	9800	9900	10000					25	46
82	11-Jul-05	62	10000	10000	10000	10000	10000	10000					25	45
83	12-Jul-05	63	10000	10000	10000	10000	10000	10000					25	46
84	13-Jul-05	64	10000	10000	10000	10000	10000	10000					25	45
85	14-Jul-05	65	10000	9900	10000	9700	10000	10000		2.314	2.355	8.61E-03	25	45

	Chamber Monitoring Results	Appendix A

Cumulative Exposure Record
Group 4 - 10000 ppm

Day	Date	Exposure Number	Nominal	Analytical Chamber Concentration						Particle Size Determinations			Chamber Environment	
				Mean	Individual					MMAD	GSD	TMC	Mean Temperature	Humidity
			(ppm)	(ppm)	(ppm)					(µm)		(mg/m³)	(°C)	(%)
86	15-Jul-05	66	10000	10000	10000	9800	10000	10000					25	46
88	17-Jul-05	67	10000	9900	9800	9700	9900	10000					25	45
89	18-Jul-05	68	10000	10000	10000	10000	9900	9900					25	49
90	19-Jul-05	69	10000	9900	10000	9900	9700	9900					25	51
91	20-Jul-05	70	9800	10000	10000	9900	10000	10000					24	47
92	21-Jul-05	71	10000	9500	9400	9600	9500	9400		2.988	2.180	4.57E-03	23	50
93	22-Jul-05	72	10000	9400	9300	9300	9600	9500					23	47
96	25-Jul-05	69	10000	9700	8900	9900	10000	10000					23	47
97	26-Jul-05	70	10000	9700	9800	9600	9600	9800					23	47
		Mean	**9995**		**9996**					**2.166**	**2.070**	**7.83E-03**	**25**	**45**
		S.D.	**28**		**261**					**0.838**	**0.212**	**5.05E-03**	**1**	**2**

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 1 0 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 1 6	2 3 0	2 7 4	3 1 8	4 5 2	4 9 6	5 3 0	6 1 2	7 3 7	8 7 8
1311	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
1312	WITHIN NORMAL LIMITS		P	P	P	P							
	Terminal Sacrifice												P
	OCULAR: Chromodacryorrhea - Unilateral					P	P	P	P	P	P	P	P
	OCULAR: Lacrimation - Unilateral					2	2	2	2	2	2	2	2
	ORAL/BUCCAL: Incisors Maloccluded					P	P	P	P	P	P	P	P
1313	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
1314	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
	ORAL/BUCCAL: Nasal Discharge - Red											P	
1315	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
1316	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
1317	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice												P
1318	WITHIN NORMAL LIMITS		P	P					P	P	P	P	P
	Terminal Sacrifice												P
	DERMAL GENERAL: Alopecia - Extremities/Snout			2	2	2	2	2	2				
	ORAL/BUCCAL: Nasal Discharge - Red								P				

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 1 0 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 9	1 6	2 3	0 7	4 1	4 5	6 6	7 8	9 9	0 1	9 9	2 3	9 9	7 8
1319	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice														P
1320	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice														P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 2 1000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 1 2 2 3 4 4 5 6 6 7 8 9 9 9 9 9 9 9 1 6 3 0 7 4 1 8 5 2 9 6 3 0 1 2 3 7 8
2311	WITHIN NORMAL LIMITS		P P P P P P P P P P P P P P P
	Terminal Sacrifice		P
2312	WITHIN NORMAL LIMITS		P P P P P P P P P P P P P P
	Terminal Sacrifice		P
	ORAL/BUCCAL: Nasal Discharge - Red		P P
2313	WITHIN NORMAL LIMITS		P P P P
	Terminal Sacrifice		P
	DERMAL GENERAL: Alopecia - Extremities/Snout		2 2 2 2 3 3 3 3 3 3 3
2314	WITHIN NORMAL LIMITS		P P P P P P P P P P P P P P P
	Terminal Sacrifice		P
	ORAL/BUCCAL: Nasal Discharge - Red		P P
2315	WITHIN NORMAL LIMITS		P P P P P P P P P P P P P P P
	Terminal Sacrifice		P
2316	WITHIN NORMAL LIMITS		P P P P P P P P P P
	Terminal Sacrifice		P
	DERMAL GENERAL: Scab(s)		P P P P P P
2317	WITHIN NORMAL LIMITS		P P P P P P P P
	Terminal Sacrifice		P
	DERMAL GENERAL: Alopecia - Extremities/Snout		2 2 2 2 2 2 2
2318	WITHIN NORMAL LIMITS		P P P P P P
	Terminal Sacrifice		P
	OCULAR: Chromodacryorrhea - Unilateral		P P P P P P P
	OCULAR: Lacrimation - Unilateral		2 2 2 2 2 2 2
	OCULAR: Chromodacryorrhea - Bilateral		P P
	ORAL/BUCCAL: Incisors Maloccluded		P P P P P P P P P
	RESPIRATION: Rales - Dry		2 1

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 2 1000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 9	1 6	2 3	0 7	4 1	4 5	6 6	7 8	9 9	9 9	9 9	9 9	9 8
2319	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
2320	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
	ORAL/BUCCAL: Nasal Discharge - Red								P					

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 1 6	2 3 0	2 7	3 4	4 1	4 8	5 5	6 2	6 9	7 6	8 3	9 0	9 1	9 2	9 3	9 7	9 8
3311	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice															P				
3312	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice															P				
3313	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P						
	Terminal Sacrifice															P				
	ORAL/BUCCAL: Nasal Discharge - Red													P	P					
3314	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice															P				
3315	WITHIN NORMAL LIMITS		P	P							P	P	P	P	P					
	Terminal Sacrifice															P				
	DERMAL GENERAL: Alopecia - Extremities/Snout				2	2	2	2	2	2	2									
3316	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
3317	WITHIN NORMAL LIMITS		P	P	P		P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
	ORAL/BUCCAL: Nasal Discharge - Red					P														
3318	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
3319	WITHIN NORMAL LIMITS		P	P	P															
	Terminal Sacrifice																P			
	OCULAR: Chromodacryorrhea - Unilateral					P	P	P	P	P	P	P	P	P	P	P				
	OCULAR: Lacrimation - Unilateral						2	2	2	2	2	2	2	2	2	2				
	ORAL/BUCCAL: Incisors Maloccluded						P	P	P	P	P	P	P	P	P	P				

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 1 2 2 3 4 4 5 6 6 7 8 9 9 9 9 9 9 9 1 6 3 0 7 4 1 8 5 2 9 6 3 0 1 2 3 7 8
3320	WITHIN NORMAL LIMITS	P P P P P
	Terminal Sacrifice	P
	OCULAR: Chromodacryorrhea - Unilateral	P P P P P P P P P P
	ORAL/BUCCAL: Incisors Maloccluded	P P P P P P P P P P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 1	2 6	3 3	3 0	4 7	4 1	4 8	5 5	6 2	6 9	7 6	8 3	9 0	9 1	9 2	9 3	9 7	9 8
4311	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P		P	P	P	P	P				
	Terminal Sacrifice																P				
	OCULAR: Eye(s) - Closed/Partially Closed										P										
4312	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P				P					
	Terminal Sacrifice																P				
	ORAL/BUCCAL: Nasal Discharge - Red												P	P	P						
4313	WITHIN NORMAL LIMITS		P	P	P				P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P				
	DERMAL GENERAL: Alopecia - Extremities/Snout					2	2	2	2												
4314	WITHIN NORMAL LIMITS		P	P								P									
	Terminal Sacrifice																P				
	DERMAL GENERAL: Alopecia - Extremities/Snout				2	2	2	2	2	2	2	2									
	OCULAR: Chromodacryorrhea - Unilateral												P	P							
	ORAL/BUCCAL: Incisors Maloccluded												P	P	P	P					
4315	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P		P	P	P	P	P				
	Terminal Sacrifice																P				
	OCULAR: Eye(s) - Closed/Partially Closed										P										
4316	WITHIN NORMAL LIMITS		P	P	P	P							P	P	P	P					
	Terminal Sacrifice																	P			
	DERMAL GENERAL: Alopecia - Extremities/Snout						2	2	2	2	2	2	2								
	OCULAR: Eye(s) - Closed/Partially Closed										P										
4317	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P		P	P	P	P	P	P	P				
	Terminal Sacrifice																	P			
	ORAL/BUCCAL: Nasal Discharge - Red									P											

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 1 6	2 3 0	2 7 4	3 1 1	4 8 8	4 5 5	5 2 2	6 9 9	6 6 3	7 3 0	8 0 1	9 1 2	9 2 3	9 9 7	9 9 8
4318	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P			
	Terminal Sacrifice															P		
	OCULAR: Eye(s) - Closed/Partially Closed								P									
4319	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P		
	OCULAR: Eye(s) - Closed/Partially Closed								P									
	ORAL/BUCCAL: Nasal Discharge - Red												P	P				
4320	WITHIN NORMAL LIMITS		P	P	P	P	P	P		P	P	P	P	P	P			
	Terminal Sacrifice															P		
	ORAL/BUCCAL: Nasal Discharge - Red							P	P									

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 5 40 MG/KG [a]

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 6	2 3	2 3 0	4 7	4 1	5 1 8	6 5	6 2	7 9	8 6	9 3	9 0	9 1	9 2	9 3	9 7	9 8
5311	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
5312	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
5313	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
5314	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	Terminal Sacrifice																P			
5315	WITHIN NORMAL LIMITS		P	P	P	P	P													
	Terminal Sacrifice																P			
	OCULAR: Chromodacryorrhea - Unilateral							P	P	P	P	P	P	P	P	P				
	OCULAR: Lacrimation - Unilateral							2	2	2	2	2	2	2	2	2				
	ORAL/BUCCAL: Incisors Malocclued							P	P	P	P	P	P	P	P	P				

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 1 0 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 9	1 6	2 3	2 0	3 7	4 4	1 1	8 8	5 5	2 2	9 9	6 6	7 3	8 0	9 1	9 2	9 3	9 7	9 8
1811	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
1812	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
1813	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
1814	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
1815	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
1816	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
1817	WITHIN NORMAL LIMITS	P	P	P	P															
	Terminal Sacrifice																P			
	DERMAL GENERAL: Alopecia - Extremities/Snout				2	2	2	3	3	3	3	3	3	3	3					
1818	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
1819	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
1820	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND *IN VIVO GENOTOXICITY ASSESSMENTS*

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 2 1000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 6	2 3	2 7	3 4	4 1	4 8	5 5	6 2	6 9	7 6	8 3	9 0	9 1	9 2	9 3	9 7	9 8
2811	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
2812	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
2813	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
2814	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
2815	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice															P				
2816	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
2817	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
2818	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P											
	Terminal Sacrifice																P			
	OCULAR: Chromodacryorrhea - Unilateral								P											
	ORAL/BUCCAL: Incisors Maloccluded								P	P	P	P	P	P	P					
2819	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			
2820	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P					
	Terminal Sacrifice																P			

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 9	1 6	2 3 0	2 3 7	4 4 1	5 6 8	6 6 5	7 8 2	9 9 9	9 9 3	9 9 0	1 2 3	3 7 8
3811	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P			P	P
	Terminal Sacrifice													P
	ORAL/BUCCAL: Nasal Discharge - Red							P	P	P				
3812	WITHIN NORMAL LIMITS	P	P	P	P									
	Terminal Sacrifice													P
	DERMAL GENERAL: Alopecia - Extremities/Snout			2	2	2	2							
	DERMAL GENERAL: Alopecia - General			3	3	3	3	3	3	3	3	3	3	
	DERMAL GENERAL: Scab(s)			P	P	P								
3813	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
3814	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
3815	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
3816	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
3817	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
3818	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P
	OCULAR: Eye(s) - Closed/Partially Closed						P							
3819	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P
	Terminal Sacrifice													P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 1 2 2 3 4 4 5 6 6 7 8 9 9 9 9 9 9 9 1 6 3 0 7 4 1 8 5 2 9 6 3 0 1 2 3 7 8
3820	WITHIN NORMAL LIMITS		P P P P P P P P P P P P P P P
	Terminal Sacrifice		P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 9	1 1 6	2 3 0	2 3 7	3 4 1	4 4 8	5 5 2	6 6 9	7 8 6	9 3 3	9 0 0	9 1 1	9 2 2	9 3 3	9 7 7	9 8 8
4811	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P		P	P	P	P	P	
	Terminal Sacrifice															P	
	OCULAR: Eye(s) - Closed/Partially Closed							P									
	ORAL/BUCCAL: Nasal Discharge - Red							P									
4812	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P		P	P	P			
	Moribund Sacrifice										P						
	OCULAR: Eye(s) - Closed/Partially Closed							P									
	ORAL/BUCCAL: Nasal Discharge - Red							P									
	RESPIRATION: Labored Breathing										P						
4813	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice															P	
4814	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P		P	P	P	P	P	
	Terminal Sacrifice															P	
	OCULAR: Eye(s) - Closed/Partially Closed							P									
	ORAL/BUCCAL: Nasal Discharge - Red							P									
4815	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice															P	
4816	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P		P	P	P	P	P	
	Terminal Sacrifice																P
	OCULAR: Eye(s) - Closed/Partially Closed							P									
4817	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice																P
4818	WITHIN NORMAL LIMITS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Terminal Sacrifice																P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - - 1 2 2 3 4 4 5 6 6 7 8 9 9 9 9 9 9 9 1 6 3 0 7 4 1 8 5 2 9 6 3 0 1 2 3 7 8
4819	WITHIN NORMAL LIMITS	P P P P P P P P P P P
	Terminal Sacrifice	P
	OCULAR: Chromodacryorrhea - Unilateral	P P
	OCULAR: Lacrimation - Unilateral	2 2
	OCULAR: Eye(s) - Closed/Partially Closed	P
	ORAL/BUCCAL: Incisors Maloccluded	P P P
4820	WITHIN NORMAL LIMITS	P P P P P P P P P P P P P P P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 5 40 MG/KG [a]

ANIMAL#	OBSERVATIONS	DAY OF STUDY	- - 9	1 1 6	2 3 0	3 7	4 4 1	4 8	5 5 2	6 9	6 6 3	7 0	8 1	9 2	9 3	9 7	9 8
5811	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P		
	Terminal Sacrifice															P	
5812	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P		
	Terminal Sacrifice															P	
5813	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P		
	Terminal Sacrifice															P	
5814	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P		
	Terminal Sacrifice															P	
5815	WITHIN NORMAL LIMITS		P	P	P	P	P	P	P	P	P	P	P	P	P		
	Terminal Sacrifice															P	

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 1 0 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8		
1321	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
1322	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
1323	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
1324	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice			P
1325	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice			P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 2 1000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
2321	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2322	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2323	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2324	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2325	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8		
3321	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
3322	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
3323	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice		P	
3324	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice			P
3325	WITHIN NORMAL LIMITS	P		
	Terminal Sacrifice			P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

MALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
4321	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4322	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4323	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4324	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4325	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 1 0 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
1821	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
1822	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
1823	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
1824	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
1825	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 2 1000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
2821	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2822	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2823	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2824	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
2825	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 3 5000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
3821	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
3822	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
3823	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
3824	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
3825	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX B

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL CLINICAL OBSERVATIONS

FEMALES GROUP 4 10000 PPM

ANIMAL#	OBSERVATIONS	DAY OF STUDY - 9 9 9 7 8
4821	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4822	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4823	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4824	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P
4825	WITHIN NORMAL LIMITS	P
	Terminal Sacrifice	P

CODE: 1-SLIGHT 2-MODERATE 3-MARKED P-PRESENT

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 1 0 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
1311		NO VISIBLE LESIONS
1312		NO VISIBLE LESIONS
1313		NO VISIBLE LESIONS
1314		NO VISIBLE LESIONS
1315		NO VISIBLE LESIONS
1316		NO VISIBLE LESIONS
1317		NO VISIBLE LESIONS
1318		NO VISIBLE LESIONS
1319		NO VISIBLE LESIONS
1320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 2 1000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
2311		NO VISIBLE LESIONS
2312		NO VISIBLE LESIONS
2313		NO VISIBLE LESIONS
2314		NO VISIBLE LESIONS
2315		NO VISIBLE LESIONS
2316		NO VISIBLE LESIONS
2317		NO VISIBLE LESIONS
2318		NO VISIBLE LESIONS
2319		NO VISIBLE LESIONS
2320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 3 5000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
3311		NO VISIBLE LESIONS
3312		NO VISIBLE LESIONS
3313		NO VISIBLE LESIONS
3314		NO VISIBLE LESIONS
3315		NO VISIBLE LESIONS
3316		NO VISIBLE LESIONS
3317		NO VISIBLE LESIONS
3318		NO VISIBLE LESIONS
3319		NO VISIBLE LESIONS
3320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 4 10000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
4311		NO VISIBLE LESIONS
4312		NO VISIBLE LESIONS
4313		NO VISIBLE LESIONS
4314		NO VISIBLE LESIONS
4315		NO VISIBLE LESIONS
4316		NO VISIBLE LESIONS
4317		NO VISIBLE LESIONS
4318		NO VISIBLE LESIONS
4319		NO VISIBLE LESIONS
4320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 5 40 MG/KG [a] DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
5311		NO VISIBLE LESIONS
5312		NO VISIBLE LESIONS
5313		NO VISIBLE LESIONS
5314		NO VISIBLE LESIONS
5315		NO VISIBLE LESIONS

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 1 0 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
1811		NO VISIBLE LESIONS
1812		NO VISIBLE LESIONS
1813		NO VISIBLE LESIONS
1814		NO VISIBLE LESIONS
1815		NO VISIBLE LESIONS
1816		NO VISIBLE LESIONS
1817		NO VISIBLE LESIONS
1818		NO VISIBLE LESIONS
1819		NO VISIBLE LESIONS
1820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 2 1000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
2811		NO VISIBLE LESIONS
2812		NO VISIBLE LESIONS
2813		NO VISIBLE LESIONS
2814		NO VISIBLE LESIONS
2815		NO VISIBLE LESIONS
2816		NO VISIBLE LESIONS
2817		NO VISIBLE LESIONS
2818		NO VISIBLE LESIONS
2819		NO VISIBLE LESIONS
2820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 3 5000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
3811		NO VISIBLE LESIONS
3812		NO VISIBLE LESIONS
3813		NO VISIBLE LESIONS
3814		NO VISIBLE LESIONS
3815		NO VISIBLE LESIONS
3816		NO VISIBLE LESIONS
3817		NO VISIBLE LESIONS
3818		NO VISIBLE LESIONS
3819		NO VISIBLE LESIONS
3820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 4 10000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
4811		NO VISIBLE LESIONS
4812		NO VISIBLE LESIONS
4813		NO VISIBLE LESIONS
4814		NO VISIBLE LESIONS
4815		NO VISIBLE LESIONS
4816		NO VISIBLE LESIONS
4817		NO VISIBLE LESIONS
4818		NO VISIBLE LESIONS
4819		NO VISIBLE LESIONS
4820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 5 40 MG/KG [a] DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
5811		NO VISIBLE LESIONS
5812		NO VISIBLE LESIONS
5813		NO VISIBLE LESIONS
5814		NO VISIBLE LESIONS
5815		NO VISIBLE LESIONS

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 1 0 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
1311		NO VISIBLE LESIONS
1312	CORNEA	CORNEAL SCAR; RIGHT
	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT
1313		NO VISIBLE LESIONS
1314		NO VISIBLE LESIONS
1315		NO VISIBLE LESIONS
1316		NO VISIBLE LESIONS
1317		NO VISIBLE LESIONS
1318		NO VISIBLE LESIONS
1319		NO VISIBLE LESIONS
1320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 2 1000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
2311		NO VISIBLE LESIONS
2312		NO VISIBLE LESIONS
2313		NO VISIBLE LESIONS
2314		NO VISIBLE LESIONS
2315		NO VISIBLE LESIONS
2316		NO VISIBLE LESIONS
2317		NO VISIBLE LESIONS
2318	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT
2319		NO VISIBLE LESIONS
2320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 3 5000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
3311		NO VISIBLE LESIONS
3312		NO VISIBLE LESIONS
3313		NO VISIBLE LESIONS
3314		NO VISIBLE LESIONS
3315		NO VISIBLE LESIONS
3316		NO VISIBLE LESIONS
3317		NO VISIBLE LESIONS
3318		NO VISIBLE LESIONS
3319	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT
3320	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 4 10000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
4311		NO VISIBLE LESIONS
4312		NO VISIBLE LESIONS
4313		NO VISIBLE LESIONS
4314		NO VISIBLE LESIONS
4315		NO VISIBLE LESIONS
4316		NO VISIBLE LESIONS
4317		NO VISIBLE LESIONS
4318		NO VISIBLE LESIONS
4319		NO VISIBLE LESIONS
4320		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 5 40 MG/KG [a] DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
5311		NO VISIBLE LESIONS
5312		NO VISIBLE LESIONS
5313		NO VISIBLE LESIONS
5314		NO VISIBLE LESIONS
5315	CONJUNCTIVA	CONJUNCTIVITIS; LEFT

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 1 0 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
1811		NO VISIBLE LESIONS
1812		NO VISIBLE LESIONS
1813		NO VISIBLE LESIONS
1814		NO VISIBLE LESIONS
1815		NO VISIBLE LESIONS
1816		NO VISIBLE LESIONS
1817		NO VISIBLE LESIONS
1818		NO VISIBLE LESIONS
1819		NO VISIBLE LESIONS
1820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 2 1000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
2811		NO VISIBLE LESIONS
2812		NO VISIBLE LESIONS
2813		NO VISIBLE LESIONS
2814		NO VISIBLE LESIONS
2815		NO VISIBLE LESIONS
2816		NO VISIBLE LESIONS
2817		NO VISIBLE LESIONS
2818		NO VISIBLE LESIONS
2819		NO VISIBLE LESIONS
2820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 3 5000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
3811		NO VISIBLE LESIONS
3812		NO VISIBLE LESIONS
3813		NO VISIBLE LESIONS
3814		NO VISIBLE LESIONS
3815		NO VISIBLE LESIONS
3816		NO VISIBLE LESIONS
3817		NO VISIBLE LESIONS
3818		NO VISIBLE LESIONS
3819		NO VISIBLE LESIONS
3820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 4 10000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
4811		NO VISIBLE LESIONS
4813		NO VISIBLE LESIONS
4814		NO VISIBLE LESIONS
4815		NO VISIBLE LESIONS
4816		NO VISIBLE LESIONS
4817		NO VISIBLE LESIONS
4818		NO VISIBLE LESIONS
4819		NO VISIBLE LESIONS
4820		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 5 40 MG/KG[a] DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
5811		NO VISIBLE LESIONS
5812		NO VISIBLE LESIONS
5813		NO VISIBLE LESIONS
5814		NO VISIBLE LESIONS
5815		NO VISIBLE LESIONS

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION
TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND
IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 1 0 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
1321		NO VISIBLE LESIONS
1322		NO VISIBLE LESIONS
1323		NO VISIBLE LESIONS
1324		NO VISIBLE LESIONS
1325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 2 1000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
2321		NO VISIBLE LESIONS
2322		NO VISIBLE LESIONS
2323		NO VISIBLE LESIONS
2324		NO VISIBLE LESIONS
2325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 3 5000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
3321		NO VISIBLE LESIONS
3322		NO VISIBLE LESIONS
3323		NO VISIBLE LESIONS
3324		NO VISIBLE LESIONS
3325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 4 10000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
4321		NO VISIBLE LESIONS
4322		NO VISIBLE LESIONS
4323		NO VISIBLE LESIONS
4324		NO VISIBLE LESIONS
4325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 1 0 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
1821		NO VISIBLE LESIONS
1822		NO VISIBLE LESIONS
1823		NO VISIBLE LESIONS
1824		NO VISIBLE LESIONS
1825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 2 1000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
2821		NO VISIBLE LESIONS
2822		NO VISIBLE LESIONS
2823		NO VISIBLE LESIONS
2824		NO VISIBLE LESIONS
2825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 3 5000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
3821		NO VISIBLE LESIONS
3822		NO VISIBLE LESIONS
3823		NO VISIBLE LESIONS
3824		NO VISIBLE LESIONS
3825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 4 10000 PPM DAY -6

ANIMAL#	PART OF EYE	OBSERVATION
4821		NO VISIBLE LESIONS
4822		NO VISIBLE LESIONS
4823		NO VISIBLE LESIONS
4824		NO VISIBLE LESIONS
4825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 1 0 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
1321	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT
1322		NO VISIBLE LESIONS
1323		NO VISIBLE LESIONS
1324		NO VISIBLE LESIONS
1325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 2 1000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
2321		NO VISIBLE LESIONS
2322		NO VISIBLE LESIONS
2323		NO VISIBLE LESIONS
2324		NO VISIBLE LESIONS
2325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 3 5000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
3321		NO VISIBLE LESIONS
3322		NO VISIBLE LESIONS
3323		NO VISIBLE LESIONS
3324		NO VISIBLE LESIONS
3325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

MALES GROUP 4 10000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
4321		NO VISIBLE LESIONS
4322		NO VISIBLE LESIONS
4323		NO VISIBLE LESIONS
4324		NO VISIBLE LESIONS
4325		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 1 0 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
1821		NO VISIBLE LESIONS
1822		NO VISIBLE LESIONS
1823	CONJUNCTIVA	CONJUNCTIVITIS; RIGHT
1824		NO VISIBLE LESIONS
1825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 2 1000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
2821		NO VISIBLE LESIONS
2822		NO VISIBLE LESIONS
2823		NO VISIBLE LESIONS
2824		NO VISIBLE LESIONS
2825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 3 5000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
3821		NO VISIBLE LESIONS
3822		NO VISIBLE LESIONS
3823		NO VISIBLE LESIONS
3824		NO VISIBLE LESIONS
3825		NO VISIBLE LESIONS

APPENDIX C

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL OPHTHALMOLOGY OBSERVATIONS

FEMALES GROUP 4 10000 PPM DAY 84

ANIMAL#	PART OF EYE	OBSERVATION
4821		NO VISIBLE LESIONS
4822		NO VISIBLE LESIONS
4823		NO VISIBLE LESIONS
4824		NO VISIBLE LESIONS
4825		NO VISIBLE LESIONS

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
1311	212	300	345	376	415	445	467	495	524	543	567	573	581	598	605
1312	190	265	298	331	338	365	385	401	417	420	425	434	431	440	444
1313	194	260	296	316	343	365	384	396	411	415	422	432	438	445	442
1314	178	263	316	356	386	412	426	445	466	483	503	507	512	534	539
1315	210	308	366	408	445	471	496	524	552	565	571	579	590	595	608
1316	198	288	338	378	416	451	455	469	477	488	505	518	539	556	572
1317	200	300	338	357	377	399	411	432	455	471	483	497	510	520	528
1318	193	270	299	331	365	386	405	423	438	452	472	468	483	493	494
1319	204	290	330	363	399	428	437	452	464	470	480	491	502	505	499
1320	207	300	350	394	428	462	468	484	500	505	525	553	564	570	574
MEAN	199	284	328	361	391	418	433	452	470	481	495	505	515	526	530
S.D.	10.3	18.2	24.3	29.1	36.0	39.0	37.9	41.2	44.9	47.7	50.7	52.4	54.8	56.1	60.5
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
2311	180	262	304	334	365	389	404	428	442	459	462	474	477	489	488
2312	209	298	355	396	441	472	476	500	524	542	552	563	575	600	608
2313	200	272	317	344	375	390	413	435	451	463	476	481	489	507	520
2314	205	307	366	408	453	482	482	516	540	554	569	592	603	624	641
2315	196	264	292	312	339	363	370	385	408	415	424	431	444	459	463
2316	206	283	322	350	381	400	400	407	419	428	435	447	453	466	466
2317	193	269	299	319	351	372	392	412	417	430	447	460	472	483	485
2318	194	277	321	356	388	416	373	397	415	434	455	475	481	496	505
2319	191	279	324	359	398	419	443	469	482	495	507	516	517	521	538
2320	199	277	315	342	372	395	389	402	413	424	415	428	440	457	456
MEAN	197	279	321	352	386	410	414	435	451	465	474	487	495	510	517
S.D.	8.6	14.3	23.2	30.3	36.3	39.3	39.9	45.0	48.3	50.0	52.6	54.7	54.8	57.8	62.8
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
3311	201	288	326	360	393	415	434	454	463	469	485	497	496	508	513
3312	199	276	310	342	370	398	420	434	452	469	483	492	486	489	485
3313	204	282	314	336	356	372	391	407	412	422	441	446	455	462	474
3314	192	263	299	339	371	398	411	422	433	449	468	473	483	496	514
3315	208	303	349	391	427	449	473	480	493	506	518	534	538	533	549
3316	189	267	300	323	345	368	390	411	428	442	458	469	482	489	498
3317	195	278	305	329	352	376	394	408	427	442	451	461	467	476	485
3318	182	260	296	331	360	382	394	404	420	430	435	445	442	452	456
3319	207	297	353	354	404	440	457	484	507	518	527	536	544	559	563
3320	198	278	316	350	374	387	408	418	441	456	471	483	485	485	494
MEAN	198	279	317	346	375	398	417	432	448	460	474	483	488	495	503
S.D.	8.0	14.0	20.0	19.8	25.8	28.0	29.0	30.0	31.5	31.2	30.6	32.0	32.1	32.0	32.7
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
4311	205	283	323	359	396	421	441	461	485	477	506	523	528	539	547
4312	203	296	354	400	444	481	500	535	557	579	599	614	622	640	647
4313	195	280	332	369	401	423	426	452	479	462	478	490	502	514	529
4314	189	271	319	354	389	417	445	457	476	463	478	488	497	507	513
4315	207	292	333	361	398	422	440	455	477	462	496	516	525	538	537
4316	193	269	300	324	352	368	394	409	430	426	446	462	477	488	497
4317	198	284	332	365	405	429	450	464	484	501	509	523	522	528	482
4318	199	272	307	343	383	414	418	443	466	471	493	510	517	525	544
4319	210	285	316	349	367	397	404	428	431	428	449	466	464	478	527
4320	184	270	296	318	333	363	379	398	406	426	440	444	451	458	467
MEAN	198	280	321	354	387	414	430	450	469	470	489	503	510	521	529
S.D.	8.0	9.6	17.6	23.3	30.7	33.3	34.3	37.3	41.5	45.6	45.8	47.6	47.3	49.4	49.2
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
5311	206	302	351	397	428	456	481	506	524	514	538	556	569	591	587
5312	199	290	343	381	415	436	462	484	506	510	531	550	565	579	583
5313	185	243	265	290	319	336	353	371	395	389	405	424	429	450	455
5314	196	262	292	324	348	371	394	410	427	444	452	464	471	485	489
5315	194	279	328	377	417	434	473	499	531	540	563	573	587	601	613
MEAN	196	275	316	354	385	407	432	454	477	479	498	513	524	541	545
S.D.	7.5	23.1	36.3	45.1	48.8	50.7	56.4	59.8	61.6	61.8	66.5	65.7	70.0	68.7	69.1
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
1811	172	220	235	254	277	276	288	291	301	302	302	289	290	301	294
1812	162	208	232	249	269	276	282	292	301	303	303	306	307	308	305
1813	175	228	249	270	282	303	314	317	332	345	336	336	344	356	352
1814	163	202	216	229	239	244	255	256	260	262	268	280	273	282	276
1815	156	208	227	245	274	279	280	298	313	320	322	337	339	341	333
1816	178	228	244	262	282	280	299	300	306	308	320	323	332	327	332
1817	167	214	229	252	266	271	273	289	293	294	294	304	297	331	331
1818	169	217	223	263	277	290	305	309	315	323	327	333	337	336	341
1819	167	213	241	252	267	268	287	292	293	305	292	307	314	329	325
1820	166	207	233	241	251	254	264	275	269	272	274	274	277	295	292
MEAN	167	214	233	252	268	274	285	292	298	303	304	309	311	321	318
S.D.	6.3	9.0	10.1	11.8	14.0	16.7	18.2	16.9	21.4	23.9	22.7	23.0	26.2	23.1	24.6
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
2811	167	207	221	250	264	271	279	294	298	301	305	316	314	311	318
2812	163	206	228	234	252	267	275	276	294	296	295	297	300	310	298
2813	169	215	232	249	263	280	288	286	302	299	304	297	305	313	309
2814	163	211	232	264	267	290	302	314	329	337	339	349	347	358	358
2815	172	213	227	265	281	285	291	292	302	314	312	320	328	321	320
2816	165	215	233	255	262	269	279	291	302	307	308	314	316	314	317
2817	167	203	224	243	251	259	271	278	282	281	290	297	290	287	297
2818	176	210	243	262	274	277	294	299	308	304	303	312	303	303	306
2819	175	224	243	253	271	292	291	294	298	312	303	314	314	315	312
2820	160	194	216	230	241	249	261	268	268	271	273	279	281	281	283
MEAN	168	210	230	250	263	274	283	289	298	302	303	309	310	311	312
S.D.	5.3	8.0	8.8	12.0	11.8	13.6	12.5	13.2	16.0	18.1	16.7	18.7	18.8	20.7	19.7
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
3811	161	197	224	241	255	258	272	285	283	284	284	287	288	284	290
3812	166	229	247	264	270	280	301	297	307	314	316	314	330	353	336
3813	168	221	250	265	289	290	303	310	316	323	329	328	338	338	337
3814	166	187	209	226	230	235	248	254	253	252	264	267	265	268	272
3815	168	192	226	249	260	277	301	306	313	309	324	333	334	330	334
3816	170	231	248	265	277	297	313	319	320	334	342	341	337	345	346
3817	164	203	216	231	226	243	244	245	261	261	261	266	269	266	261
3818	183	226	249	269	297	303	311	318	326	312	334	335	330	331	327
3819	175	210	215	230	232	240	252	248	255	256	264	270	266	274	273
3820	162	191	209	220	232	237	249	256	258	262	265	267	265	264	265
MEAN	168	209	229	246	257	266	279	284	289	291	298	301	302	305	304
S.D.	6.4	17.0	17.5	18.5	26.1	26.5	29.1	30.1	30.2	31.0	33.8	32.2	34.0	37.0	34.8
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
4811	158	208	227	237	245	252	263	266	268	255	268	276	279	279	280
4812	166	199	229	244	260	265	281	293	290	264	298	289	274	AD	
4813	166	209	228	250	264	264	277	272	285	289	287	295	293	299	293
4814	156	190	211	224	239	253	259	263	267	242	273	288	284	291	297
4815	172	215	228	235	253	257	260	262	269	274	278	276	278	287	278
4816	162	206	222	242	270	282	283	302	310	276	305	306	312	317	315
4817	173	214	225	248	260	264	277	287	290	292	299	308	298	298	299
4818	168	204	222	241	254	257	269	277	279	279	286	296	289	314	310
4819	168	206	226	240	252	270	279	284	279	260	282	291	281	293	289
4820	178	217	238	259	267	272	287	290	288	285	293	294	287	293	295
MEAN	167	207	226	242	256	264	273	280	282	272	287	292	287	297	295
S.D.	6.6	7.9	6.9	9.3	9.7	9.5	10.1	13.6	13.2	16.1	12.0	10.7	11.2	12.2	12.2
N	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9

AD=Animal Died

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY														
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90
5811	165	196	224	239	256	282	268	282	286	289	279	296	296	298	301
5812	166	205	232	244	258	263	276	285	293	296	298	305	301	307	314
5813	173	215	230	250	255	263	264	270	278	277	278	284	287	290	292
5814	161	200	220	230	236	251	261	266	272	279	288	291	291	298	293
5815	168	200	234	232	253	261	273	273	284	283	292	292	296	298	298
MEAN	166	203	228	239	252	264	268	275	283	285	287	294	294	298	300
S.D.	4.3	7.1	5.8	8.1	9.0	11.2	6.1	8.0	8.2	7.6	8.5	7.7	5.5	6.0	8.8
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 1 0 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
1321	215	300	345	386	422	442	453	472	493	497	520	540	551	582	578	592
1322	200	265	288	307	337	360	381	396	411	418	423	435	442	447	438	452
1323	198	293	356	405	456	484	504	532	556	567	600	624	643	658	656	671
1324	191	272	309	331	362	386	406	427	448	461	476	492	492	504	493	506
1325	194	279	320	345	372	394	409	425	448	466	482	492	495	508	514	529
MEAN	200	282	323	355	390	413	430	450	471	482	500	516	524	540	536	550
S.D.	9.3	14.6	27.4	40.0	48.3	49.7	48.4	53.1	55.7	55.2	65.5	70.8	76.7	81.4	83.8	84.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 2 1000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
2321	196	266	303	319	353	373	391	415	429	440	464	471	477	488	480	492
2322	195	261	293	319	349	370	393	414	428	447	455	461	470	480	476	485
2323	189	260	302	337	365	391	410	424	435	447	473	476	478	498	490	500
2324	212	314	361	407	455	485	521	549	567	589	607	624	631	641	645	655
2325	205	295	350	393	431	458	480	505	527	540	561	581	597	608	610	632
MEAN	200	279	322	355	391	415	439	461	477	493	512	523	530	543	540	553
S.D.	8.9	24.2	31.4	42.2	48.6	52.7	58.5	62.0	65.6	68.0	68.0	74.8	77.1	75.5	81.0	83.3
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 3 5000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
3321	206	282	325	361	399	406	425	443	458	475	504	515	530	540	543	564
3322	195	272	322	362	394	413	418	434	454	460	478	487	486	498	502	507
3323	200	288	341	378	420	441	455	476	491	506	520	534	541	546	553	552
3324	190	269	310	341	379	397	407	431	442	461	479	490	496	518	509	531
3325	206	277	300	333	357	377	401	422	442	457	468	487	493	507	505	522
MEAN	199	278	320	355	390	407	421	441	457	472	490	503	509	522	522	535
S.D.	6.8	7.7	15.6	18.0	23.4	23.4	20.9	20.7	20.2	20.3	21.4	21.3	24.5	20.7	23.9	23.1
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

MALES GROUP 4 10000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
4321	192	268	307	336	367	385	396	401	404	421	442	445	453	459	469	485
4322	205	284	323	353	390	414	425	443	468	485	507	523	527	542	539	553
4323	207	298	343	378	414	442	459	484	501	516	539	549	558	571	574	586
4324	199	269	303	328	351	368	374	397	409	423	441	450	455	473	476	489
4325	180	257	290	319	343	365	382	391	407	422	434	444	452	460	463	471
MEAN	196	275	313	343	373	395	407	423	438	453	473	482	489	501	504	516
S.D.	10.8	16.0	20.5	23.2	29.1	32.8	35.0	39.7	44.3	44.5	47.5	50.2	50.0	52.1	49.9	50.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
1821	174	217	246	268	296	299	314	326	325	347	376	363	366	364	360	370
1822	168	213	227	241	249	254	264	267	272	270	276	280	277	277	289	285
1823	178	218	242	258	274	275	294	307	313	307	317	325	327	329	325	331
1824	158	191	214	234	265	254	267	278	282	283	287	289	292	297	296	302
1825	171	222	246	250	248	273	272	291	296	300	297	307	317	315	316	327
MEAN	170	212	235	250	266	271	282	294	298	301	310	313	316	316	317	323
S.D.	7.3	12.1	13.8	13.5	20.0	18.8	21.1	23.3	21.8	29.4	39.5	32.8	34.3	33.1	28.0	32.4
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 2 1000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
2821	172	225	242	258	260	274	285	291	291	297	301	301	302	309	308	318
2822	172	203	230	247	265	269	284	299	303	302	313	311	312	317	323	325
2823	159	207	222	239	254	269	276	287	296	296	301	309	313	317	316	316
2824	179	225	253	275	279	294	314	321	326	334	342	347	345	359	356	364
2825	159	202	220	241	253	255	267	274	276	273	283	292	289	297	301	308
MEAN	168	212	233	252	262	272	285	294	298	300	308	312	312	320	321	326
S.D.	8.8	11.6	14.0	14.8	10.8	14.0	17.9	17.5	18.2	21.8	22.1	20.9	20.7	23.6	21.5	22.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

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LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
3821	166	207	218	239	254	262	264	276	283	285	283	288	293	301	307	297
3822	174	205	232	256	274	274	280	283	294	291	290	285	295	298	290	302
3823	172	219	233	257	268	271	283	292	296	296	301	305	303	299	299	305
3824	182	220	247	262	272	280	289	299	303	309	316	315	323	330	322	329
3825	153	207	238	234	246	266	301	293	287	283	297	305	306	304	311	300
MEAN	169	212	234	250	263	271	283	289	293	293	297	299	304	306	306	307
S.D.	10.6	7.2	10.6	12.3	12.3	6.8	13.3	8.9	7.5	10.2	12.5	12.6	12.0	13.4	12.2	13.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX D

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHTS (GRAMS)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY															
ANIMAL#	-9	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
4821	159	184	207	216	243	249	266	279	291	291	299	308	315	320	317	321
4822	174	210	240	258	270	274	290	301	301	300	309	316	314	314	327	320
4823	170	209	235	249	265	275	297	301	300	307	310	316	312	318	315	325
4824	170	208	216	236	249	255	291	289	287	292	304	309	311	311	309	323
4825	182	213	249	262	278	280	275	307	313	315	320	318	320	322	326	322
MEAN	171	205	229	244	261	267	284	296	298	301	308	313	314	317	319	322
S.D.	8.3	11.5	17.4	18.7	14.6	13.7	13.0	11.5	10.1	9.9	8.0	4.9	3.2	4.6	7.5	1.9
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 1 0 PPM

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
1311	89	45	31	39	30	22	28	29	18	24	7	8	16	7	305
1312	75	33	33	7	27	20	16	16	3	5	8	-2	9	3	178
1313	66	36	20	27	22	19	12	15	4	7	10	6	7	-3	182
1314	85	53	40	30	26	14	20	21	17	20	4	5	23	5	276
1315	98	58	42	38	26	25	27	28	13	6	8	11	6	13	300
1316	89	50	40	39	35	4	14	8	11	17	13	21	16	16	284
1317	100	38	19	20	22	12	21	23	16	12	14	13	10	8	228
1318	76	29	33	34	21	19	18	15	14	20	-4	15	10	1	225
1319	86	40	32	37	29	9	15	12	7	10	11	12	2	-6	208
1320	93	50	44	34	34	6	16	16	5	20	28	11	6	4	274
MEAN	86	43	33	30	27	15	19	18	11	14	10	10	10	5	246
S.D.	10.7	9.4	8.5	10.1	4.8	7.1	5.4	6.9	5.6	7.2	8.0	6.3	6.2	6.6	47.5
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 2 1000 PPM

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
2311	83	41	30	32	24	15	25	13	18	3	12	2	12	-1	226
2312	89	57	41	45	31	4	23	24	18	10	11	12	26	8	310
2313	72	45	27	31	15	23	22	16	13	13	4	8	19	13	248
2314	102	59	42	45	29	0	34	24	14	15	23	11	21	17	334
2315	68	28	20	27	24	7	15	24	7	9	7	13	16	4	199
2316	77	39	28	31	19	0	7	11	10	7	12	5	13	0	183
2317	76	30	20	32	21	20	20	5	13	17	13	12	11	2	216
2318	82	45	35	32	28	-43	24	18	20	21	20	7	14	10	229
2319	88	45	34	39	21	24	26	13	14	11	9	1	4	17	259
2320	78	37	28	30	23	-6	13	11	11	-8	13	12	18	-1	179
MEAN	82	43	30	34	24	4	21	16	14	10	12	8	15	7	238
S.D.	9.9	9.8	7.6	6.4	4.7	19.7	7.6	6.5	4.1	8.1	5.6	4.3	5.9	7.2	51.4
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 3 5000 PPM

	DAY	OF STUDY												
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
3311	87	38	35	33	22	19	20	9	6	16	12	-1	12	6	226
3312	77	35	32	28	28	23	14	18	17	14	9	-6	3	-4	209
3313	78	32	23	20	16	19	16	4	11	19	5	9	7	12	193
3314	71	35	40	32	27	13	11	12	15	19	5	10	12	18	251
3315	95	46	43	36	21	24	7	13	13	12	15	4	-5	16	246
3316	78	34	22	23	23	23	21	17	14	16	11	13	7	9	231
3317	83	27	24	23	24	18	14	19	15	8	10	6	9	10	207
3318	77	36	35	28	23	12	10	16	9	5	11	-3	9	5	197
3319	90	56	2	50	35	17	27	23	12	9	9	8	16	3	266
3320	80	38	34	24	14	21	10	22	15	16	11	3	-1	10	216
MEAN	82	38	29	30	23	19	15	15	13	13	10	4	7	8	224
S.D.	7.3	8.0	11.9	8.9	6.1	4.1	6.1	5.9	3.3	4.8	3.1	6.1	6.3	6.5	24.2
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 4 10000 PPM

	DAY	OF STUDY												
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
4311	79	40	36	37	25	20	20	24	-8	29	16	6	10	8	263
4312	93	58	46	44	38	19	35	22	22	19	16	8	18	7	351
4313	85	53	37	32	22	3	26	27	-17	16	12	12	12	15	249
4314	82	49	35	35	28	28	13	19	-13	14	11	8	10	6	242
4315	85	41	29	37	24	17	15	22	-15	33	20	9	13	-1	245
4316	76	31	25	27	16	26	16	21	-4	20	16	15	11	9	228
4317	86	48	33	40	25	21	14	20	17	8	14	-2	7	-46	198
4318	73	35	36	40	31	4	26	22	6	22	17	7	8	19	272
4319	76	30	33	19	29	8	24	3	-3	21	17	-2	14	49	242
4320	85	26	22	15	30	16	19	8	21	14	4	7	7	10	197
MEAN	82	41	33	33	27	16	21	19	1	20	14	7	11	8	249
S.D.	6.1	10.6	6.9	9.5	5.8	8.7	6.9	7.4	14.8	7.5	4.5	5.2	3.4	23.4	43.4
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
5311	96	49	46	31	27	25	25	19	-10	23	18	13	21	-3	285
5312	91	53	38	34	21	26	22	21	4	22	19	15	14	4	293
5313	58	22	25	29	17	17	19	24	-6	16	19	5	22	5	212
5314	67	30	32	24	23	23	17	17	17	8	12	7	14	4	227
5315	85	49	49	40	18	39	26	32	9	23	10	14	15	12	335
MEAN	79	41	38	32	21	26	22	22	3	18	16	11	17	4	270
S.D.	16.4	13.8	9.9	5.9	4.1	8.0	4.0	6.1	11.1	6.5	4.4	4.4	4.1	5.4	50.4
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
1811	49	14	20	22	-1	12	3	9	2	0	-13	1	11	-7	74
1812	46	24	17	20	8	6	10	9	2	0	3	1	1	-3	97
1813	53	21	20	12	21	11	3	15	13	-9	0	8	12	-5	123
1814	39	14	13	10	6	11	2	3	3	5	12	-7	9	-7	74
1815	52	19	18	29	5	1	19	15	6	3	14	2	2	-8	125
1816	50	16	18	20	-2	19	1	6	2	13	3	9	-5	5	104
1817	47	15	22	14	5	3	15	4	1	0	10	-8	35	0	117
1818	48	6	40	14	13	15	4	6	8	4	6	4	-1	5	124
1819	45	29	11	15	1	20	4	2	12	-12	14	7	16	-4	112
1820	41	26	8	10	3	10	12	-7	3	2	1	3	18	-3	86
MEAN	47	19	19	17	6	11	7	6	5	1	5	2	10	-3	104
S.D.	4.5	6.8	8.8	6.2	6.9	6.4	6.2	6.4	4.4	7.0	8.4	5.5	11.4	4.5	20.1
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 2 1000 PPM

	DAY	OF STUDY												
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
2811	40	13	29	14	7	7	15	4	4	3	11	-1	-3	7	110
2812	44	22	6	18	15	8	0	18	2	0	2	3	10	-12	92
2813	47	17	16	14	17	8	-3	16	-3	5	-7	8	8	-5	94
2814	48	20	33	3	23	13	12	15	8	2	10	-2	11	0	146
2815	41	14	38	16	4	6	0	10	13	-2	8	9	-8	-1	107
2816	50	18	22	7	7	9	13	11	6	0	6	2	-2	4	102
2817	36	21	19	8	8	12	7	4	-2	9	7	-7	-3	10	94
2818	34	33	19	12	3	18	5	8	-4	-1	9	-9	1	2	96
2819	49	19	10	18	21	-2	4	4	13	-8	10	0	2	-3	89
2820	35	22	14	11	8	12	7	0	4	2	5	2	-1	2	89
MEAN	42	20	21	12	11	9	6	9	4	1	6	1	1	0	102
S.D.	6.1	5.5	10.0	4.9	7.1	5.0	5.9	6.1	6.0	4.6	5.4	5.7	6.3	6.2	17.2
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
3811	37	27	17	14	3	14	13	-2	1	0	3	1	-4	6	93
3812	62	18	17	6	11	21	-4	10	8	2	-2	16	22	-17	107
3813	53	29	15	24	1	13	7	7	7	6	-2	10	0	-1	117
3814	21	22	18	4	4	13	6	-1	-1	12	4	-2	3	4	85
3815	24	34	24	11	17	24	5	7	-4	16	9	1	-4	4	143
3816	61	17	16	12	21	16	5	2	13	9	-2	-4	9	0	115
3817	39	12	16	-6	17	1	1	16	0	0	5	3	-3	-5	58
3818	44	23	19	28	6	8	7	9	-15	23	1	-6	2	-4	101
3819	35	6	15	1	8	12	-4	7	1	8	6	-4	8	-1	63
3820	28	18	11	12	5	11	8	2	3	3	3	-3	-1	1	74
MEAN	40	21	17	11	9	13	4	6	1	8	2	1	3	-1	95
S.D.	14.6	8.3	3.2	10.2	6.8	6.4	5.4	5.6	7.5	7.3	3.5	6.9	8.0	6.5	26.3
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
4811	50	19	10	8	6	12	3	2	-13	12	8	3	0	1	72
4812	33	30	15	16	6	16	11	-2	-26	35	-9	-15	AD	AD	
4813	43	19	22	14	0	13	-5	13	5	-2	8	-2	6	-6	84
4814	34	21	13	15	13	6	4	4	-25	31	14	-4	7	6	106
4815	43	14	6	18	4	3	3	6	6	4	-2	2	9	-8	64
4816	44	16	20	28	12	0	19	8	-34	29	2	5	6	-3	109
4817	41	12	23	12	4	13	10	3	2	7	9	-10	1	1	85
4818	36	18	19	13	4	12	8	2	0	7	10	-7	25	-4	106
4819	38	20	14	13	17	9	5	-5	-19	22	9	-10	11	-4	83
4820	40	21	21	8	5	15	3	-2	-3	8	1	-7	7	1	78
MEAN	40	19	16	15	7	10	6	3	-11	15	5	-4	8	-2	87
S.D.	5.1	4.8	5.5	5.7	5.3	5.3	6.5	5.2	14.5	12.9	7.0	6.5	7.3	4.2	16.2
N	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9

AD=Animal Died

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY													
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	0-90
5811	32	28	15	18	26	-14	13	5	3	-10	17	0	2	3	105
5812	38	27	13	14	5	13	9	8	3	2	7	-4	7	6	109
5813	42	16	19	6	8	0	7	8	0	1	6	3	4	2	77
5814	39	20	10	6	15	10	5	6	8	8	3	0	7	-6	92
5815	33	33	-1	21	8	12	0	12	-1	9	0	4	2	0	98
MEAN	37	25	11	13	12	4	7	8	2	2	7	1	4	1	96
S.D.	4.4	7.0	7.6	6.8	8.3	11.2	4.9	2.7	3.6	7.6	6.2	3.1	2.3	4.4	12.4
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
1321	85	45	41	36	20	11	19	22	4	22	20	11	31	-4	15	292
1322	64	23	19	30	23	22	14	16	7	5	11	7	6	-9	14	188
1323	95	63	49	51	29	19	28	25	11	33	24	19	15	-2	14	378
1324	81	37	22	31	24	20	21	21	14	15	15	1	11	-11	13	234
1325	84	41	25	27	22	15	16	24	17	16	10	3	14	6	16	251
MEAN	82	42	31	35	24	17	20	21	11	18	16	8	15	-4	14	268
S.D.	11.1	14.4	13.0	9.7	3.2	4.3	5.4	3.5	5.1	10.3	6.0	7.2	9.4	6.6	0.9	71.7
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
2321	70	37	16	35	20	18	24	14	12	23	7	6	11	-8	12	226
2322	65	33	26	30	21	23	20	14	19	8	6	8	11	-4	9	224
2323	70	42	35	28	26	20	14	11	11	27	3	2	20	-8	11	241
2324	102	47	46	47	31	36	27	19	22	18	18	6	10	4	9	341
2325	90	55	43	38	27	22	26	22	13	21	20	16	11	2	22	337
MEAN	79	43	33	36	25	24	22	16	15	19	11	8	13	-3	12	274
S.D.	15.7	8.9	12.4	7.4	4.5	7.2	5.3	4.3	4.7	7.1	7.6	5.1	4.1	5.8	5.3	60.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
3321	77	42	36	38	7	20	18	15	17	29	11	15	9	3	21	282
3322	77	51	40	32	18	6	16	20	7	17	9	-1	12	4	5	235
3323	88	53	37	41	22	14	21	16	15	14	14	6	6	7	-1	264
3324	79	41	31	38	18	10	23	11	19	18	11	6	22	-9	22	262
3325	71	24	33	24	20	24	21	20	15	11	18	7	14	-2	17	245
MEAN	78	42	35	35	17	15	20	16	14	18	13	7	13	1	13	258
S.D.	6.2	11.6	3.5	6.9	5.9	7.3	2.8	3.7	4.6	6.8	3.6	5.6	6.1	6.3	10.4	18.1
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

MALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
4321	76	39	29	31	18	11	5	3	17	22	3	8	6	10	16	216
4322	80	39	30	37	25	11	18	25	17	22	16	4	15	-2	13	269
4323	92	45	34	36	28	18	25	17	15	23	10	9	13	3	11	288
4324	70	33	26	22	17	6	23	12	14	18	8	5	18	3	13	220
4325	77	33	28	24	23	17	9	16	16	11	10	9	7	3	8	214
MEAN	79	38	29	30	22	12	16	14	16	19	9	7	12	3	12	241
S.D.	7.9	4.8	3.1	6.7	4.7	4.8	8.5	8.1	1.1	4.8	4.6	2.3	5.2	4.4	2.8	34.4
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
1821	43	29	23	28	3	14	13	-1	22	28	-13	4	-2	-4	10	154
1822	45	14	14	8	5	11	3	5	-2	5	5	-3	0	12	-4	72
1823	40	24	16	17	1	19	13	7	-7	10	8	2	3	-4	5	113
1824	33	23	19	31	-11	12	11	5	0	4	2	4	5	0	5	110
1825	51	24	4	-2	25	-1	19	4	4	-3	10	10	-2	1	11	105
MEAN	42	23	15	16	5	11	12	4	4	9	2	3	0	1	6	111
S.D.	6.6	5.5	7.0	13.8	12.8	7.1	5.8	2.9	11.0	11.7	9.1	4.7	3.0	6.5	5.7	29.1
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
2821	53	17	15	2	15	11	6	0	6	3	1	1	8	-1	9	93
2822	31	27	18	17	4	14	16	4	-2	12	-3	2	5	5	2	122
2823	48	15	18	14	15	7	12	8	0	5	8	4	4	-1	0	109
2824	45	28	22	4	15	20	7	5	8	8	4	-2	15	-3	8	140
2825	42	18	21	12	2	11	7	3	-3	10	9	-3	8	4	8	107
MEAN	44	21	19	10	10	13	9	4	2	8	4	0	8	1	5	114
S.D.	8.3	6.0	2.9	6.6	6.4	5.1	4.2	3.0	4.9	3.4	5.0	2.7	4.2	3.7	4.0	17.6
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
3821	42	11	21	15	8	2	12	7	2	-2	4	5	8	6	-10	89
3822	31	27	23	19	0	5	4	11	-3	-1	-5	9	3	-8	12	97
3823	47	14	23	11	3	12	10	3	0	5	4	-1	-4	0	6	86
3824	38	27	16	10	7	9	10	4	6	8	-1	8	7	-8	7	109
3825	53	31	-4	12	20	35	-8	-5	-4	14	8	1	-1	6	-10	94
MEAN	42	22	16	13	8	13	5	4	0	5	2	4	3	-1	1	95
S.D.	8.6	9.1	11.4	3.5	7.6	12.8	8.2	5.9	4.0	6.4	4.8	4.5	5.2	7.0	10.4	8.9
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX E

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL BODY WEIGHT CHANGE FROM INTERVAL TO INTERVAL (GRAMS)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	-9-0	0-7	7-14	14-21	21-28	28-35	35-42	42-49	49-56	56-63	63-70	70-77	77-84	84-90	90-96	0-96
4821	26	22	9	27	6	17	13	12	1	7	9	8	5	-3	4	136
4822	36	30	18	12	4	15	11	0	0	8	7	-2	0	13	-7	110
4823	40	26	15	16	10	23	4	-1	6	3	7	-4	6	-3	10	116
4824	37	8	21	13	6	36	-2	-2	5	12	5	3	-1	-2	14	115
4825	31	36	13	17	2	-6	33	6	2	6	-2	1	3	4	-4	109
MEAN	34	24	15	17	5	17	12	3	3	7	5	1	3	2	3	117
S.D.	5.6	10.4	4.4	6.1	2.9	15.1	13.2	5.9	2.7	3.4	4.3	4.6	2.8	7.0	8.9	11.1
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 1 0 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
1311	95	78	67	67	59	57	56	54	50	50	48	47	48	45
1312	99	90	69	61	59	59	57	54	51	50	47	49	49	45
1313	97	81	71	70	64	60	56	56	50	49	48	48	45	41
1314	98	84	73	66	61	56	55	54	50	52	47	49	48	45
1315	100	83	71	66	58	58	56	54	50	48	47	48	47	45
1316	105	82	71	66	63	56	55	53	52	53	51	52	48	47
1317	100	81	67	61	59	56	58	56	53	50	48	48	45	47
1318	100	80	74	69	64	58	57	57	53	52	48	49	47	45
1319	102	85	72	66	60	55	54	51	48	50	49	49	45	45
1320	100	82	73	63	60	50	51	49	47	50	51	46	44	43
MEAN	100	83	71	65	61	56	56	54	50	50	48	48	47	45
S.D.	2.8	3.3	2.6	3.1	2.3	2.6	2.0	2.3	2.1	1.4	1.4	1.5	1.6	1.7
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 2 1000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
2311	103	82	75	70	64	60	60	55	54	52	49	46	50	48
2312	99	85	72	68	61	50	53	52	47	48	46	47	49	40
2313	95	82	71	66	61	58	55	54	51	52	48	48	52	48
2314	100	84	69	65	57	50	53	52	48	50	46	46	45	42
2315	95	74	64	69	62	56	55	55	49	50	51	48	48	47
2316	97	83	70	69	63	54	55	54	55	56	53	54	56	51
2317	92	78	69	69	64	60	58	55	53	53	52	53	49	48
2318	98	81	72	66	61	35	49	49	53	57	53	52	50	49
2319	98	77	70	66	58	54	53	49	47	49	46	43	44	44
2320	100	79	69	68	60	51	56	54	55	49	49	51	56	51
MEAN	98	81	70	68	61	53	55	53	51	52	49	49	50	47
S.D.	3.1	3.4	2.8	1.7	2.2	7.3	2.8	2.5	3.1	3.1	3.0	3.5	4.0	3.7
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 3 5000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
3311	101	83	73	66	62	59	56	53	52	51	49	49	48	47
3312	93	75	66	63	58	55	52	51	49	48	45	42	41	39
3313	94	75	65	61	55	54	55	49	50	52	48	50	45	49
3314	96	81	74	69	61	56	53	53	51	52	50	50	48	47
3315	101	82	72	66	59	56	52	49	49	47	48	47	41	45
3316	100	81	74	67	61	59	59	53	50	52	47	49	47	49
3317	96	72	66	63	57	54	54	53	52	49	47	48	43	44
3318	94	79	72	65	58	53	51	53	49	48	47	46	44	45
3319	93	79	61	59	62	54	53	52	50	48	47	48	44	42
3320	96	82	74	67	56	57	56	53	51	50	49	47	46	46
MEAN	97	79	70	65	59	56	54	52	50	50	48	48	45	45
S.D.	3.1	3.7	4.8	3.1	2.7	2.1	2.4	1.6	1.3	2.0	1.5	2.5	2.5	3.1
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 4 10000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
4311	98	80	72	68	61	59	57	56	42	53	52	49	48	47
4312	95	79	68	65	59	52	53	50	47	48	46	44	43	43
4313	96	82	73	68	59	53	53	52	37	47	52	48	44	47
4314	93	78	69	63	60	57	53	49	39	47	48	47	45	46
4315	97	80	70	66	61	55	55	54	41	54	52	48	47	46
4316	97	79	72	68	63	58	58	55	47	52	49	50	48	47
4317	94	78	68	62	58	54	51	50	47	47	46	43	42	41
4318	98	79	74	70	64	54	56	56	48	50	51	47	49	48
4319	94	78	69	63	60	56	53	51	44	50	51	49	46	43
4320	106	77	65	62	63	53	55	50	52	52	48	47	46	45
MEAN	97	79	70	66	61	55	54	52	44	50	49	47	46	45
S.D.	3.5	1.4	2.6	3.0	2.1	2.2	2.1	2.8	4.6	2.7	2.4	2.3	2.3	2.3
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
5311	105	86	75	68	63	60	59	55	42	53	55	52	50	47
5312	99	85	74	67	60	56	53	51	43	48	51	49	46	46
5313	94	80	72	69	65	61	59	56	48	53	57	53	50	51
5314	92	78	72	67	63	60	58	54	51	53	51	50	49	49
5315	98	82	75	65	54	55	53	53	49	49	48	46	45	44
MEAN	98	82	73	67	61	58	56	54	47	51	52	50	48	47
S.D.	5.1	3.2	1.4	1.5	4.2	2.6	3.1	2.3	4.0	2.5	3.6	2.7	2.4	2.5
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
1811	SF	76	80	69	68	65	56	58	57	57	47	54	54	49
1812	95	81	74	72	64	63	62	57	53	58	54	53	51	51
1813	93	81	78	75	72	70	64	67	60	57	57	61	58	55
1814	CF	CF	CF	CF	CF	CF	59	66	60	58	61	61	56	53
1815	104	95	86	86	74	73	76	70	70	68	66	58	54	52
1816	104	SF	80	83	73	70	66	61	61	63	58	62	55	55
1817	88	77	76	70	64	68	67	58	59	60	61	56	65	64
1818	102	84	81	75	73	70	59	58	56	53	52	54	47	47
1819	94	78	78	76	68	70	66	61	64	63	61	62	63	61
1820	100	88	80	81	74	75	69	60	59	58	56	56	61	58
MEAN	97	82	79	76	70	69	64	62	60	59	57	58	56	54
S.D.	5.8	6.4	3.4	6.0	4.1	3.6	5.8	4.3	4.5	4.0	5.6	3.5	5.5	5.2
N	8	8	9	9	9	9	10	10	10	10	10	10	10	10

SF=Spilled Feeder CF=Contaminated Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 2 1000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
2811	97	81	82	77	SF	83	73	SF	SF	69	68	61	61	56
2812	SF	SF	SF	87	SF	SF	SF	SF	61	SF	65	61	60	53
2813	SF	SF	SF	SF	75	SF	66	SF	SF	66	56	65	66	57
2814	CF	CF	CF	CF	CF	CF	72	66	59	62	55	52	58	52
2815	94	79	86	80	65	70	66	64	63	63	63	61	58	55
2816	106	92	87	81	74	77	76	66	66	65	63	60	58	59
2817	105	SF	86	SF	SF	81	74	SF	73	76	SF	60	SF	73
2818	96	86	80	76	68	70	64	62	59	52	54	50	52	53
2819	81	CF	70	CF	CF	CF	62	CF	CF	CF	CF	CF	CF	52
2820	93	80	77	72	69	67	60	58	60	61	58	57	56	59
MEAN	96	84	81	79	70	75	68	63	63	64	60	59	59	57
S.D.	8.3	5.6	6.1	5.3	4.1	6.7	5.7	3.3	5.1	7.0	5.2	4.8	4.1	6.2
N	7	5	7	6	5	6	9	5	7	8	8	9	8	10

SF=Spilled Feeder CF=Contaminated Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
3811	98	87	77	75	68	71	66	63	60	60	57	60	58	54
3812	102	83	71	68	66	68	61	59	57	59	56	57	64	51
3813	100	89	77	77	68	66	62	62	58	59	58	60	57	54
3814	90	87	76	73	70	70	62	61	59	63	60	54	60	55
3815	86	87	77	74	74	75	60	64	55	66	58	58	52	57
3816	103	85	77	78	74	67	63	62	60	58	56	56	52	51
3817	CF	CF	CF	CF	68	CF	62	CF	58	61	59	57	56	54
3818	92	77	74	77	67	62	62	61	49	61	58	53	52	55
3819	87	CF	CF	66	65	61	36	57	59	57	55	56	53	50
3820	96	86	82	79	73	72	68	66	62	64	61	61	59	58
MEAN	95	85	76	74	69	68	60	62	58	61	58	57	56	54
S.D.	6.2	3.9	3.0	4.4	3.3	4.7	8.9	2.5	3.5	2.9	1.9	2.6	4.0	2.5
N	9	8	8	9	10	9	10	9	10	10	10	10	10	10

CF=Contaminated Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
4811	96	80	71	71	62	63	58	56	36	57	55	52	51	52
4812	95	91	82	79	76	79	67	62	37	82	60	51	AD	
4813	89	80	75	75	62	67	61	62	52	56	58	53	56	54
4814	94	82	75	80	70	67	63	SF	SF	75	62	57	60	58
4815	87	74	70	73	63	63	61	59	55	56	57	55	55	46
4816	90	80	77	77	70	67	65	58	25	65	59	57	52	50
4817	91	80	76	73	67	71	62	59	59	59	56	70	51	51
4818	103	83	78	73	71	65	58	56	53	55	53	37	59	55
4819	92	80	79	74	70	66	62	59	41	68	61	50	55	54
4820	93	80	75	68	64	65	59	55	54	55	51	49	54	52
MEAN	93	81	76	74	68	67	62	58	46	63	57	53	55	52
S.D.	4.5	4.3	3.6	3.5	4.8	4.6	2.9	2.4	11.7	9.6	3.4	8.3	3.2	3.3
N	10	10	10	10	10	10	10	9	9	10	10	10	9	9

AD=Animal Died SF=Spilled Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 5 40 MG/KG [a]

	DAY OF STUDY													
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90
5811	89	84	73	73	75	63	62	59	56	57	60	58	56	59
5812	95	94	92	SF	SF	SF	68	65	63	64	60	58	63	56
5813	90	83	75	SF	SF	103	SF	SF	SF	SF	60	59	SF	SF
5814	CF	CF	CF	CF	CF	CF	SF	SF	SF	SF	66	64	SF	SF
5815	95	90	80	78	74	68	69	69	63	65	63	62	64	59
MEAN	92	88	80	75	75	78	66	64	61	62	62	60	61	58
S.D.	3.3	5.1	8.2	3.1	0.7	21.8	4.1	5.0	4.0	4.1	2.6	2.5	4.6	1.9
N	4	4	4	2	2	3	3	3	3	3	5	5	3	3

SF=Spilled Feeder CF=Contaminated Feeder

[a]Positive control animals for micronucleus study only (cyclophosphamide at 40 mg/kg, IP).

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
1321	101	83	78	70	63	61	59	56	51	56	56	53	40	47	51
1322	94	76	64	65	60	57	55	54	48	48	49	49	62	40	49
1323	105	89	75	72	64	60	57	53	49	53	52	50	40	43	46
1324	100	84	73	67	62	62	62	57	55	55	54	50	49	49	49
1325	99	81	69	65	62	58	58	55	52	54	53	47	56	45	50
MEAN	100	82	72	68	62	60	58	55	51	53	53	50	49	45	49
S.D.	4.1	4.7	5.5	3.1	1.6	2.0	2.4	1.7	2.8	2.9	2.5	2.0	9.5	3.4	1.6
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
2321	97	83	70	67	63	60	60	55	49	55	51	53	50	45	50
2322	91	76	69	65	62	61	57	53	60	49	47	48	48	43	45
2323	103	86	82	71	63	62	58	57	56	SF	SF	55	SF	51	51
2324	103	86	75	70	63	62	59	52	50	49	48	47	41	42	44
2325	102	85	72	69	60	59	58	53	48	40	51	49	45	43	46
MEAN	99	83	74	68	62	61	58	54	53	48	49	50	46	45	47
S.D.	5.2	4.1	5.1	2.6	1.0	1.1	0.9	2.2	5.0	6.2	2.2	3.7	3.6	3.6	3.0
N	5	5	5	5	5	5	5	5	5	4	4	5	4	5	5

SF=Spilled Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
3321	96	78	72	65	57	57	56	55	55	55	54	53	46	44	52
3322	93	82	72	69	59	54	54	56	52	52	51	50	49	48	52
3323	100	86	72	71	62	56	56	54	52	49	49	48	46	43	49
3324	95	79	70	66	60	56	54	55	53	52	49	48	47	42	47
3325	97	77	70	68	62	60	59	57	55	52	52	51	49	46	50
MEAN	96	80	71	68	60	57	56	55	53	52	51	50	47	44	50
S.D.	2.7	3.4	1.1	2.3	2.1	2.4	1.9	1.2	1.4	2.1	1.9	1.9	1.6	2.2	2.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

MALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
4321	91	77	68	65	58	54	51	50	49	50	46	47	43	44	50
4322	93	77	70	65	62	56	56	54	53	54	51	50	50	46	52
4323	97	84	72	65	60	57	54	53	52	52	47	47	46	42	40
4324	99	79	73	67	63	57	58	56	53	54	51	49	49	47	47
4325	96	79	69	64	59	56	55	53	52	51	49	50	46	46	56
MEAN	95	79	70	65	60	56	55	53	52	52	49	49	47	45	49
S.D.	3.1	2.8	2.2	1.0	2.2	1.2	2.7	2.1	2.0	1.7	2.2	1.8	2.8	2.0	6.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 1 0 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
1821	104	91	83	86	75	75	68	59	62	75	57	51	47	50	59
1822	103	85	80	79	74	77	73	71	65	68	65	65	64	61	67
1823	95	85	77	77	68	70	69	67	57	62	59	55	56	55	58
1824	99	88	78	80	70	73	71	71	62	66	63	60	61	57	66
1825	94	87	SF	77	70	73	SF	SF	65	63	66	67	64	63	66
MEAN	99	87	79	80	71	74	70	67	62	67	62	60	59	57	63
S.D.	4.5	2.6	2.4	3.4	3.1	2.7	2.4	5.5	3.2	5.0	4.1	6.6	7.0	5.1	4.5
N	5	5	4	5	5	5	4	4	5	5	5	5	5	5	5

SF=Spilled Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 2 1000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
2821	90	77	73	77	67	67	65	62	56	64	53	56	52	47	59
2822	CF	CF	CF	CF	CF	CF	68	62	57	63	57	57	59	58	64
2823	93	SF	77	77	68	70	68	61	55	62	60	59	52	51	57
2824	92	83	77	SF	67	72	67	68	63	58	59	62	SF	53	55
2825	97	87	79	76	70	69	63	61	60	61	62	59	61	56	60
MEAN	93	82	76	77	68	70	66	63	58	61	58	58	56	53	59
S.D.	2.8	5.2	2.8	0.8	1.5	2.0	2.0	3.0	3.3	2.1	3.4	2.3	4.8	4.2	3.5
N	4	3	4	3	4	4	5	5	5	5	5	5	4	5	5

CF=Contaminated Feeder SF=Spilled Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 3 5000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
3821	101	86	83	79	71	72	71	66	63	66	64	66	65	61	63
3822	98	97	82	83	63	66	67	62	55	57	55	59	57	70	60
3823	102	86	81	81	70	72	69	58	59	65	58	58	SF	53	66
3824	92	85	74	72	66	62	60	58	55	53	49	54	52	46	55
3825	104	98	76	80	74	85	69	60	64	68	64	67	62	61	66
MEAN	99	90	79	79	69	71	67	61	59	62	58	61	59	58	62
S.D.	4.6	6.5	4.0	4.0	4.6	8.5	4.5	3.4	4.4	6.5	6.4	5.5	6.0	9.1	4.5
N	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5

SF=Spilled Feeder

APPENDIX F

LIQUIFIED PETROLEUM GAS: A 13-WEEK WHOLE-BODY INHALATION TOXICITY STUDY IN RATS WITH NEUROTOXICITY ASSESSMENTS AND IN VIVO GENOTOXICITY ASSESSMENTS

INDIVIDUAL FEED CONSUMPTION VALUES (GRAMS/KG/DAY)

FEMALES GROUP 4 10000 PPM

	DAY OF STUDY														
ANIMAL#	0	7	14	21	28	35	42	49	56	63	70	77	84	90	96
4821	87	82	75	80	72	73	70	67	61	62	58	58	57	54	55
4822	94	85	77	77	69	70	65	62	60	60	57	59	56	55	55
4823	98	81	75	76	68	70	65	62	58	58	58	60	57	52	65
4824	98	85	SF	76	74	73	67	64	65	68	61	60	57	56	61
4825	89	85	73	76	66	72	66	59	57	60	58	59	56	56	57
MEAN	93	84	75	77	70	72	67	63	60	62	58	59	56	55	59
S.D.	5.0	2.2	1.7	1.8	3.1	1.7	1.9	2.9	2.9	3.9	1.5	0.9	0.5	1.8	4.2
N	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5

SF=Spilled Feeder

Group 1 - 0 ppm	Individual Estrous Cyclicity	Appendix G

Animal No.	Test Day																							Cycles (days)					Mean Length
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	C1	C2	C3	C4	C5	
1811	D	D	P	/E	D	D	D	/E	D	D	D	D	P	D	D	D	/E	M	D	D	TS			4	9	4			5.7
1812	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	TS			4	4	4	4		4.0
1813	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	D	D	D	/E	M	TS			4	4	4	4		4.0
1814	D	/E	D	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	M	TS			5	4	4	4		4.3
1815	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	D	D	D	/E	TS			4	4	4	4		4.0
1816	D	D	D	D	D	D	P	/E	D	D	D	/E	E	D	D	D	P	/E	D	D	D	/E	TS	4	6	4			4.7
1817	/E	D	D	D	D	/E	M	D	D	D	D	D	D	D	D	D	D	D	D	D	/E	D	TS	5	Ps				5.0
1818	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	M	D	D	/E	M	D	D	/E	D	TS	4	4	4	4	4	4.0
1819	/E	E	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	/E	M	TS	Ps					
1820	/E	D	D	D	/E	D	D	D	D	D	D	D	D	D	D	D	D	D	P	/E	D	D	TS	4	Ps				4.0

Estrous cycles were evaluated for 21 days or until day of sacrifice
/ = point from which the number of days in the estrous cycle is counted
Shading represents a period of pseudo-pregnancy
TS = Terminal Sacrifice
D = Diestrous
P = Proestrous
E = Estrous
M = Metestrous
Ps = Pseudo-pregnancy

Group Mean Length	4.4
S.D.	0.60
n	9

$C_{1, 2, 3, 4, 5}$ = Length of cycles (days)

Group 2 - 1000 ppm	Individual Estrous Cyclicity	Appendix G

Animal No.	Test Day																						Cycles (days)					Mean Length
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	C1	C2	C3	C4	C5	
2811	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	D	D	D	/E	D	D	D	TS			4	4	4	4		4.0
2812	D	D	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	M	TS			4	4	4	4		4.0
2813	D	D	/E	E	D	D	D	/E	D	D	D	D	/E	D	D	D	D	D	P	/E	TS			5	5	7			5.7
2814	M	D	D	/E	E	D	D	D	/E	E	M	D	D	/E	E	D	D	D	/E	M	TS			5	5	5			5.0
2815	D	D	D	/E	D	D	D	/E	M	D	P	/E	M	D	D	/E	D	D	P	/E	TS			4	4	4	4		4.0
2816	D	D	D	/E	D	D	P	/E	D	D	D	/E	D	D	P	/E	D	D	D	/E	M	D	TS	4	4	4	4		4.0
2817	/E	M	D	D	/E	M	D	D	/E	M	D	P	/E	M	D	D	/E	M	D	P	/E	M	TS	4	4	4	4	4	4.0
2818	/E	D	D	D	/E	D	D	D	P	/E	D	D	D	/E	M	D	D	/E	D	D	D	/E	TS	4	5	4	4	4	4.2
2819	D	/E	E	D	D	P	/E	D	D	D	/E	M	D	P	/E	M	D	D	/E	M	D	/E	TS	5	4	4	4	3	4.0
2820	/E	D	D	D	/E	D	D	D	P	/E	D	D	D	/E	E	D	D	D	/E	E	D	D	TS	4	5	4	5		4.5

Group Mean Length	4.3
S.D.	0.57
n	10

Estrous cycles were evaluated for 21 days or until day of sacrifice
/ = point from which the number of days in the estrous cycle is counted
TS = Terminal Sacrifice
D = Diestrous
P = Proestrous
E = Estrous
M = Metestrous

$C_{1, 2, 3, 4, 5}$ = Length of cycles (days)

Group 3 - 5000 ppm	Individual Estrous Cyclicity	Appendix G

Animal No.	Test Day																						Cycles (days)					Mean Length
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	C1	C2	C3	C4	C5	
3811	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	D	D	P	/E	D	D	P	TS			4	4	4	4		4.0
3812	D	/E	E	M	D	D	D	D	D	D	D	D	D	D	D	D	D	D	/E	E	TS			Ps					
3813	D	D	/E	D	D	D	D	/E	D	D	D	/E	D	D	D	D	P	/E	D	D	TS			5	4	6			5.0
3814	/E	D	D	D	/E	M	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	TS			4	4	4	4		4.0
3815	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	E	M	D	TS			4	4	4	4		4.0
3816	D	/E	M	D	D	/E	D	D	D	/E	D	D	D	P	/E	D	D	D	D	D	D	D	TS	4	4	5			4.3
3817	D	D	D	/E	D	D	D	D	D	D	D	D	P	D	D	D	D	/E	E	M	D	D	TS	Ps					
3818	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	M	D	D	/E	M	D	TS	4	4	4	4		4.0
3819	P	/E	M	D	D	/E	M	D	D	/E	M	D	P	/E	M	D	P	/E	M	D	P	/E	TS	4	4	4	4	4	4.0
3820	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	TS	4	4	4	4	4	4.0

Estrous cycles were evaluated for 21 days or until day of sacrifice
/ = point from which the number of days in the estrous cycle is counted
Shading represents a period of pseudo-pregnancy
TS = Terminal Sacrifice
D = Diestrous
P = Proestrous
E = Estrous
M = Metestrous
Ps = Pseudo-pregnancy

Group Mean Length	4.2
S.D.	0.36
n	8

$C_{1, 2, 3, 4}$ = Length of cycles (days)

Group 4 - 10000 ppm	Individual Estrous Cyclicity	Appendix G

Animal No.	Test Day																						Cycles (days)					Mean Length
	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	C1	C2	C3	C4	C5	ML
4811	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	D	D	/E	M	D	D	/E	TS			4	4	4	4		4.0
4812	D	D	/E	D	D	D	/E	D	D	D	D	/E	AD	-	-	-	-	-	-	-	-			4	5				4.5
4813	D	D	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	D	D	D	/E	M	TS			4	4	4	4		4.0
4814	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	M	D	D	TS			4	4	4	4		4.0
4815	D	/E	E	D	D	D	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	M	TS			5	4	4	4		4.3
4816	D	/E	E	D	D	D	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	E	D	D	TS	5	4	4	4		4.3
4817	/E	E	D	D	D	/E	D	D	/E	D	D	P	/E	M	D	D	/E	D	D	D	/E	E	TS	5	3	4	4	4	4.0
4818	/E	M	D	D	/E	D	D	D	D	D	D	D	D	D	D	D	/E	D	D	D	D	P	TS	4	Ps				4.0
4819	/E	M	D	D	D	/E	D	D	D	/E	D	D	P	/E	D	D	P	/E	D	D	D	/E	TS	5	4	4	4	4	4.2
4820	/E	D	D	D	/E	D	D	D	/E	D	D	D	/E	M	D	D	/E	D	D	P	/E	M	TS	4	4	4	4	4	4.0

Estrous cycles were evaluated for 21 days or until day of sacrifice
/ = point from which the number of days in the estrous cycle is counted
Shading represents a period of pseudo-pregnancy
TS = Terminal Sacrifice
D = Diestrous
P = Proestrous
E = Estrous
M = Metestrous
Ps = Pseudo-pregnancy

Group Mean Length	4.1
S.D.	0.17
n	10

$C_{1, 2, 3, 4}$ = Length of cycles (days)

Males	Individual Motor Activity Values (number of beam breaks) Pretest	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1311	281	243	175	101	148	4	4	17	3	0	0	0
1312	166	140	126	61	125	46	12	0	0	0	0	3
1313	72	17	0	14	4	0	12	0	0	6	0	0
1314	176	134	71	46	23	3	0	0	6	29	120	0
1315	171	170	107	119	23	0	0	0	0	2	2	34
1321	156	113	11	19	0	0	3	4	0	0	0	0
1322	155	144	150	113	166	104	70	205	39	7	3	4
1323	170	82	68	12	0	0	0	0	0	0	0	0
1324	199	192	71	94	145	69	99	120	32	0	0	0
1325	217	220	186	130	117	31	3	0	113	14	0	0
Mean	**176**	**146**	**97**	**71**	**75**	**26**	**20**	**35**	**19**	**6**	**13**	**4**
SD	**53**	**66**	**64**	**46**	**70**	**37**	**35**	**71**	**36**	**9**	**38**	**11**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2311	182	127	87	104	55	35	8	0	0	0	0	0
2312	213	178	137	101	97	116	50	37	0	0	4	6
2313	166	111	76	25	1	0	0	0	8	0	0	0
2314	280	139	95	152	0	0	0	0	0	0	0	7
2315	181	93	113	111	92	31	10	4	17	10	0	0
2321	169	145	177	104	26	99	3	17	0	5	1	0
2322	122	83	123	63	65	14	3	4	8	30	0	0
2323	175	215	176	73	16	0	0	0	0	0	0	6
2324	243	150	158	110	35	37	4	0	0	0	6	5
2325	196	110	145	177	108	70	27	179	88	124	75	19
Mean	**193**	**135**	**129**	**102**	**50**	**40**	**11**	**24**	**12**	**17**	**9**	**4**
SD	**44**	**40**	**36**	**43**	**40**	**42**	**16**	**56**	**27**	**39**	**23**	**6**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Pretest	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3311	206	138	129	5	3	0	0	0	11	190	96	119
3312	14	17	2	11	3	0	0	0	2	0	0	0
3313	175	136	152	110	72	39	20	2	0	33	1	0
3314	231	160	100	139	129	69	37	0	0	0	9	8
3315	160	55	118	136	77	56	86	85	71	27	0	0
3321	145	73	85	18	16	72	49	12	0	0	0	0
3322	135	99	96	39	72	28	0	0	0	0	2	0
3323	1	14	158	119	29	0	0	0	39	34	0	0
3324	211	231	92	25	0	0	0	7	3	0	0	0
3325	178	202	189	96	50	49	4	4	0	0	0	0
Mean	**146**	**113**	**112**	**70**	**45**	**31**	**20**	**11**	**13**	**28**	**11**	**13**
SD	**79**	**74**	**51**	**55**	**42**	**30**	**29**	**26**	**24**	**59**	**30**	**37**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4311	222	232	152	17	0	0	0	0	3	2	7	1
4312	200	134	122	157	22	0	4	0	0	0	0	0
4313	127	124	67	25	4	0	0	18	1	0	0	2
4314	166	156	95	42	77	6	27	54	99	146	82	123
4315	264	160	168	51	128	18	0	0	0	0	0	0
4321	158	132	131	90	16	2	14	25	0	0	0	0
4322	200	118	56	73	29	49	77	30	11	3	0	0
4323	168	140	118	104	69	87	76	13	0	0	0	0
4324	213	205	146	85	24	9	0	0	0	0	1	7
4325	169	175	122	117	178	92	41	9	10	1	0	9
Mean	**187**	**161**	**119**	**81**	**47**	**26**	**21**	**11**	**9**	**12**	**6**	**3**
SD	**40**	**38**	**35**	**42**	**60**	**37**	**32**	**11**	**19**	**36**	**18**	**5**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Pretest	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1811	202	173	124	12	1	0	0	3	2	3	0	0
1812	209	114	39	19	0	0	0	0	52	79	56	65
1813	154	102	97	81	87	11	0	0	2	0	2	0
1814	149	105	72	84	103	73	34	15	0	0	0	5
1815	191	97	92	8	0	0	0	0	0	105	12	0
1821	155	84	0	102	27	33	105	1	1	0	33	16
1822	122	141	87	0	0	0	0	2	4	4	31	132
1823	206	181	91	82	71	45	3	2	26	1	0	0
1824	193	112	97	98	7	0	0	0	0	7	0	0
1825	124	121	141	30	6	0	46	81	0	3	3	11
Mean	**171**	**123**	**84**	**52**	**30**	**16**	**19**	**10**	**9**	**20**	**14**	**23**
SD	**34**	**32**	**40**	**41**	**41**	**26**	**35**	**25**	**17**	**38**	**20**	**43**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2811	158	122	41	0	0	0	0	0	0	38	2	0
2812	191	125	73	104	13	34	8	0	0	0	1	4
2813	175	160	112	105	84	138	106	74	6	119	35	77
2814	175	160	112	105	84	138	106	74	6	119	35	77
2815	138	143	114	75	93	91	77	42	97	67	51	76
2821	111	87	11	1	0	32	0	0	54	0	0	4
2822	146	90	7	0	0	0	7	3	0	0	0	0
2823	160	47	111	59	3	0	0	1	0	0	0	40
2824	163	121	113	107	76	75	86	79	93	87	60	61
2825	183	146	107	82	54	14	6	0	0	1	0	8
Mean	**160**	**120**	**80**	**64**	**41**	**52**	**40**	**27**	**26**	**43**	**18**	**35**
SD	**24**	**36**	**44**	**46**	**41**	**55**	**47**	**36**	**40**	**51**	**24**	**35**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Pretest	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3811	171	112	35	11	0	0	0	0	0	43	0	0
3812	146	92	91	100	109	72	39	2	72	136	86	86
3813	207	108	0	0	0	0	0	0	1	0	0	18
3814	118	96	53	1	0	0	7	39	40	80	80	55
3815	193	133	128	86	50	82	0	0	0	0	0	0
3821	136	111	68	10	0	3	9	106	40	31	4	94
3822	108	100	93	1	15	0	0	0	92	126	98	75
3823	235	145	121	86	63	37	44	12	3	8	3	0
3824	168	200	155	117	128	110	139	90	6	0	0	2
3825	139	146	113	128	94	82	114	73	93	119	67	112
Mean	**162**	**124**	**86**	**54**	**46**	**39**	**35**	**32**	**35**	**54**	**34**	**44**
SD	**40**	**33**	**47**	**54**	**50**	**44**	**51**	**42**	**39**	**56**	**43**	**45**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4811	175	108	143	25	0	0	0	1	0	5	112	54
4812	192	168	93	31	2	115	59	0	0	2	7	0
4813	188	143	111	95	81	105	88	126	78	99	55	15
4814	153	105	74	94	19	0	0	4	45	117	95	49
4815	181	127	133	108	0	0	0	0	0	24	2	0
4821	123	52	21	50	0	0	0	6	0	0	79	70
4822	139	119	87	30	0	0	7	0	0	2	0	0
4823	91	94	124	83	63	28	0	0	0	19	99	76
4824	125	129	83	65	38	111	60	68	80	141	98	12
4825	176	115	45	9	12	126	19	0	0	0	0	0
Mean	**156**	**121**	**94**	**54**	**27**	**49**	**26**	**26**	**26**	**44**	**53**	**35**
SD	**34**	**33**	**38**	**33**	**34**	**57**	**32**	**43**	**42**	**60**	**47**	**43**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 2	Appendix H

	5-Minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 - 0 ppm												
1311	173	163	135	13	1	0	0	0	0	0	0	0
1312	235	187	200	101	67	154	36	24	2	0	18	0
1313	122	114	42	39	50	0	0	0	0	0	0	0
1314	220	122	100	121	30	25	0	0	1	0	0	2
1315	224	210	158	148	191	53	53	156	8	0	0	0
1321	141	160	67	67	67	20	43	0	0	0	0	0
1322	175	56	0	0	3	1	1	9	0	0	3	0
1323	117	26	0	0	0	2	2	0	0	0	0	0
1324	194	171	98	6	0	1	0	0	0	0	5	0
1325	225	202	103	155	136	107	12	2	2	4	45	0
	183	**141**	**90**	**65**	**55**	**36**	**15**	**19**	**1**	**0**	**7**	**0**
	44	**61**	**65**	**62**	**65**	**54**	**21**	**49**	**2**	**1**	**14**	**1**
	10	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 - 1000 ppm												
2311	164	107	133	91	19	0	0	0	0	0	0	60
2312	187	127	86	32	27	0	9	11	0	0	0	0
2313	178	165	48	73	10	18	1	4	3	4	1	0
2314	200	124	142	74	73	5	0	0	2	0	5	0
2315	154	108	52	16	15	0	2	0	0	0	0	0
2321	198	125	47	7	40	0	15	3	8	3	3	2
2322	120	128	12	0	9	2	0	2	0	1	0	0
2323	191	138	16	0	0	0	0	0	0	0	0	2
2324	18	199	29	2	0	0	0	0	0	2	0	6
2325	226	164	167	127	34	87	12	0	0	0	1	0
	164	**139**	**73**	**42**	**23**	**11**	**4**	**2**	**1**	**1**	**1**	**7**
	59	**29**	**56**	**46**	**22**	**27**	**6**	**3**	**3**	**1**	**2**	**19**
	10	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 2	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3311	168	152	78	77	2	3	2	7	6	6	0	1
3312	192	133	165	53	11	0	0	0	0	0	0	0
3313	162	130	132	87	25	24	4	0	0	0	0	1
3314	236	206	199	163	150	102	55	50	0	0	0	3
3315	277	193	146	156	32	39	3	0	0	0	0	42
3321	163	89	93	3	2	2	4	0	6	0	2	5
3322	177	197	136	93	175	38	0	0	0	0	0	0
3323	192	128	63	30	0	1	1	3	5	0	0	29
3324	205	67	0	0	1	4	0	3	0	0	0	1
3325	152	146	127	52	31	6	1	1	1	0	6	2
Mean	**192**	**144**	**114**	**71**	**43**	**22**	**7**	**6**	**2**	**1**	**1**	**8**
SD	**39**	**46**	**57**	**56**	**65**	**32**	**17**	**15**	**3**	**2**	**2**	**15**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4311	288	232	75	3	1	4	1	3	1	0	1	1
4312	250	175	165	96	12	31	0	0	19	7	3	1
4313	200	55	20	5	10	1	0	0	0	0	0	0
4314	180	154	98	109	12	2	0	0	0	19	7	0
4315	273	193	109	122	52	39	0	0	0	0	13	0
4321	216	115	126	69	11	3	2	7	5	0	0	0
4322	256	95	117	103	78	33	18	0	0	0	0	0
4323	244	143	119	82	122	38	33	3	3	0	0	0
4324	143	46	68	158	105	1	4	3	0	1	1	0
4325	226	196	129	14	12	4	1	2	2	1	7	0
Mean	**228**	**140**	**103**	**76**	**42**	**16**	**6**	**2**	**3**	**3**	**3**	**0**
SD	**44**	**62**	**40**	**53**	**45**	**17**	**11**	**2**	**6**	**6**	**4**	**0**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 2	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1811	154	174	93	148	2	0	0	0	7	4	0	0
1812	131	147	124	62	63	7	0	0	0	0	0	0
1813	154	102	94	87	85	10	2	3	3	1	0	0
1814	180	113	87	136	5	20	0	0	0	0	0	0
1815	198	55	127	2	0	3	5	0	0	0	5	3
1821	167	135	118	119	61	36	38	0	26	0	0	4
1822	144	119	55	11	16	0	0	0	0	4	0	0
1823	181	104	66	15	39	38	0	0	0	0	0	76
1824	173	120	91	100	74	65	3	0	0	0	0	0
1825	153	82	120	63	0	0	0	0	0	1	0	1
Mean	**164**	**115**	**98**	**74**	**35**	**18**	**5**	**0**	**4**	**1**	**1**	**8**
SD	**20**	**33**	**25**	**53**	**34**	**22**	**12**	**1**	**8**	**2**	**2**	**24**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2811	161	120	94	0	0	0	0	0	0	0	0	15
2812	166	123	19	25	42	29	1	3	54	45	0	0
2813	165	113	100	71	86	5	0	2	0	0	0	4
2814	246	158	118	56	76	2	0	2	0	0	1	0
2815	167	128	72	40	3	0	0	0	0	0	0	6
2821	192	60	0	0	4	0	0	0	15	0	0	1
2822	149	86	97	70	10	6	0	5	0	0	2	0
2823	138	63	81	0	0	0	0	1	0	0	0	0
2824	144	110	41	77	6	0	2	1	0	0	0	0
2825	134	139	71	56	0	0	0	0	2	0	0	0
Mean	**166**	**110**	**69**	**40**	**23**	**4**	**0**	**1**	**7**	**5**	**0**	**3**
SD	**33**	**32**	**38**	**31**	**33**	**9**	**1**	**2**	**17**	**14**	**1**	**5**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 2	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3811	129	77	90	70	65	3	0	0	0	0	0	0
3812	139	103	113	87	91	55	71	30	0	0	0	2
3813	165	126	150	122	56	64	14	0	0	0	0	0
3814	128	67	98	41	26	46	113	108	79	5	1	0
3815	123	79	38	60	0	0	0	1	6	0	0	9
3821	172	99	59	6	0	0	2	1	0	3	1	2
3822	157	149	101	110	44	1	4	1	0	1	5	0
3823	183	53	21	1	0	2	1	3	1	1	1	0
3824	193	145	119	71	0	0	0	0	0	0	0	0
3825	120	150	81	13	1	26	12	0	0	6	0	2
Mean	**151**	**105**	**87**	**58**	**28**	**20**	**22**	**14**	**9**	**2**	**1**	**2**
SD	**27**	**36**	**39**	**42**	**34**	**26**	**39**	**34**	**25**	**2**	**2**	**3**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4811	120	103	33	72	105	51	8	0	0	0	0	1
4812	151	124	166	32	53	145	154	2	0	0	0	2
4813	205	148	83	34	3	17	0	0	3	19	0	0
4814	95	138	78	65	0	5	0	2	0	0	0	0
4815	192	105	89	36	29	4	0	0	0	0	50	0
4821	146	122	80	72	0	0	0	0	1	0	0	0
4822	114	178	114	16	7	2	2	0	0	0	4	0
4823	160	143	94	63	10	7	0	0	0	0	0	0
4824	167	142	43	0	0	14	64	0	0	0	0	0
4825	154	129	2	0	9	14	0	2	0	0	0	2
Mean	**150**	**133**	**78**	**39**	**22**	**26**	**23**	**1**	**0**	**2**	**5**	**1**
SD	**34**	**22**	**45**	**28**	**34**	**44**	**50**	**1**	**1**	**6**	**16**	**1**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 4	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1311	267	170	123	131	79	113	7	55	5	0	0	0
1312	180	143	95	18	1	0	0	0	0	1	0	0
1313	138	103	54	0	0	0	0	0	0	4	2	0
1314	226	122	67	56	54	3	2	42	1	3	1	2
1315	230	143	112	1	0	0	0	3	1	5	0	0
1321	187	174	196	127	64	227	128	12	2	0	0	0
1322	124	150	53	0	2	12	0	0	0	0	0	19
1323	208	35	7	0	0	3	1	32	0	0	0	0
1324	179	129	59	3	5	6	0	0	0	20	132	8
1325	224	166	103	79	59	1	1	0	0	1	0	2
Mean	**196**	**134**	**87**	**42**	**26**	**37**	**14**	**14**	**1**	**3**	**14**	**3**
SD	**44**	**41**	**52**	**54**	**33**	**75**	**40**	**21**	**2**	**6**	**42**	**6**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2311	196	166	240	71	13	0	0	0	7	0	0	0
2312	221	178	132	56	32	0	0	0	3	0	0	0
2313	178	129	164	54	36	0	0	0	0	0	6	1
2314	242	223	92	22	0	0	0	0	9	2	3	3
2315	206	135	86	72	33	37	0	0	0	0	0	0
2321	243	162	176	60	2	23	0	1	1	0	6	0
2322	142	200	102	130	79	31	3	0	0	0	0	0
2323	158	119	89	1	8	4	0	0	0	1	0	1
2324	228	140	92	34	9	0	0	33	0	21	28	54
2325	243	191	95	74	37	28	75	5	0	1	53	1
Mean	**206**	**164**	**127**	**57**	**25**	**12**	**8**	**4**	**2**	**3**	**10**	**6**
SD	**37**	**34**	**51**	**35**	**24**	**15**	**24**	**10**	**3**	**7**	**17**	**17**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 4	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3311	214	181	22	3	3	0	1	0	0	15	6	0
3312	206	154	107	49	44	7	0	0	0	0	6	0
3313	168	142	92	47	9	24	0	0	0	14	7	1
3314	248	234	223	106	62	244	216	108	24	9	11	0
3315	184	173	72	24	57	7	2	0	9	1	63	3
3321	193	124	4	1	1	0	3	0	0	0	1	1
3322	183	135	199	153	66	8	0	0	2	1	9	0
3323	222	142	125	108	34	0	0	0	0	0	0	3
3324	195	118	123	22	4	16	1	0	0	1	0	19
3325	190	162	163	71	114	58	28	1	0	4	2	4
Mean	**200**	**157**	**113**	**58**	**39**	**36**	**25**	**11**	**4**	**5**	**11**	**3**
SD	**23**	**34**	**70**	**50**	**37**	**75**	**68**	**34**	**8**	**6**	**19**	**6**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4311	255	184	85	1	116	43	1	0	0	2	2	1
4312	250	229	136	15	3	46	1	1	4	13	4	2
4313	184	160	37	13	1	3	0	0	0	0	4	1
4314	221	157	73	16	4	16	3	8	40	1	1	2
4315	206	103	53	104	13	0	0	0	0	0	3	10
4321	256	190	119	70	58	14	0	0	1	14	4	0
4322	244	166	76	35	31	19	1	1	4	5	5	0
4323	180	133	138	80	83	8	21	7	0	4	4	0
4324	189	157	44	11	0	0	0	1	1	3	14	0
4325	199	220	154	71	6	0	4	2	0	7	3	0
Mean	**218**	**170**	**92**	**42**	**32**	**15**	**3**	**2**	**5**	**5**	**4**	**2**
SD	**31**	**38**	**42**	**36**	**41**	**17**	**6**	**3**	**12**	**5**	**4**	**3**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 4	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1811	145	125	98	9	0	1	0	0	0	5	0	0
1812	149	139	124	83	106	3	0	0	0	0	0	3
1813	245	112	81	22	0	0	0	0	9	0	0	0
1814	127	127	11	1	0	0	0	0	0	2	1	0
1815	160	114	40	4	3	8	1	2	1	8	0	0
1821	150	75	115	104	41	2	0	32	0	1	2	1
1822	166	176	29	0	0	0	0	6	22	8	4	1
1823	212	117	27	0	28	35	13	0	5	3	6	112
1824	203	136	121	165	103	20	0	0	0	0	0	0
1825	157	169	126	77	46	2	14	1	2	2	0	0
Mean	**171**	**129**	**77**	**47**	**33**	**7**	**3**	**4**	**4**	**3**	**1**	**12**
SD	**37**	**29**	**46**	**58**	**42**	**12**	**6**	**10**	**7**	**3**	**2**	**35**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2811	156	138	98	64	93	28	0	1	0	0	0	0
2812	145	94	92	23	8	1	17	9	0	3	4	7
2813	177	134	103	69	18	0	0	0	0	0	0	0
2814	218	111	22	0	1	0	0	3	4	0	0	5
2815	173	85	42	0	0	1	8	0	0	0	0	0
2821	137	106	6	0	2	21	5	0	0	1	0	0
2822	119	108	50	1	0	3	0	0	0	0	0	5
2823	148	63	54	144	75	0	0	0	9	63	55	0
2824	246	124	88	106	16	4	0	0	0	0	0	0
2825	165	139	83	101	97	2	19	7	0	2	4	3
Mean	**168**	**110**	**64**	**51**	**31**	**6**	**5**	**2**	**1**	**7**	**6**	**2**
SD	**38**	**25**	**34**	**53**	**40**	**10**	**7**	**3**	**3**	**20**	**17**	**3**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 4	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3811	131	29	39	30	0	0	0	0	0	0	0	0
3812	168	108	58	120	97	2	0	0	0	0	0	0
3813	196	185	77	5	0	0	0	0	0	0	0	9
3814	137	96	112	47	79	52	25	0	0	4	1	2
3815	123	99	23	31	104	1	7	0	0	0	0	1
3821	174	82	21	1	0	2	0	0	0	0	0	0
3822	181	132	143	20	38	2	0	0	0	5	0	45
3823	197	147	159	75	31	9	1	2	0	5	10	0
3824	156	84	127	116	17	7	29	0	1	5	9	13
3825	121	127	123	49	19	0	0	0	0	1	18	2
Mean	**158**	**109**	**88**	**49**	**39**	**8**	**6**	**0**	**0**	**2**	**4**	**7**
SD	**29**	**42**	**51**	**42**	**40**	**16**	**11**	**1**	**0**	**2**	**6**	**14**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4811	127	121	33	8	1	0	0	4	0	0	0	4
4812	254	111	190	127	63	70	20	4	0	10	0	3
4813	157	127	133	38	0	0	0	0	0	5	0	0
4814	98	54	14	0	13	0	4	0	0	0	0	0
4815	170	136	100	4	9	0	0	0	0	0	0	1
4821	118	86	35	0	0	66	1	0	0	2	0	0
4822	136	117	25	6	3	0	1	0	0	0	0	0
4823	143	120	108	10	0	0	0	0	0	0	10	0
4824	111	133	98	61	33	1	0	0	1	7	0	3
4825	165	126	80	22	6	0	2	0	0	1	6	0
Mean	**148**	**113**	**82**	**28**	**13**	**14**	**3**	**1**	**0**	**3**	**2**	**1**
SD	**44**	**25**	**56**	**40**	**20**	**29**	**6**	**2**	**0**	**4**	**4**	**2**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 8	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1311	275	160	110	126	90	21	14	0	0	0	0	5
1312	229	158	136	100	47	38	0	0	0	0	0	15
1313	141	76	6	0	0	11	0	2	0	1	3	4
1314	224	141	135	72	3	52	5	4	3	1	2	0
1315	191	46	3	1	6	11	0	0	3	0	0	0
1321	191	84	85	12	30	0	2	6	5	0	0	6
1322	185	89	27	0	0	0	0	13	0	0	3	0
1323	99	8	0	0	0	0	0	1	32	71	1	2
1324	258	135	84	157	28	29	153	192	17	25	19	0
1325	200	163	126	159	59	12	49	17	10	120	16	0
Mean	**199**	**106**	**71**	**63**	**26**	**17**	**22**	**24**	**7**	**22**	**4**	**3**
SD	**52**	**54**	**57**	**68**	**31**	**18**	**48**	**59**	**10**	**41**	**7**	**5**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2311	156	120	102	81	31	26	20	0	1	3	0	1
2312	174	102	157	105	98	9	0	0	0	1	0	1
2313	185	64	44	28	3	0	1	0	0	0	0	4
2314	292	193	188	32	14	4	6	1	0	5	0	0
2315	164	111	59	48	6	14	1	8	0	0	0	0
2321	229	184	91	58	29	5	7	0	1	1	2	0
2322	174	141	98	35	41	7	0	0	0	8	0	7
2323	164	165	25	18	0	0	0	11	0	1	0	1
2324	160	129	65	38	9	4	0	0	0	0	0	0
2325	187	170	143	112	109	87	78	4	75	51	1	7
Mean	**189**	**138**	**97**	**56**	**34**	**16**	**11**	**2**	**8**	**7**	**0**	**2**
SD	**42**	**41**	**52**	**33**	**39**	**26**	**24**	**4**	**24**	**16**	**1**	**3**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 8	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3311	213	139	51	66	19	10	7	38	0	10	0	0
3312	191	174	115	41	84	1	0	0	0	0	0	0
3313	117	160	172	116	19	27	23	0	0	6	0	0
3314	237	89	69	20	7	34	6	0	0	0	0	0
3315	188	147	126	16	37	2	3	3	1	1	1	14
3321	150	15	50	1	27	0	0	3	0	0	0	0
3322	121	130	149	26	144	70	51	0	1	0	0	1
3323	202	89	82	0	0	4	1	8	0	0	2	18
3324	115	67	6	3	0	0	1	27	39	0	11	72
3325	250	167	198	114	29	6	0	0	0	4	4	4
Mean	**178**	**118**	**102**	**40**	**37**	**15**	**9**	**8**	**4**	**2**	**2**	**11**
SD	**50**	**51**	**61**	**44**	**45**	**23**	**16**	**13**	**12**	**3**	**3**	**22**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4311	214	153	27	0	0	2	0	0	6	92	1	1
4312	218	166	106	26	30	66	11	11	0	0	1	3
4313	133	63	64	0	0	0	0	0	61	5	2	13
4314	102	85	13	3	7	1	4	1	2	0	0	8
4315	271	186	76	23	1	5	0	10	3	0	2	4
4321	154	7	0	1	0	31	8	0	0	0	0	2
4322	243	147	120	72	17	0	0	0	0	3	0	3
4323	105	84	98	71	108	104	84	31	6	2	13	3
4324	277	157	98	32	16	50	1	0	0	4	0	1
4325	205	191	130	60	38	13	9	2	2	5	16	2
Mean	**192**	**124**	**73**	**29**	**22**	**27**	**12**	**6**	**8**	**11**	**4**	**4**
SD	**65**	**61**	**46**	**29**	**33**	**36**	**26**	**10**	**19**	**29**	**6**	**4**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 8	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1811	169	75	4	2	5	87	0	0	0	0	0	3
1812	164	87	39	92	27	38	10	0	0	0	2	2
1813	145	96	0	0	0	10	0	2	4	0	1	0
1814	179	138	87	1	0	0	0	0	0	0	23	2
1815	161	75	17	3	0	2	3	11	2	2	3	0
1821	175	128	63	0	0	4	1	1	3	0	1	40
1822	143	123	64	40	11	0	0	0	0	0	0	0
1823	145	89	29	0	0	0	9	0	31	78	100	71
1824	155	151	66	84	43	174	35	0	0	4	7	0
1825	182	117	96	43	8	9	10	0	14	16	44	17
Mean	**162**	**108**	**47**	**27**	**9**	**32**	**7**	**1**	**5**	**10**	**18**	**14**
SD	**15**	**27**	**34**	**36**	**15**	**57**	**11**	**3**	**10**	**24**	**32**	**24**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2811	162	126	100	33	0	0	14	105	158	108	22	0
2812	154	113	45	35	0	0	0	0	1	4	3	38
2813	176	141	98	36	63	0	0	0	0	0	0	0
2814	111	62	0	1	6	0	0	0	0	0	0	0
2815	185	101	68	29	24	6	0	0	0	0	0	0
2821	129	57	1	0	0	5	16	3	0	0	0	0
2822	186	113	76	38	36	1	4	4	4	1	1	0
2823	195	46	0	18	4	0	2	1	2	6	0	0
2824	156	153	132	105	29	24	44	0	0	1	7	5
2825	139	129	127	87	43	66	45	52	73	88	24	50
Mean	**159**	**104**	**65**	**38**	**21**	**10**	**13**	**17**	**24**	**21**	**6**	**9**
SD	**27**	**37**	**51**	**34**	**22**	**21**	**18**	**35**	**52**	**41**	**9**	**19**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 8	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3811	123	89	8	0	0	64	62	0	0	0	0	6
3812	188	186	134	87	69	7	0	0	0	0	1	2
3813	163	126	101	54	3	2	0	0	0	2	0	0
3814	126	119	70	49	43	38	59	116	102	112	4	1
3815	138	94	54	14	25	1	6	0	0	0	0	0
3821	172	129	87	140	9	0	14	6	12	0	0	0
3822	217	158	80	99	100	3	11	66	51	42	0	0
3823	216	93	98	41	6	4	24	5	0	13	1	0
3824	182	136	59	52	7	1	5	13	3	3	0	0
3825	146	111	119	76	51	23	1	0	0	15	100	63
Mean	**167**	**124**	**81**	**61**	**31**	**14**	**18**	**21**	**17**	**19**	**11**	**7**
SD	**34**	**31**	**36**	**41**	**34**	**21**	**23**	**39**	**34**	**35**	**31**	**20**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4811	157	84	126	20	5	1	0	0	0	0	4	0
4812	200	153	100	11	7	0	0	0	2	0	0	0
4813	149	154	79	73	39	62	19	2	0	0	2	0
4814	128	68	101	55	0	0	3	1	1	2	2	1
4815	135	71	0	0	0	3	1	0	0	2	0	0
4821	183	141	38	1	0	1	0	2	3	1	5	0
4822	128	77	98	75	0	0	0	0	0	0	0	6
4823	202	95	126	66	38	57	31	2	4	1	0	4
4824	116	148	71	49	0	0	0	0	0	0	39	127
4825	128	98	81	22	14	14	24	1	2	0	0	0
Mean	**153**	**109**	**82**	**37**	**10**	**14**	**8**	**1**	**1**	**1**	**5**	**14**
SD	**32**	**36**	**39**	**30**	**16**	**24**	**12**	**1**	**1**	**1**	**12**	**40**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 13	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1311	153	99	39	11	0	0	2	4	7	0	1	6
1312	179	57	38	0	0	0	0	0	0	0	1	0
1313	99	35	2	0	0	0	2	1	5	1	6	4
1314	219	150	70	97	12	38	1	0	0	0	0	1
1315	281	140	42	0	74	0	0	0	0	0	0	14
1321	171	110	94	45	0	0	2	16	0	14	0	0
1322	121	68	5	42	0	0	0	63	11	0	0	3
1323	125	47	55	19	0	0	0	11	0	0	0	0
1324	195	160	91	45	5	4	0	0	0	0	21	0
1325	179	63	108	52	10	0	24	23	0	3	18	0
Mean	**172**	**93**	**54**	**31**	**10**	**4**	**3**	**12**	**2**	**2**	**5**	**3**
SD	**53**	**45**	**36**	**31**	**23**	**12**	**7**	**20**	**4**	**4**	**8**	**4**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2311	58	75	62	20	6	36	93	60	49	8	14	2
2312	212	87	83	8	28	0	0	0	0	1	0	0
2313	157	103	74	36	33	22	0	0	1	3	0	0
2314	224	115	73	53	17	7	0	1	0	1	5	3
2315	241	163	44	30	10	12	3	0	3	2	11	12
2321	281	180	94	15	38	3	0	61	92	20	0	0
2322	111	97	20	10	0	0	0	0	0	7	0	13
2323	230	166	124	3	0	0	0	0	0	0	8	17
2324	169	42	74	17	0	0	16	18	0	0	0	0
2325	171	116	128	51	20	6	37	0	0	1	0	0
Mean	**185**	**114**	**78**	**24**	**15**	**9**	**15**	**14**	**15**	**4**	**4**	**5**
SD	**66**	**44**	**33**	**18**	**14**	**12**	**30**	**25**	**31**	**6**	**5**	**7**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Males	Individual Motor Activity Values (number of beam breaks) Week 13	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3311	173	76	110	5	0	45	4	4	0	56	0	0
3312	144	59	3	0	0	0	0	0	0	2	0	0
3313	204	78	21	0	9	0	0	3	0	1	0	1
3314	154	68	38	4	0	0	59	73	2	2	0	0
3315	117	88	15	74	2	0	0	0	0	3	1	1
3321	115	28	0	0	10	38	0	4	1	0	0	0
3322	200	224	181	107	51	4	32	2	75	33	5	0
3323	147	86	15	1	1	0	0	1	0	8	0	2
3324	192	97	29	0	0	0	0	0	0	0	19	1
3325	278	107	73	0	0	0	0	0	1	0	3	0
Mean	**172**	**91**	**49**	**19**	**7**	**9**	**10**	**9**	**8**	**11**	**3**	**1**
SD	**49**	**52**	**58**	**38**	**16**	**17**	**20**	**23**	**24**	**19**	**6**	**1**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4311	237	198	136	12	3	1	10	11	1	1	0	0
4312	130	56	76	20	97	0	0	0	0	6	0	11
4313	206	135	36	4	0	0	0	0	0	0	3	35
4314	172	97	5	0	0	0	71	0	0	0	0	0
4315	198	105	82	146	20	11	4	1	1	0	0	13
4321	171	33	0	0	10	10	10	0	76	0	42	3
4322	152	152	75	7	1	24	0	36	71	3	2	100
4323	153	91	90	47	14	6	7	10	2	0	25	6
4324	167	97	121	70	3	20	0	0	0	0	1	0
4325	148	162	128	130	111	16	31	0	0	0	9	3
Mean	**173**	**113**	**75**	**44**	**26**	**9**	**13**	**6**	**15**	**1**	**8**	**17**
SD	**32**	**50**	**48**	**55**	**42**	**9**	**22**	**11**	**31**	**2**	**14**	**31**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 13	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 1 – 0 ppm												
1811	75	0	0	0	3	0	1	1	2	0	1	2
1812	152	111	80	16	0	0	0	0	0	0	0	3
1813	185	55	11	0	0	0	0	2	0	2	35	1
1814	175	101	28	0	0	0	1	0	0	0	2	3
1815	169	41	30	0	0	1	96	131	48	39	0	0
1821	220	122	45	2	0	0	0	15	19	0	0	0
1822	144	110	48	4	0	0	0	6	0	0	1	0
1823	222	104	54	0	0	112	127	118	21	22	5	0
1824	119	44	36	2	0	32	23	0	0	15	3	11
1825	187	75	131	39	0	0	0	0	0	3	23	0
Mean	**165**	**76**	**46**	**6**	**0**	**15**	**25**	**27**	**9**	**8**	**7**	**2**
SD	**45**	**40**	**37**	**12**	**1**	**36**	**47**	**52**	**16**	**13**	**12**	**3**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 2 – 1000 ppm												
2811	170	85	89	0	0	0	0	0	1	0	0	0
2812	137	101	0	3	0	0	0	0	13	1	0	0
2813	186	110	64	16	0	0	0	0	0	0	0	0
2814	151	49	12	3	1	0	0	1	0	30	2	94
2815	132	94	38	9	0	6	33	31	1	0	0	0
2821	97	39	22	0	2	0	0	6	0	0	0	0
2822	166	185	44	3	0	0	0	6	0	0	0	0
2823	93	102	0	6	0	0	23	7	0	0	3	0
2824	186	129	98	122	4	0	2	2	4	1	18	0
2825	139	116	108	82	79	7	0	3	0	0	2	2
Mean	**146**	**101**	**48**	**24**	**9**	**1**	**6**	**6**	**2**	**3**	**3**	**10**
SD	**33**	**41**	**40**	**42**	**25**	**3**	**12**	**9**	**4**	**9**	**6**	**30**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**

Females	Individual Motor Activity Values (number of beam breaks) Week 13	Appendix H

	5 minute Interval											
Animal Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Group 3 – 5000 ppm												
3811	134	0	0	0	0	0	0	0	0	0	2	0
3812	208	102	107	15	7	0	0	0	0	0	0	0
3813	192	102	44	6	0	0	0	0	0	0	0	0
3814	135	83	39	42	27	5	4	0	0	0	0	9
3815	150	71	90	91	49	18	0	0	0	0	0	11
3821	160	99	15	2	0	0	6	1	0	0	0	1
3822	163	154	114	2	0	0	0	13	10	3	0	0
3823	145	70	32	33	14	4	1	5	1	0	3	11
3824	159	72	4	0	0	0	0	0	0	7	6	0
3825	145	69	78	42	7	1	4	2	0	0	10	8
Mean	**159**	**82**	**52**	**23**	**10**	**3**	**2**	**2**	**1**	**1**	**2**	**4**
SD	**24**	**39**	**42**	**29**	**16**	**6**	**2**	**4**	**3**	**2**	**3**	**5**
n	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Group 4 – 10000 ppm												
4811	123	84	56	11	0	0	0	0	4	0	0	0
4812	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
4813	69	82	4	0	0	0	0	5	0	1	3	40
4814	121	135	61	54	2	5	0	24	4	5	0	0
4815	119	132	0	0	0	0	95	102	2	2	0	0
4821	147	154	23	0	1	33	2	1	0	2	0	0
4822	172	47	11	14	0	0	0	21	147	83	0	2
4823	129	65	69	24	2	0	0	19	63	32	1	0
4824	180	64	50	5	0	0	0	0	0	0	2	0
4825	182	119	117	19	17	0	0	0	0	0	5	3
Mean	**138**	**98**	**43**	**14**	**2**	**4**	**11**	**19**	**24**	**14**	**1**	**5**
SD	**36**	**38**	**38**	**17**	**6**	**11**	**32**	**33**	**50**	**28**	**2**	**13**
n	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**

AD = Animal Dead

	Individual Functional Observational Battery Evaluations	Appendix I

ABBREVIATION	EVALUATION	SCORES
HOME CAGE EVALUATIONS		
Post	Posture	1 - Sitting or standing 2 – Rearing; standing on hind limbs 3 – Asleep; may be laying on side or curled up 4 – Lying on side, limbs in the air 5 – Flattened, limbs may be spread 6 – Crouched; sitting hunched, head hung down
Vocal	Vocalizations	1 - No vocalizations present 2 - Vocalization present
Palp Close	Palpebral Closure	1 - Eyelids open 2 - Eyelids slightly drooping 3 - Eyelids half closed 4 - Eyelids completely closed
Motor Move	Motor Movement	1 – No abnormal movements 2 – Tremors 3 – Fasciculations 4 – Convulsions 5 – Stereotypy; compulsive movements, e.g., sniffing, licking, grooming; type noted 6 – Other (describe comments)
HANDLING EVALUATIONS		
Rem	Ease of Removal	1 – Very easy; sits quietly, accepts observers touch 2 – Easy; vocalization without resistance to handling 3 – Slightly difficult; rears, often follows observer's hand 4 – Freezes or flinches; with or without vocalization 5 – Moderately difficult; runs around cage, is hard to pick up 6 – Very Difficult; attempts to bite and attack, with or without vocalization
Hand	Reactivity to Handling	1 – Low; no resistance, rat is easy to handle 2 – Moderately low; slight resistance to being handled, with or without vocalization 3 – Moderately high; rat may freeze, be tense or rigid in hand, with or without vocalization 4 – High; squirms or twists, attempts to bite, with or without vocalization
Chromo	Chromodacryorrhea	1 - Not present 2 - Present

	Individual Functional Observational Battery Evaluations	Appendix I

ABBREVIATION	EVALUATION	SCORES
HANDLING EVALUATIONS (cont.)		
Lac	Lacrimation	1 – No lacrimation 2 – Moderate lacrimation 3 – Extreme lacrimation
Sal	Salivation	1 – Not present 2 – Slight salivation; around mouth 3 – Moderate salivation; facial and/or cervical area 4 – Extreme salivation; on ventral surface
Coat	Coat	1 - Normal; well groomed 2 - Slightly soiled 3 - Moderately soiled 4 - Extremely soiled; crusty, unkempt
OPEN FIELD EVALUATIONS		
Gait	Gait and Posture	1 - No abnormal gait or posture observed **2 - Ataxia** 1 - Slightly uncoordinated limb movement, may be seen intermittently 2 - Moderately uncoordinated, body rocks or sways, limbs uncoordinated 3 – Severely uncoordinated, animal has difficulty remaining upright during movement **3 - Hindlimbs are splayed or drag** 1 - Slight; hindlimbs are slightly splayed, abnormality may be seen intermittently 2 - Moderate; pronounced foot splay, present continuously 3 - Severe, hindlimbs are dragging **4 - Forelimbs drag** 1 - Moderate, intermittently drags forelimbs 2 - Severe, forelimbs are drag, unable to support body **5 - Walks on tips of toes** 1 - Slight, observed intermittently 2 - Severe, continuous body arched **6 - Hunched or crouched body position** 1 - Moderate; assumes hunched or crouched position, displays some movement 2 - Severe; continuously assumes hunched or crouched position, no movement **7 - Body drags or is flattened** 1 - Slight; body is low to the surface, but supported by all limbs 2 - Moderate; body is touching surface, but is supported by limbs 3 - Severe, body is flattened with limbs extended

	Individual Functional Observational Battery Evaluations	Appendix I

ABBREVIATION	EVALUATION	SCORES
OPEN FIELD EVALUATIONS (cont.)		
Loco	Locomotion	1 - No impairment, animal moves easily around open field 2 - Slightly impaired; moves slowly, deliberate movements 3 - Moderately impaired; moves sluggish and with hesitation, may require gentle prodding 4 - Severely impaired; animal doesn't move around field even after gentle prodding
Arousal	Arousal	1 – Very low, stupor, little or no responsiveness to environment 2 – Moderately low; slight stupor, some head or body movement 3 – Slightly low; slightly sluggish, some exploratory behavior with period of inactivity 4 – Alert, displays exploratory behavior 5 – High, slight excitement, tense sudden darting or freezing 6 – Very High; hyperalert, sudden bouts of running or movement
Exo	Exophthalmia	1 - Not present 2 - Present
Pilo	Piloerection	1 - Not present 2 - Present
Feces	Fecal Pellets	Number of fecal pellets or "U" if unformed stool is noted.
Urine	Urine	Number of pools of urine or "X" if polyuria is noted.
ABNORMAL MOTOR MOVEMENTS		
Fasc	Fasciculations	1 - None present 2 – Present
Trem	Tremors	1 - None present 2 – Present
Conv	Convulsions	1 - None present 2 – Present

	Individual Functional Observational Battery Evaluations	Appendix I

ABBREVIATION	EVALUATION	SCORES
REFLEX ASSESSMENTS		
Visual Approach	Response to Visual Stimuli	1 – No reaction 2 – Slowly approaches, sniffs and/or turns away 3 – Freezes or pulls away slightly 4 – Jumps or turns abruptly to avoid 5 – Attacks and/or bites
Aud	Audition Assessment	1 – No reaction 2 – Slight reaction, some evidence that noise was heard 3 – Flinches and/or flicks ears 4 – Exaggerated; jumps, flips, bites
Pain	Pain Perception	1 – No reaction 2 – Turns towards site, walks forward or vocalizes with little or no movement 3 – Rat flinches, muscle contractions are present 4 – Exaggerated reaction; jumps, bites, attacks
Pupil Response	Pupil Response	1 – Pupil constricts normally 2 – Pupil size does not change 3 – Miosis 4 - Mydriasis
Pinna Reflex	Sensitivity to a Light Touch	1 – Ear flattens against head 2 – No response
Proprio	Proprioception	1 – Returns leg to original position 2 – Returns leg only partially to original position 3 – No response, rat allows leg to remain pulled back
Air Right	Air Righting Reflex	1 - Normal, lands on all four feet 2 - Slightly uncoordinated; two legged or unsteady landing 3 - Lands on side 4 - Lands on back
Body Temp	Body Temperature	°C

Males	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1311	1	1	1	1	1	1	1	1	1	1	257.3	1	1	4	1	1	2	0
1312	1	1	1	1	1	1	1	1	1	1	200.8	1	1	4	1	1	0	0
1313	1	1	1	1	1	1	1	1	1	1	205.3	1	1	4	1	1	1	1
1314	1	1	1	1	1	1	1	1	1	1	199.0	1	1	4	1	1	3	0
1315	1	1	1	1	1	1	1	1	1	1	239.5	1	1	4	1	1	0	0
1321	1	1	1	1	1	1	1	1	1	1	246.8	1	1	4	1	1	0	0
1322	1	1	1	1	2	1	1	1	1	1	230.0	1	1	4	1	1	4	0
1323	1	1	1	1	1	1	1	1	1	1	230.3	1	1	4	1	1	0	1
1324	1	1	1	1	1	1	1	1	1	1	230.2	1	1	4	1	1	0	0
1325	1	1	1	1	1	1	1	1	1	1	233.3	1	1	4	1	1	3	5
Group 2 – 1000 ppm																		
2311	1	1	1	1	1	1	1	1	1	1	192.1	1	1	4	1	1	1	6
2312	1	1	1	1	2	1	1	1	1	1	221.0	1	1	4	1	1	0	0
2313	1	1	1	1	1	1	1	1	1	1	220.3	1	1	4	1	1	0	0
2314	1	1	1	1	1	1	1	1	1	1	234.2	1	1	4	1	1	0	0
2315	1	1	1	1	1	1	1	1	1	1	214.8	1	1	4	1	1	0	0
2321	1	1	1	1	1	1	1	1	1	1	220.4	1	1	4	1	1	0	0
2322	1	1	1	1	1	1	1	1	1	1	219.1	1	1	4	1	1	0	0
2323	1	1	1	1	1	1	1	1	1	1	223.1	1	1	4	1	1	0	0
2324	1	1	1	1	2	1	1	1	1	1	258.0	1	1	4	1	1	0	0
2325	1	1	1	1	1	1	1	1	1	1	245.6	1	1	4	1	1	0	0

Males	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1311	1	1	1	2	3	2	1	1	1	1	835	890	**863**	345	550	**448**	5.3	6.9	**6.1**	38.0
1312	1	1	1	2	3	2	1	1	1	1	855	985	**920**	585	635	**610**	5.4	5.7	**5.6**	37.6
1313	1	1	1	2	3	2	1	1	1	1	780	915	**848**	295	295	**295**	7.9	7.8	**7.9**	38.3
1314	1	1	1	2	3	2	1	1	1	1	860	950	**905**	430	360	**395**	6.4	7.2	**6.8**	37.2
1315	1	1	1	2	3	2	1	1	1	1	840	935	**888**	560	410	**485**	8.7	9.6	**9.2**	37.3
1321	1	1	1	2	3	2	1	1	1	1	1060	1015	**1038**	365	365	**365**	9.3	8.7	**9.0**	38.1
1322	1	1	1	2	3	2	1	1	1	1	920	1035	**978**	475	485	**480**	6.3	7.1	**6.7**	38.7
1323	1	1	1	2	3	2	1	1	1	1	755	925	**840**	510	505	**508**	8.7	6.9	**7.8**	36.4
1324	1	1	1	2	3	2	1	1	1	1	930	815	**873**	385	400	**393**	8.9	8.6	**8.8**	38.1
1325	1	1	1	2	3	2	1	1	1	1	630	1145	**888**	730	805	**768**	7.6	7.3	**7.5**	38.8
Group 2 – 1000 ppm																				
2311	1	1	1	2	3	2	1	1	1	1	565	775	**670**	390	510	**450**	8.3	8.9	**8.6**	37.5
2312	1	1	1	2	3	2	1	1	1	1	735	805	**770**	430	470	**450**	5.7	7.2	**6.5**	37.4
2313	1	1	1	2	3	2	1	1	1	1	950	730	**840**	425	365	**395**	8.2	7.8	**8.0**	37.5
2314	1	1	1	2	3	2	1	1	1	1	840	935	**888**	565	495	**530**	6.6	6.3	**6.5**	37.1
2315	1	1	1	2	3	2	1	1	1	1	965	865	**915**	485	320	**403**	8.6	8.3	**8.5**	38.6
2321	1	1	1	2	3	2	1	1	1	1	995	905	**950**	595	585	**590**	5.9	5.9	**5.9**	38.4
2322	1	1	1	2	3	2	1	1	1	1	860	1000	**930**	635	550	**593**	8.2	9.9	**9.1**	37.7
2323	1	1	1	2	3	2	1	1	1	1	950	900	**925**	450	515	**483**	6.1	6.3	**6.2**	39.1
2324	1	1	1	2	3	2	1	1	1	1	775	805	**790**	550	415	**483**	7.2	6.9	**7.1**	38.2
2325	1	1	1	2	3	2	1	1	1	1	860	920	**890**	650	540	**595**	7.3	7.6	**7.5**	38.0

Males	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3311	1	1	1	1	2	1	1	1	1	1	213.2	1	1	4	1	1	0	0
3312	1	1	1	1	1	1	1	1	1	1	214.0	1	1	4	1	1	0	0
3313	1	1	1	1	2	1	1	1	1	1	215.5	1	1	4	1	1	0	0
3314	1	1	1	1	1	1	1	1	1	1	214.1	1	1	4	1	1	0	4
3315	1	1	1	1	1	1	1	1	1	1	229.9	1	1	4	1	1	0	0
3321	3	1	4	1	1	1	1	1	1	1	235.9	1	1	4	1	1	0	1
3322	1	1	1	1	2	1	1	1	1	1	222.1	1	1	4	1	1	0	0
3323	1	1	1	1	2	1	1	1	1	1	231.7	1	1	4	1	1	5	9
3324	1	1	1	1	1	1	1	1	1	1	229.9	1	1	4	1	1	0	0
3325	1	1	1	1	1	1	1	1	1	1	240.2	1	1	4	1	1	1	4
Group 4 – 10000 ppm																		
4311	1	1	1	1	1	1	1	1	1	1	218.7	1	1	4	1	1	0	0
4312	1	1	1	1	2	1	1	1	1	1	221.8	1	1	4	1	1	0	0
4313	1	1	1	1	2	1	1	1	1	1	219.5	1	1	4	1	1	0	0
4314	1	1	1	1	1	1	1	1	1	1	212.6	1	1	4	1	1	0	0
4315	1	1	1	1	1	1	1	1	1	1	232.9	1	1	4	1	1	1	0
4321	1	1	1	1	1	1	1	1	1	1	216.4	1	1	4	1	1	0	0
4322	1	1	1	1	1	1	1	1	1	1	237.0	1	1	4	1	1	0	0
4323	1	1	1	1	2	1	1	1	1	1	250.8	1	1	4	1	1	0	3
4324	1	1	1	1	1	1	1	1	1	1	237.3	1	1	4	1	1	0	0
4325	1	1	1	1	1	1	1	1	1	1	219.0	1	1	4	1	1	0	0

Males	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3311	1	1	1	2	3	2	1	1	1	1	870	850	**860**	550	585	**568**	8.3	8.4	**8.4**	37.9
3312	1	1	1	2	3	2	1	1	1	1	930	1050	**990**	510	635	**573**	7.7	6.3	**7.0**	37.8
3313	1	1	1	2	3	2	1	1	1	1	405	915	**660**	330	465	**398**	6.1	6.4	**6.3**	37.8
3314	1	1	1	2	3	2	1	1	1	1	845	950	**898**	650	470	**560**	8.6	7.3	**8.0**	37.7
3315	1	1	1	2	3	2	1	1	1	1	655	760	**708**	360	500	**430**	5.3	6.8	**6.1**	36.7
3321	1	1	1	2	3	2	1	1	1	1	785	810	**798**	490	430	**460**	7.3	8.2	**7.8**	37.8
3322	1	1	1	2	3	2	1	1	1	1	850	865	**858**	420	560	**490**	6.3	9.5	**7.9**	38.8
3323	1	1	1	2	3	2	1	1	1	1	870	950	**910**	510	375	**443**	8.2	8.8	**8.5**	38.4
3324	1	1	1	2	3	2	1	1	1	1	535	810	**673**	495	345	**420**	4.6	6.3	**5.5**	37.6
3325	1	1	1	2	3	2	1	1	1	1	945	1060	**1003**	565	620	**593**	8.2	9.8	**9.0**	38.6
Group 4 – 10000 ppm																				
4311	1	1	1	2	3	2	1	1	1	1	670	825	**748**	515	450	**483**	4.7	4.8	**4.8**	37.3
4312	1	1	1	2	3	2	1	1	1	1	805	895	**850**	630	595	**613**	6.2	8.4	**7.3**	37.7
4313	1	1	1	2	3	2	1	1	1	1	940	920	**930**	575	375	**475**	7.6	7.0	**7.3**	36.7
4314	1	1	1	2	3	2	1	1	1	1	870	925	**898**	565	605	**585**	8.6	7.3	**8.0**	38.2
4315	1	1	1	2	3	2	1	1	1	1	965	775	**870**	565	480	**523**	6.7	5.7	**6.2**	37.1
4321	1	1	1	2	3	2	1	1	1	1	900	890	**895**	480	305	**393**	6.6	7.7	**7.2**	38.2
4322	1	1	1	2	3	2	1	1	1	1	855	985	**920**	465	395	**430**	9.6	7.1	**8.4**	37.6
4323	1	1	1	2	3	2	1	1	1	1	995	980	**988**	610	520	**565**	9.2	9.9	**9.6**	39.0
4324	1	1	1	2	3	2	1	1	1	1	850	920	**885**	560	525	**543**	9.6	7.7	**8.7**	37.2
4325	1	1	1	2	3	2	1	1	1	1	880	880	**880**	575	425	**500**	5.1	6.4	**5.8**	36.9

Females	Individual Functional Observational Battery Evaluations Pretest	Appendix I

	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
Animal Number	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1811	1	1	1	1	2	1	1	1	1	1	180.2	1	1	4	1	1	0	0
1812	1	1	1	1	1	1	1	1	1	1	167.5	1	1	4	1	1	0	0
1813	1	1	1	1	1	1	1	1	1	1	195.0	1	1	4	1	1	0	0
1814	1	1	1	1	1	1	1	1	1	1	174.8	1	1	4	1	1	0	0
1815	1	1	1	1	1	1	1	1	1	1	172.6	1	1	4	1	1	0	0
1821	1	1	1	1	1	1	1	1	1	1	193.5	1	1	4	1	1	0	0
1822	1	1	1	1	1	1	1	1	1	1	183.5	1	1	4	1	1	0	0
1823	1	1	1	1	2	1	1	1	1	1	198.0	1	1	4	1	1	0	0
1824	1	1	1	1	2	1	1	1	1	1	178.3	1	1	4	1	1	0	0
1825	1	1	1	1	1	1	1	1	1	1	187.7	1	1	4	1	1	0	0
Group 2 – 1000 ppm																		
2811	1	1	1	1	1	1	1	1	1	1	176.4	1	1	4	1	1	0	0
2812	1	1	1	1	1	1	1	1	1	1	172.3	1	1	4	1	1	0	0
2813	1	1	1	1	1	1	1	1	1	1	177.3	1	1	4	1	1	0	0
2814	1	1	1	1	1	1	1	1	1	1	179.2	1	1	4	1	1	0	0
2815	1	1	1	1	1	1	1	1	1	1	186.5	1	1	4	1	1	0	0
2821	1	1	1	1	1	1	1	1	1	1	191.5	1	1	4	1	1	0	1
2822	1	1	1	1	1	1	1	1	1	1	188.7	1	1	4	1	1	0	0
2823	1	1	1	1	1	1	1	1	1	1	170.0	1	1	4	1	1	0	0
2824	1	1	1	1	2	1	1	1	1	1	204.4	1	1	4	1	1	0	0
2825	1	1	1	1	1	1	1	1	1	1	181.1	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Pretest	Appendix I

	Motor Movements			Reflex Assessments							Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
Animal Number	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Air Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1811	1	1	1	2	3	2	1	1	1	1	730	805	**768**	560	395	**478**	4.4	7.6	**6.0**	38.2
1812	1	1	1	2	3	2	1	1	1	1	685	730	**708**	425	430	**428**	6.2	8.8	**7.5**	37.1
1813	1	1	1	2	3	2	1	1	1	1	620	730	**675**	715	525	**620**	10.2	6.6	**8.4**	37.6
1814	1	1	1	2	3	2	1	1	1	1	715	915	**815**	460	555	**508**	9.6	8.8	**9.2**	37.7
1815	1	1	1	2	3	2	1	1	1	1	830	900	**865**	660	545	**603**	9.1	8.7	**8.9**	38.1
1821	1	1	1	2	3	2	1	1	1	1	855	860	**858**	415	470	**443**	5.4	6.9	**6.2**	38.4
1822	1	1	1	2	3	2	1	1	1	1	720	800	**760**	640	610	**625**	4.6	4.8	**4.7**	38.7
1823	1	1	1	2	3	2	1	1	1	1	845	1055	**950**	540	405	**473**	5.7	6.3	**6.0**	37.6
1824	1	1	1	2	3	2	1	1	1	1	1000	845	**923**	495	725	**610**	3.7	4.6	**4.2**	38.1
1825	1	1	1	2	3	2	1	1	1	1	855	840	**848**	345	705	**525**	7.3	8.4	**7.9**	38.1
Group 2 – 1000 ppm																				
2811	1	1	1	2	3	2	1	1	1	1	580	685	**633**	470	325	**398**	3.6	4.7	**4.2**	39.1
2812	1	1	1	2	3	2	1	1	1	1	870	540	**705**	585	525	**555**	6.5	6.8	**6.7**	38.3
2813	1	1	1	2	3	2	1	1	1	1	860	905	**883**	610	650	**630**	7.1	8.7	**7.9**	37.8
2814	1	1	1	2	3	2	1	1	1	1	805	870	**838**	370	510	**440**	7.1	7.9	**7.5**	38.2
2815	1	1	1	2	3	2	1	1	1	1	675	695	**685**	590	485	**538**	6.8	7.3	**7.1**	38.6
2821	1	1	1	2	3	2	1	1	1	1	720	850	**785**	685	650	**668**	5.2	5.9	**5.6**	37.9
2822	1	1	1	2	3	2	1	1	1	1	895	1025	**960**	880	840	**860**	7.9	7.3	**7.6**	37.8
2823	1	1	1	2	3	2	1	1	1	1	645	625	**635**	570	460	**515**	6.2	7.3	**6.8**	37.7
2824	1	1	1	2	3	2	1	1	1	1	735	955	**845**	470	385	**428**	5.3	5.4	**5.4**	38.5
2825	1	1	1	2	3	2	1	1	1	1	555	745	**650**	465	415	**440**	4.2	3.9	**4.1**	37.0

Females	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3811	1	1	1	1	1	1	1	1	1	1	163.6	1	1	4	1	1	0	0
3812	1	1	1	1	1	1	1	1	1	1	170.9	1	1	4	1	1	0	0
3813	1	1	1	1	1	1	1	1	1	1	189.5	1	1	4	1	1	0	0
3814	1	1	1	1	1	1	1	1	1	1	176.8	1	1	4	1	1	0	0
3815	1	1	1	1	1	1	1	1	1	1	176.0	1	1	4	1	1	0	0
3821	3	1	4	1	1	1	1	1	1	1	181.0	1	1	4	1	1	0	0
3822	1	1	1	1	1	1	1	1	1	1	187.8	1	1	4	1	1	0	0
3823	1	1	1	1	2	1	1	1	1	1	198.7	1	1	4	1	1	0	0
3824	1	1	1	1	1	1	1	1	1	1	207.2	1	1	4	1	1	0	0
3825	3	1	4	1	1	1	1	1	1	1	177.2	1	1	4	1	1	0	0
Group 4 – 10000 ppm																		
4811	1	1	1	1	1	1	1	1	1	1	166.3	1	1	4	1	1	0	0
4812	1	1	1	1	1	1	1	1	1	1	164.5	1	1	4	1	1	0	0
4813	1	1	1	1	1	1	1	1	1	1	179.3	1	1	4	1	1	0	0
4814	1	1	1	1	1	1	1	1	1	1	172.9	1	1	4	1	1	0	0
4815	1	1	1	1	1	1	1	1	1	1	183.9	1	1	4	1	1	0	0
4821	1	1	1	1	2	1	1	1	1	1	164.9	1	1	4	1	1	0	0
4822	1	1	1	1	1	1	1	1	1	1	190.0	1	1	4	1	1	0	3
4823	1	1	1	1	1	1	1	1	1	1	182.2	1	1	4	1	1	0	0
4824	1	1	1	1	2	1	1	1	1	1	187.2	1	1	4	1	1	0	0
4825	1	1	1	1	1	1	1	1	1	1	204.8	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Pretest	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3811	1	1	1	2	3	2	1	1	1	1	575	855	**715**	515	415	**465**	5.7	6.9	**6.3**	37.8
3812	1	1	1	2	3	2	1	1	1	1	760	845	**803**	270	280	**275**	7.2	6.8	**7.0**	37.9
3813	1	1	1	2	3	2	1	1	1	1	590	775	**683**	465	470	**468**	8.4	9.9	**9.2**	38.2
3814	1	1	1	2	3	2	1	1	1	1	620	780	**700**	480	520	**500**	4.6	4.1	**4.4**	37.3
3815	1	1	1	2	3	2	1	1	1	1	795	880	**838**	455	820	**638**	6.8	7.1	**7.0**	38.4
3821	1	1	1	2	3	2	1	1	1	1	515	750	**633**	440	465	**453**	4.6	5.0	**4.8**	38.4
3822	1	1	1	2	3	2	1	1	1	1	790	900	**845**	590	420	**505**	5.5	4.7	**5.1**	39.2
3823	1	1	1	2	3	2	1	1	1	1	700	975	**838**	530	475	**503**	6.4	7.8	**7.1**	39.3
3824	1	1	1	2	3	2	1	1	1	1	855	900	**878**	725	425	**575**	6.1	6.8	**6.5**	38.9
3825	1	1	1	2	3	2	1	1	1	1	810	720	**765**	490	455	**473**	6.2	5.1	**5.7**	38.3
Group 4 – 10000 ppm																				
4811	1	1	1	2	3	2	1	1	1	1	905	925	**915**	420	450	**435**	4.7	7.9	**6.3**	37.7
4812	1	1	1	2	3	2	1	1	1	1	715	715	**715**	460	285	**373**	6.2	6.7	**6.5**	37.8
4813	1	1	1	2	3	2	1	1	1	1	690	835	**763**	530	525	**528**	5.1	6.4	**5.8**	37.9
4814	1	1	1	2	3	2	1	1	1	1	580	800	**690**	295	410	**353**	4.6	5.9	**5.3**	38.1
4815	1	1	1	2	3	2	1	1	1	1	615	875	**745**	575	450	**513**	4.2	5.3	**4.8**	38.8
4821	1	1	1	2	3	2	1	1	1	1	970	1010	**990**	580	415	**498**	6.5	7.7	**7.1**	38.8
4822	1	1	1	2	3	2	1	1	1	1	1020	950	**985**	795	410	**603**	6.1	7.4	**6.8**	38.5
4823	1	1	1	2	3	2	1	1	1	1	770	800	**785**	425	410	**418**	4.6	6.2	**5.4**	38.3
4824	1	1	1	2	3	2	1	1	1	1	755	1015	**885**	595	465	**530**	3.1	4.9	**4.0**	37.1
4825	1	1	1	2	3	2	1	1	1	1	790	910	**850**	340	500	**420**	5.2	5.5	**5.4**	38.8

Males	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1311	1	1	1	1	1	1	1	1	1	1	345.2	1	1	5	2	1	3	0
1312	1	1	1	1	1	1	1	1	1	1	298.0	1	1	4	2	1	0	0
1313	1	1	1	1	1	1	1	1	1	1	296.2	1	1	4	2	1	7	5
1314	1	1	1	1	1	1	1	1	1	1	314.9	1	1	3	2	1	2	2
1315	1	1	1	1	1	1	1	1	1	1	373.5	1	1	4	2	1	0	0
1321	1	1	1	1	1	1	1	1	1	1	362.7	1	1	4	2	1	1	0
1322	1	1	1	1	1	1	1	1	1	1	296.5	1	1	3	1	1	0	0
1323	1	1	1	1	1	1	1	1	1	1	375.2	1	1	4	2	1	2	3
1324	1	1	1	1	1	1	1	1	1	1	330.3	1	1	4	1	1	0	0
1325	1	1	1	1	1	1	1	1	1	1	340.9	1	1	4	2	1	4	1
Group 2 – 1000 ppm																		
2311	1	1	1	1	1	1	1	1	1	1	303.7	1	1	4	2	1	0	5
2312	1	1	1	1	2	1	1	1	1	1	354.7	1	1	4	2	1	0	0
2313	3	1	4	1	1	1	1	1	1	1	319.0	1	1	4	2	1	3	2
2314	1	1	1	1	1	1	1	1	1	1	373.5	1	1	4	2	1	0	0
2315	1	1	1	1	1	1	1	1	1	1	295.1	1	1	4	2	1	0	3
2321	1	1	1	1	1	1	1	1	1	1	308.9	1	1	4	2	1	0	0
2322	1	1	1	1	1	1	1	1	1	1	301.3	1	1	4	2	1	3	0
2323	1	1	1	1	1	1	1	1	1	1	387.0	1	1	4	2	1	0	0
2324	1	1	1	1	1	1	1	1	1	1	397.9	1	1	4	2	1	5	0
2325	1	1	1	1	1	1	1	1	1	1	325.0	1	1	4	2	1	0	0

Males	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1311	1	1	1	2	3	2	1	1	1	1	1180	1045	**1113**	755	670	**713**	7.2	7.4	**7.3**	37.5
1312	1	1	1	2	3	2	1	1	1	1	720	660	**690**	465	705	**585**	7.1	8.4	**7.8**	37.5
1313	1	1	1	2	3	2	1	1	1	1	1295	1350	**1323**	705	410	**558**	9.6	8.9	**9.3**	37.7
1314	1	1	1	2	3	2	1	1	1	1	1215	1180	**1198**	630	465	**548**	6.0	6.8	**6.4**	37.8
1315	1	1	1	2	3	2	1	1	1	1	1260	1045	**1153**	760	750	**755**	8.5	9.5	**9.0**	36.7
1321	1	1	1	2	3	2	1	1	1	1	1265	1190	**1228**	660	855	**758**	6.6	7.2	**6.9**	37.0
1322	1	1	1	2	3	2	1	1	1	1	1135	1125	**1130**	860	905	**883**	5.7	8.6	**7.2**	36.7
1323	1	1	1	2	3	2	1	1	1	1	1005	710	**858**	790	760	**775**	8.7	6.7	**7.7**	36.6
1324	1	1	1	2	3	2	1	1	1	1	1145	1270	**1208**	410	450	**430**	6.7	5.8	**6.3**	36.1
1325	1	1	1	2	3	2	1	1	1	1	1470	1195	**1333**	765	795	**780**	7.8	8.2	**8.0**	36.6
Group 2 – 1000 ppm																				
2311	1	1	1	2	3	2	1	1	1	1	1310	1205	**1258**	780	720	**750**	8.6	8.8	**8.7**	36.7
2312	1	1	1	2	3	2	1	1	1	1	1075	855	**965**	665	640	**653**	7.0	9.5	**8.3**	35.5
2313	1	1	1	2	3	2	1	1	1	1	1140	705	**923**	820	400	**610**	8.3	8.2	**8.3**	37.5
2314	1	1	1	2	3	2	1	1	1	1	895	1100	**998**	660	400	**530**	5.6	7.6	**6.6**	37.6
2315	1	1	1	2	3	2	1	1	1	1	1390	785	**1088**	870	710	**790**	8.1	8.7	**8.4**	35.4
2321	1	1	1	2	3	2	1	1	1	1	1130	740	**935**	645	665	**655**	4.3	6.7	**5.5**	36.6
2322	1	1	1	2	3	2	1	1	1	1	1165	1110	**1138**	1065	810	**938**	8.8	6.9	**7.9**	37.6
2323	1	1	1	2	3	2	1	1	1	1	1140	710	**925**	840	635	**738**	6.5	5.2	**5.9**	37.2
2324	1	1	1	2	3	2	1	1	1	1	705	1215	**960**	960	905	**933**	7.4	7.1	**7.3**	37.1
2325	1	1	1	2	3	2	1	1	1	1	1030	1095	**1063**	800	735	**768**	7.7	9.7	**8.7**	36.1

Males	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3311	3	1	4	1	1	1	1	1	1	1	325.6	1	1	4	2	1	0	0
3312	1	1	1	1	1	1	1	1	1	1	310.2	1	1	4	2	1	3	1
3313	1	1	1	1	2	1	1	1	1	1	313.6	1	1	4	2	1	3	4
3314	1	1	1	1	1	1	1	1	1	1	307.3	1	1	3	2	1	3	0
3315	1	1	1	1	1	1	1	1	1	1	356.1	1	1	4	2	1	0	0
3321	1	1	1	1	1	1	1	1	1	1	338.9	1	1	4	2	1	0	0
3322	1	1	1	1	1	1	1	1	1	1	334.7	1	1	4	2	1	0	3
3323	1	1	1	1	1	1	1	1	1	1	355.4	1	1	3	1	1	3	0
3324	3	1	4	1	1	1	1	1	1	1	342.7	1	1	4	2	1	0	6
3325	1	1	1	1	1	1	1	1	1	1	325.8	1	1	4	2	1	6	0
Group 4 – 10000 ppm																		
4311	1	1	1	1	1	1	1	1	1	1	322.7	1	1	4	2	1	0	0
4312	1	1	1	1	1	1	1	1	1	1	353.6	1	1	4	1	1	0	0
4313	1	1	1	1	1	1	1	1	1	1	338.9	1	1	4	2	1	0	0
4314	3	1	4	1	1	1	1	1	1	1	322.7	1	1	4	2	1	0	0
4315	1	1	1	1	1	1	1	1	1	1	336.3	1	1	4	2	1	1	0
4321	3	1	4	1	1	1	1	1	1	1	318.4	1	1	4	2	1	0	1
4322	3	1	4	1	1	1	1	1	1	1	335.3	1	1	4	2	1	0	0
4323	1	1	1	1	1	1	1	1	1	1	372.9	1	1	4	2	1	3	0
4324	1	1	1	1	2	1	1	1	1	1	326.1	1	1	4	2	1	6	0
4325	3	1	4	1	1	1	1	1	1	1	315.4	1	1	3	2	1	0	0

Males	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3311	1	1	1	2	3	2	1	1	1	1	1115	1015	**1065**	695	875	**785**	8.2	10.3	**9.3**	37.0
3312	1	1	1	2	3	2	1	1	1	1	1495	955	**1225**	610	655	**633**	7.6	7.9	**7.8**	37.5
3313	1	1	1	2	3	2	1	1	1	1	1170	1140	**1155**	490	675	**583**	6.0	6.9	**6.5**	37.4
3314	1	1	1	2	3	2	1	1	1	1	955	1100	**1028**	695	605	**650**	5.7	8.3	**7.0**	38.0
3315	1	1	1	2	3	2	1	1	1	1	1000	805	**903**	705	845	**775**	5.2	7.3	**6.3**	36.7
3321	1	1	1	2	3	2	1	1	1	1	1150	675	**913**	520	460	**490**	7.1	6.9	**7.0**	36.2
3322	1	1	1	2	3	2	1	1	1	1	1090	835	**963**	700	415	**558**	5.7	6.5	**6.1**	37.3
3323	1	1	1	2	3	2	1	1	1	1	1050	1030	**1040**	330	260	**295**	8.2	9.4	**8.8**	36.5
3324	1	1	1	2	3	2	1	1	1	1	1245	965	**1105**	665	310	**488**	7.2	6.9	**7.1**	36.0
3325	1	1	1	2	3	2	1	1	1	1	1350	1205	**1278**	550	650	**600**	7.5	10.3	**8.9**	36.5
Group 4 – 10000 ppm																				
4311	1	1	1	2	3	2	1	1	1	1	1155	1050	**1103**	515	465	**490**	4.2	4.7	**4.5**	38.1
4312	1	1	1	2	3	2	1	1	1	1	1100	1215	**1158**	620	730	**675**	8.2	9.7	**9.0**	37.0
4313	1	1	1	2	3	2	1	1	1	1	1020	1190	**1105**	645	615	**630**	6.6	6.9	**6.8**	37.0
4314	1	1	1	2	3	2	1	1	1	1	1020	1230	**1125**	625	570	**598**	5.1	6.8	**6.0**	37.8
4315	1	1	1	2	3	2	1	1	1	1	1105	1195	**1150**	835	730	**783**	7.2	7.1	**7.2**	38.7
4321	1	1	1	2	3	2	1	1	1	1	1140	950	**1045**	605	395	**500**	5.5	7.3	**6.4**	36.7
4322	1	1	1	2	3	2	1	1	1	1	1290	1195	**1243**	895	690	**793**	6.4	7.3	**6.9**	36.0
4323	1	1	1	2	3	2	1	1	1	1	1310	1150	**1230**	640	545	**593**	8.5	9.2	**8.9**	36.7
4324	1	1	1	2	3	2	1	1	1	1	1145	1225	**1185**	980	555	**768**	6.7	9.5	**8.1**	37.2
4325	1	1	1	2	3	2	1	1	1	1	1055	580	**818**	610	620	**615**	5.7	6.3	**6.0**	37.6

Females	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1811	1	1	1	1	2	1	1	1	1	1	234.6	1	1	4	1	1	0	0
1812	1	1	1	1	1	1	1	1	1	1	232.1	1	1	5	1	1	0	0
1813	1	1	1	1	1	1	1	1	1	1	248.8	1	1	4	1	1	0	0
1814	1	1	1	1	1	1	1	1	1	1	222.3	1	1	4	1	1	0	0
1815	1	1	1	1	1	1	1	1	1	1	237.2	1	1	4	1	1	0	0
1821	1	1	1	1	1	1	1	1	1	1	253.7	1	1	4	1	1	0	0
1822	1	1	1	1	1	1	1	1	1	1	234.4	1	1	4	1	1	0	0
1823	3	1	4	1	1	1	1	1	1	1	252.3	1	1	4	2	1	0	0
1824	1	1	1	1	1	1	1	1	1	1	226.6	1	1	4	1	1	0	0
1825	1	1	1	1	1	1	1	1	1	1	246.4	1	1	4	1	1	0	0
Group 2 – 1000 ppm																		
2811	1	1	1	1	1	1	1	1	1	1	220.6	1	1	4	1	1	0	0
2812	1	1	1	1	1	1	1	1	1	1	228.2	1	1	4	1	1	0	0
2813	1	1	1	1	1	1	1	1	1	1	232.4	1	1	4	1	1	0	0
2814	1	1	1	1	1	1	1	1	1	1	240.3	1	1	4	2	1	0	0
2815	1	1	1	1	1	1	1	1	1	1	232.7	1	1	4	2	1	0	0
2821	1	1	1	1	1	1	1	1	1	1	239.7	1	1	4	1	1	0	0
2822	1	1	1	1	1	1	1	1	1	1	237.7	1	1	4	1	1	0	0
2823	1	1	1	1	1	1	1	1	1	1	230.0	1	1	4	2	1	0	0
2824	1	1	1	1	1	1	1	1	1	1	266.5	1	1	4	2	1	0	0
2825	1	1	1	1	1	1	1	1	1	1	234.9	1	1	5	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1811	1	1	1	2	3	2	1	1	1	1	1045	1125	**1085**	650	630	**640**	7.3	8.4	**7.9**	38.0
1812	1	1	1	2	3	2	1	1	1	1	1065	1050	**1058**	705	725	**715**	7.2	8.2	**7.7**	38.2
1813	1	1	1	2	3	2	1	1	1	1	1100	1050	**1075**	840	415	**628**	8.2	7.9	**8.1**	38.9
1814	1	1	1	2	3	2	1	1	1	1	1100	1110	**1105**	545	315	**430**	7.1	8.2	**7.7**	38.5
1815	1	1	1	2	3	2	1	1	1	1	1230	1015	**1123**	940	720	**830**	7.5	9.1	**8.3**	37.1
1821	1	1	1	2	3	2	1	1	1	1	1120	1080	**1100**	665	595	**630**	6.2	6.8	**6.5**	37.1
1822	1	1	1	2	3	2	1	1	1	1	1130	995	**1063**	740	960	**850**	5.5	7.3	**6.4**	38.9
1823	1	1	1	2	3	2	1	1	1	1	1240	1125	**1183**	685	650	**668**	7.1	7.4	**7.3**	37.0
1824	1	1	1	2	3	2	1	1	1	1	1150	1060	**1105**	895	920	**908**	5.5	7.2	**6.4**	38.1
1825	1	1	1	2	3	2	1	1	1	1	1175	1305	**1240**	785	980	**883**	6.6	8.9	**7.8**	37.3
Group 2 – 1000 ppm																				
2811	1	1	1	2	3	2	1	1	1	1	785	560	**673**	790	520	**655**	4.6	4.3	**4.5**	38.6
2812	1	1	1	2	3	2	1	1	1	1	1250	1050	**1150**	685	640	**663**	5.9	4.9	**5.4**	38.7
2813	1	1	1	2	3	2	1	1	1	1	1020	1060	**1040**	505	455	**480**	9.3	10.7	**10.0**	38.8
2814	1	1	1	2	3	2	1	1	1	1	1240	1180	**1210**	875	615	**745**	5.6	7.2	**6.4**	37.8
2815	1	1	1	2	3	2	1	1	1	1	1005	1300	**1153**	640	605	**623**	7.3	9.4	**8.4**	38.7
2821	1	1	1	2	3	2	1	1	1	1	1020	900	**960**	875	630	**753**	6.3	6.8	**6.6**	38.7
2822	1	1	1	2	3	2	1	1	1	1	1140	940	**1040**	520	500	**510**	6.2	7.1	**6.7**	37.9
2823	1	1	1	2	3	2	1	1	1	1	735	770	**753**	670	570	**620**	4.6	6.5	**5.6**	36.7
2824	1	1	1	2	3	2	1	1	1	1	910	900	**905**	895	580	**738**	5.3	6.8	**6.1**	37.8
2825	1	1	1	2	3	2	1	1	1	1	670	910	**790**	770	670	**720**	4.2	4.3	**4.3**	37.7

Females	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3811	1	1	1	1	1	1	1	1	1	1	224.2	1	1	4	1	1	0	0
3812	1	1	1	1	1	1	1	1	1	1	246.9	1	1	5	1	1	0	0
3813	1	1	1	1	1	1	1	1	1	1	254.7	1	1	4	2	1	0	0
3814	1	1	1	1	1	1	1	1	1	1	202.8	1	1	4	1	1	0	0
3815	1	1	1	1	2	1	1	1	1	1	217.9	1	1	4	1	1	0	0
3821	1	1	1	1	1	1	1	1	1	1	233.8	1	1	4	1	1	0	0
3822	1	1	1	1	1	1	1	1	1	1	236.2	1	1	4	1	1	0	0
3823	1	1	1	1	1	1	1	1	1	1	243.2	1	1	5	1	1	0	0
3824	1	1	1	1	1	1	1	1	1	1	256.1	1	1	4	1	1	0	0
3825	1	1	1	1	2	1	1	1	1	1	241.8	1	1	4	1	1	0	0
Group 4 – 10000 ppm																		
4811	1	1	1	1	1	1	1	1	1	1	227.0	1	1	4	1	1	0	0
4812	1	1	1	1	1	1	1	1	1	1	228.9	1	1	4	1	1	0	0
4813	1	1	1	1	1	1	1	1	1	1	228.3	1	1	4	1	1	0	0
4814	1	1	1	1	1	1	1	1	1	1	211.9	1	1	4	2	1	0	0
4815	1	1	1	1	1	1	1	1	1	1	229.0	1	1	4	1	1	0	0
4821	1	1	1	1	1	1	1	1	1	1	203.5	1	1	4	1	1	0	0
4822	1	1	1	1	1	1	1	1	1	1	244.1	1	1	4	2	1	0	0
4823	1	1	1	1	1	1	1	1	1	1	230.7	1	1	4	1	1	0	0
4824	1	1	1	1	1	1	1	1	1	1	231.8	1	1	4	1	1	0	0
4825	1	1	1	1	1	1	1	1	1	1	250.0	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 2	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3811	1	1	1	2	3	2	1	1	1	1	1100	1095	**1098**	650	490	**570**	5.7	7.6	**6.7**	38.1
3812	1	1	1	2	3	2	1	1	1	1	1020	745	**883**	400	500	**450**	4.2	5.7	**5.0**	37.9
3813	1	1	1	2	3	2	1	1	1	1	1110	1115	**1113**	745	620	**683**	7.3	8.2	**7.8**	38.1
3814	1	1	1	2	3	2	1	1	1	1	1110	1055	**1083**	670	660	**665**	5.2	4.5	**4.9**	39.3
3815	1	1	1	2	3	2	1	1	1	1	1100	735	**918**	945	720	**833**	5.0	7.1	**6.1**	38.0
3821	1	1	1	2	3	2	1	1	1	1	640	705	**673**	570	590	**580**	4.9	5.5	**5.2**	37.0
3822	1	1	1	2	3	2	1	1	1	1	985	1000	**993**	675	600	**638**	7.1	6.8	**7.0**	38.8
3823	1	1	1	2	3	2	1	1	1	1	1185	1070	**1128**	735	610	**673**	5.7	4.8	**5.3**	38.0
3824	1	1	1	2	3	2	1	1	1	1	1220	1260	**1240**	700	835	**768**	5.0	6.7	**5.9**	38.5
3825	1	1	1	2	3	2	1	1	1	1	905	570	**738**	795	915	**855**	5.9	5.6	**5.8**	38.9
Group 4 – 10000 ppm																				
4811	1	1	1	2	3	2	1	1	1	1	1095	1130	**1113**	410	450	**430**	6.5	5.8	**6.2**	39.2
4812	1	1	1	2	3	2	1	1	1	1	965	910	**938**	460	415	**438**	6.3	7.7	**7.0**	38.6
4813	1	1	1	2	3	2	1	1	1	1	935	775	**855**	510	515	**513**	6.2	7.5	**6.9**	36.6
4814	1	1	1	2	3	2	1	1	1	1	1185	1060	**1123**	535	600	**568**	5.8	6.1	**6.0**	38.1
4815	1	1	1	2	3	2	1	1	1	1	1090	935	**1013**	845	755	**800**	4.6	5.6	**5.1**	38.5
4821	1	1	1	2	3	2	1	1	1	1	1115	1335	**1225**	535	665	**600**	6.2	4.9	**5.6**	38.0
4822	1	1	1	2	3	2	1	1	1	1	1220	1305	**1263**	945	735	**840**	5.7	5.5	**5.6**	36.9
4823	1	1	1	2	3	2	1	1	1	1	1045	925	**985**	605	530	**568**	5.6	5.9	**5.8**	37.7
4824	1	1	1	2	3	2	1	1	1	1	1065	615	**840**	445	505	**475**	4.8	4.7	**4.8**	38.2
4825	1	1	1	2	3	2	1	1	1	1	900	1075	**988**	765	665	**715**	5.8	5.7	**5.8**	37.8

Males	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1311	1	1	1	1	1	1	1	1	1	1	415.0	1	1	4	2	1	0	1
1312	1	1	1	1	1	1	2	1	1	1	337.8	1	1	4	2	1	0	1
1313	1	1	1	1	1	1	1	1	1	1	342.6	1	1	3	2	1	5	3
1314	1	1	1	1	1	1	1	1	1	1	395.2	1	1	4	2	1	0	0
1315	1	1	1	1	1	1	1	1	1	1	444.7	1	1	4	2	1	0	1
1321	1	1	1	1	1	1	1	1	1	1	431.6	1	1	4	2	1	1	4
1322	1	1	1	1	1	1	1	1	1	1	349.8	1	1	3	2	1	1	0
1323	1	1	1	1	1	1	1	1	1	1	464.8	1	1	4	2	1	3	5
1324	1	1	1	1	1	1	1	1	1	1	384.0	1	1	4	2	1	1	0
1325	1	1	1	1	1	1	1	1	1	1	391.0	1	1	4	2	1	2	7
Group 2 – 1000 ppm																		
2311	1	1	1	1	1	1	1	1	1	1	365.0	1	1	4	2	1	3	1
2312	1	1	1	1	2	1	1	1	1	1	440.9	1	1	4	1	1	0	0
2313	1	1	1	1	1	1	1	1	1	1	376.2	1	1	4	2	1	2	4
2314	1	1	1	1	1	1	1	1	1	1	455.3	1	1	4	1	1	0	0
2315	1	1	1	1	1	1	1	1	1	1	350.1	1	1	4	2	1	0	0
2321	1	1	1	1	1	1	1	1	1	1	360.5	1	1	4	2	1	0	1
2322	1	1	1	1	2	1	1	1	1	1	357.1	1	1	3	2	1	2	2
2323	1	1	1	1	1	1	1	1	1	1	385.2	1	1	4	2	1	0	3
2324	1	1	1	1	1	1	1	1	1	1	481.6	1	1	4	2	1	1	2
2325	1	1	1	1	1	1	1	1	1	1	456.8	1	1	4	2	1	0	0

Males	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1311	1	1	1	2	3	2	1	1	1	1	980	860	**920**	630	560	**595**	7.9	8.3	**8.1**	36.9
1312	1	1	1	2	3	2	1	1	1	1	1415	1095	**1255**	685	995	**840**	7.2	7.9	**7.6**	36.9
1313	1	1	1	2	3	2	1	1	1	1	1040	465	**753**	405	660	**533**	6.2	6.9	**6.6**	35.9
1314	1	1	1	2	3	2	1	1	1	1	760	1085	**923**	845	625	**735**	5.2	5.9	**5.6**	35.4
1315	1	1	1	2	3	2	1	1	1	1	1180	1040	**1110**	590	570	**580**	7.7	8.7	**8.2**	36.0
1321	1	1	1	2	3	2	1	1	1	1	815	1120	**968**	940	1040	**990**	7.0	9.4	**8.2**	35.5
1322	1	1	1	2	3	2	1	1	1	1	1105	1010	**1058**	790	955	**873**	7.0	7.9	**7.5**	36.6
1323	1	1	1	2	3	2	1	1	1	1	615	720	**668**	580	880	**730**	6.7	7.3	**7.0**	35.8
1324	1	1	1	2	3	2	1	1	1	1	915	535	**725**	560	470	**515**	6.7	7.2	**7.0**	35.7
1325	1	1	1	2	3	2	1	1	1	1	1000	915	**958**	755	1065	**910**	7.1	7.2	**7.2**	35.1
Group 2 – 1000 ppm																				
2311	1	1	1	2	3	2	1	1	1	1	745	375	**560**	505	415	**460**	7.2	8.7	**8.0**	37.4
2312	1	1	1	2	3	2	1	1	1	1	565	880	**723**	655	680	**668**	5.2	7.3	**6.3**	36.8
2313	1	1	1	2	3	2	1	1	1	1	1160	1020	**1090**	785	425	**605**	5.6	5.4	**5.5**	36.1
2314	1	1	1	2	3	2	1	1	1	1	775	575	**675**	375	460	**418**	4.7	6.8	**5.8**	37.4
2315	1	1	1	2	3	2	1	1	1	1	1150	1085	**1118**	420	765	**593**	8.7	9.3	**9.0**	35.7
2321	1	1	1	2	3	2	1	1	1	1	1220	550	**885**	605	625	**615**	5.4	6.6	**6.0**	37.6
2322	1	1	1	2	3	2	1	1	1	1	1060	1165	**1113**	910	760	**835**	7.3	7.6	**7.5**	35.2
2323	1	1	1	2	3	2	1	1	1	1	740	445	**593**	930	620	**775**	6.3	6.7	**6.5**	37.3
2324	1	1	1	2	3	2	1	1	1	1	1075	1155	**1115**	1250	1095	**1173**	5.3	7.6	**6.5**	36.0
2325	1	1	1	2	3	2	1	1	1	1	900	1035	**968**	990	770	**880**	7.1	8.9	**8.0**	34.9

Males	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3311	1	1	1	1	1	1	1	1	1	1	393.3	1	1	4	2	1	5	4
3312	1	1	1	1	1	1	1	1	1	1	370.1	1	1	3	2	1	0	1
3313	1	1	1	1	2	1	1	1	1	1	356.3	1	1	3	2	1	1	2
3314	1	1	1	1	1	1	1	1	1	1	374.5	1	1	4	2	1	0	6
3315	1	1	1	1	1	1	1	1	1	1	424.8	1	1	4	1	1	0	0
3321	1	1	1	1	1	1	1	1	1	1	404.9	1	1	4	2	1	0	0
3322	1	1	1	1	1	1	1	1	1	1	402.9	1	1	4	1	1	0	6
3323	1	1	1	1	1	1	1	1	1	1	432.7	1	1	3	1	1	4	1
3324	1	1	1	1	1	1	1	1	1	1	393.6	1	1	4	1	1	0	4
3325	1	1	1	1	1	1	1	1	1	1	378.5	1	1	4	2	1	3	2
Group 4 – 10000 ppm																		
4311	1	1	1	1	1	1	1	1	1	1	396.2	1	1	4	2	1	0	4
4312	1	1	1	1	1	1	1	1	1	1	443.5	1	1	4	2	1	0	0
4313	1	1	1	1	1	1	1	1	1	1	410.8	1	1	4	2	1	0	0
4314	1	1	1	1	1	1	1	1	1	1	387.8	1	1	4	1	1	5	0
4315	1	1	1	1	1	1	1	1	1	1	397.8	1	1	4	2	1	0	3
4321	1	1	1	1	1	1	1	1	1	1	373.3	1	1	4	2	1	0	2
4322	1	1	1	1	1	1	1	1	1	1	400.2	1	1	4	2	1	4	1
4323	1	1	1	1	1	1	1	1	1	1	440.0	1	1	4	1	1	2	4
4324	1	1	1	1	1	1	1	1	1	1	367.1	1	1	4	2	1	3	1
4325	1	1	1	1	1	1	1	1	1	1	362.8	1	1	3	2	1	6	0

Males	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3311	1	1	1	2	3	2	1	1	1	1	1170	1175	**1173**	735	490	**613**	10.3	11.4	**10.9**	36.3
3312	1	1	1	2	3	2	1	1	1	1	855	1125	**990**	695	660	**678**	4.5	5.4	**5.0**	34.4
3313	1	1	1	2	3	2	1	1	1	1	1085	640	**863**	875	835	**855**	6.8	7.3	**7.1**	35.9
3314	1	1	1	2	3	2	1	1	1	1	1115	1050	**1083**	510	500	**505**	5.6	6.7	**6.2**	35.8
3315	1	1	1	2	3	2	1	1	1	1	700	805	**753**	470	610	**540**	5.9	7.2	**6.6**	37.4
3321	1	1	1	2	3	2	1	1	1	1	1080	660	**870**	715	565	**640**	5.4	6.7	**6.1**	36.3
3322	1	1	1	2	3	2	1	1	1	1	990	1180	**1085**	390	490	**440**	7.8	5.7	**6.8**	37.3
3323	1	1	1	2	3	2	1	1	1	1	1150	365	**758**	680	315	**498**	8.3	9.4	**8.9**	35.8
3324	1	1	1	2	3	2	1	1	1	1	1045	770	**908**	410	500	**455**	6.7	7.7	**7.2**	35.7
3325	1	1	1	2	3	2	1	1	1	1	1120	840	**980**	830	690	**760**	7.9	7.2	**7.6**	35.9
Group 4 – 10000 ppm																				
4311	1	1	1	2	3	2	1	1	1	1	1065	1000	**1033**	795	740	**768**	4.3	5.7	**5.0**	36.7
4312	1	1	1	2	3	2	1	1	1	1	1110	1375	**1243**	465	1135	**800**	8.7	8.3	**8.5**	36.0
4313	1	1	1	2	3	2	1	1	1	1	1270	1000	**1135**	610	605	**608**	8.6	7.4	**8.0**	36.1
4314	1	1	1	2	3	2	1	1	1	1	560	1155	**858**	535	520	**528**	4.3	5.3	**4.8**	37.4
4315	1	1	1	2	3	2	1	1	1	1	1045	1045	**1045**	650	545	**598**	6.1	6.3	**6.2**	37.4
4321	1	1	1	2	3	2	1	1	1	1	1005	1185	**1095**	660	510	**585**	7.2	7.4	**7.3**	36.1
4322	1	1	1	2	3	2	1	1	1	1	1245	1040	**1143**	560	550	**555**	7.0	6.8	**6.9**	37.0
4323	1	1	1	2	3	2	1	1	1	1	1145	1300	**1223**	805	985	**895**	9.3	9.4	**9.4**	35.8
4324	1	1	1	2	3	2	1	1	1	1	1425	1435	**1430**	1070	745	**908**	7.6	8.9	**8.3**	37.7
4325	1	1	1	2	3	2	1	1	1	1	1065	1085	**1075**	550	815	**683**	5.6	6.8	**6.2**	35.3

Females	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1811	1	1	1	1	1	1	1	1	1	1	276.6	1	1	4	1	1	0	0
1812	1	1	1	1	1	1	1	1	1	1	268.6	1	1	4	2	1	0	0
1813	1	1	1	1	1	1	1	1	1	1	279.1	1	1	4	1	1	0	0
1814	1	1	1	1	1	1	1	1	1	1	240.0	1	1	4	1	1	0	0
1815	1	1	1	1	1	1	1	1	1	1	267.4	1	1	4	1	1	0	0
1821	1	1	1	1	1	1	1	1	1	1	293.8	1	1	4	2	1	0	0
1822	1	1	1	1	1	1	1	1	1	1	254.4	1	1	5	1	1	0	0
1823	1	1	1	1	1	1	1	1	1	1	285.3	1	1	4	2	1	0	0
1824	1	1	1	1	1	1	1	1	1	1	266.9	1	1	4	2	1	0	0
1825	3	1	1	1	1	1	1	1	1	1	271.6	1	1	4	1	1	0	0
Group 2 – 1000 ppm																		
2811	1	1	1	1	1	1	1	1	1	1	264.2	1	1	4	1	1	0	0
2812	1	1	1	1	1	1	1	1	1	1	251.9	1	1	4	1	1	0	0
2813	1	1	1	1	1	1	1	1	1	1	262.8	1	1	4	2	1	0	0
2814	1	1	1	1	1	1	1	1	1	1	278.1	1	1	4	2	1	0	0
2815	1	1	1	1	1	1	1	1	1	1	277.3	1	1	4	2	1	0	0
2821	1	1	1	1	1	1	1	1	1	1	274.1	1	1	4	2	1	0	0
2822	1	1	1	1	1	1	1	1	1	1	269.2	1	1	4	1	1	0	0
2823	1	1	1	1	1	1	1	1	1	1	257.6	1	1	4	1	1	0	0
2824	1	1	1	1	1	1	1	1	1	1	269.6	1	1	4	2	1	0	0
2825	1	1	1	1	1	1	1	1	1	1	260.5	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1811	1	1	1	2	3	2	1	1	1	1	995	1025	**1010**	820	575	**698**	6.7	6.9	**6.8**	37.1
1812	1	1	1	2	3	2	1	1	1	1	1225	1065	**1145**	880	510	**695**	9.6	9.9	**9.8**	38.0
1813	1	1	1	2	3	2	1	1	1	1	1150	860	**1005**	585	495	**540**	6.7	5.6	**6.2**	36.6
1814	1	1	1	2	3	2	1	1	1	1	385	535	**460**	450	515	**483**	7.1	8.2	**7.7**	37.1
1815	1	1	1	2	3	2	1	1	1	1	710	985	**848**	605	355	**480**	6.1	7.2	**6.7**	36.0
1821	1	1	1	2	3	2	1	1	1	1	1020	935	**978**	645	670	**658**	4.7	5.9	**5.3**	36.2
1822	1	1	1	2	3	2	1	1	1	1	1200	1100	**1150**	720	795	**758**	9.7	5.7	**7.7**	37.2
1823	1	1	1	2	3	2	1	1	1	1	755	990	**873**	755	830	**793**	6.3	8.2	**7.3**	36.8
1824	1	1	1	2	3	2	1	1	1	1	945	895	**920**	840	690	**765**	5.2	6.3	**5.8**	37.2
1825	1	1	1	2	3	2	1	1	1	1	880	1100	**990**	610	560	**585**	6.1	5.7	**5.9**	35.7
Group 2 – 1000 ppm																				
2811	1	1	1	2	3	2	1	1	1	1	750	515	**633**	925	610	**768**	3.9	5.7	**4.8**	38.5
2812	1	1	1	2	3	2	1	1	1	1	1100	1050	**1075**	710	290	**500**	4.6	5.4	**5.0**	38.3
2813	1	1	1	2	3	2	1	1	1	1	1095	1050	**1073**	725	505	**615**	5.8	8.1	**7.0**	38.3
2814	1	1	1	2	3	2	1	1	1	1	520	1000	**760**	595	525	**560**	6.2	6.7	**6.5**	37.9
2815	1	1	1	2	3	2	1	1	1	1	855	475	**665**	610	610	**610**	7.8	7.9	**7.9**	37.9
2821	1	1	1	2	3	2	1	1	1	1	950	975	**963**	900	590	**745**	6.7	5.2	**6.0**	38.0
2822	1	1	1	2	3	2	1	1	1	1	955	1095	**1025**	700	775	**738**	7.1	7.9	**7.5**	38.1
2823	1	1	1	2	3	2	1	1	1	1	860	785	**823**	805	675	**740**	6.8	6.4	**6.6**	35.2
2824	1	1	1	2	3	2	1	1	1	1	545	590	**568**	650	610	**630**	5.7	6.5	**6.1**	36.6
2825	1	1	1	2	3	2	1	1	1	1	975	505	**740**	505	425	**465**	3.9	4.3	**4.1**	36.5

Females	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3811	1	1	1	1	1	1	1	1	1	1	255.3	1	1	4	2	1	0	0
3812	1	1	1	1	1	1	1	1	1	1	269.7	3-1	1	4	1	1	0	0
3813	1	1	1	1	1	1	1	1	1	1	288.6	1	1	4	1	1	0	0
3814	1	1	1	1	1	1	1	1	1	1	238.2	1	1	4	2	1	0	0
3815	1	1	1	1	2	1	1	1	1	1	265.3	1	1	4	2	1	0	0
3821	1	1	1	1	1	1	1	1	1	1	248.5	1	1	4	1	1	0	0
3822	1	1	1	1	1	1	1	1	1	1	274.4	1	1	4	1	1	0	0
3823	1	1	1	1	1	1	1	1	1	1	273.4	1	1	4	1	1	0	0
3824	1	1	1	1	1	1	1	1	1	1	282.7	1	1	4	1	1	0	0
3825	1	1	1	1	1	1	1	1	1	1	249.8	1	1	4	1	1	0	0
Group 4 – 10000 ppm																		
4811	1	1	1	1	1	1	1	1	1	1	245.3	1	1	4	1	1	0	0
4812	1	1	1	1	1	1	1	1	1	1	259.5	1	1	4	2	1	0	0
4813	3	1	4	1	1	1	1	1	1	1	264.2	1	1	4	2	1	0	0
4814	1	1	1	1	1	1	1	1	1	1	244.0	1	1	4	1	1	0	0
4815	1	1	1	1	1	1	1	1	1	1	249.7	1	1	4	1	1	0	0
4821	1	1	1	1	1	1	1	1	1	1	246.9	1	1	4	2	1	0	0
4822	1	1	1	1	1	1	1	1	1	1	269.2	1	1	4	2	1	0	0
4823	1	1	1	1	1	1	1	1	1	1	261.5	1	1	4	1	1	0	0
4824	1	1	1	1	1	1	1	1	1	1	267.4	1	1	4	1	1	0	0
4825	1	1	1	1	1	1	1	1	1	1	287.9	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 4	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3- 5000 ppm																				
3811	1	1	1	2	3	2	1	1	1	1	1190	1240	**1215**	945	605	**775**	5.7	5.8	**5.8**	38.0
3812	1	1	1	2	3	2	1	1	1	1	995	1040	**1018**	400	295	**348**	6.2	6.8	**6.5**	38.0
3813	1	1	1	2	3	2	1	1	1	1	585	905	**745**	705	655	**680**	7.3	7.6	**7.5**	37.8
3814	1	1	1	2	3	2	1	1	1	1	805	550	**678**	710	590	**650**	5.7	5.2	**5.5**	38.9
3815	1	1	1	2	3	2	1	1	1	1	1145	1070	**1108**	805	615	**710**	6.1	7.9	**7.0**	38.2
3821	1	1	1	2	3	2	1	1	1	1	770	750	**760**	550	575	**563**	4.7	5.3	**5.0**	37.2
3822	1	1	1	2	3	2	1	1	1	1	1215	1100	**1158**	705	765	**735**	6.3	5.2	**5.8**	35.8
3823	1	1	1	2	3	2	1	1	1	1	1090	1125	**1108**	810	1650	**1230**	9.0	8.3	**8.7**	37.3
3824	1	1	1	2	3	2	1	1	1	1	770	1145	**958**	800	850	**825**	5.9	5.8	**5.9**	38.3
3825	1	1	1	2	3	2	1	1	1	1	1110	475	**793**	675	690	**683**	5.8	6.7	**6.3**	37.4
Group 4 – 10000 ppm																				
4811	1	1	1	2	3	2	1	1	1	1	875	755	**815**	995	730	**863**	6.3	5.6	**6.0**	38.0
4812	1	1	1	2	3	2	1	1	1	1	850	855	**853**	585	375	**480**	6.0	7.8	**6.9**	37.9
4813	1	1	1	2	3	2	1	1	1	1	645	915	**780**	705	525	**615**	6.6	8.1	**7.4**	37.8
4814	1	1	1	2	3	2	1	1	1	1	415	855	**635**	615	645	**630**	5.3	6.3	**5.8**	38.1
4815	1	1	1	2	3	2	1	1	1	1	385	635	**510**	660	590	**625**	4.2	4.4	**4.3**	39.3
4821	1	1	1	2	3	2	1	1	1	1	950	1160	**1055**	905	1085	**995**	5.2	5.6	**5.4**	37.6
4822	1	1	1	2	3	2	1	1	1	1	1100	1130	**1115**	1030	705	**868**	6.5	7.2	**6.9**	37.7
4823	1	1	1	2	3	2	1	1	1	1	410	465	**438**	465	465	**465**	5.3	5.9	**5.6**	38.1
4824	1	1	1	2	3	2	1	1	1	1	705	515	**610**	480	430	**455**	5.8	6.5	**6.2**	36.8
4825	1	1	1	2	3	2	1	1	1	1	1175	675	**925**	790	720	**755**	5.9	7.4	**6.7**	37.8

Males	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1311	1	1	1	1	1	1	1	1	1	1	524.2	1	1	4	2	1	4	0
1312	1	1	1	1	1	1	2	2	1	1	417.0	1	1	4	2	1	0	5
1313	1	1	1	1	1	1	1	1	1	1	411.2	1	1	3	2	1	8	1
1314	1	1	1	1	1	1	1	1	1	1	463.5	1	1	4	2	1	0	0
1315	1	1	1	1	1	1	1	1	1	1	552.9	1	1	3	1	1	0	0
1321	1	1	1	1	1	1	1	1	1	1	495.0	1	1	4	1	1	1	0
1322	1	1	1	1	1	1	1	1	1	1	418.6	1	1	3	1	1	1	5
1323	1	1	1	1	1	1	1	1	1	1	555.1	1	1	3	2	1	3	5
1324	3	1	4	1	1	1	1	1	1	1	465.2	1	1	4	1	1	1	0
1325	1	1	1	1	1	1	1	1	1	1	455.0	1	1	4	2	1	3	3
Group 2 – 1000 ppm																		
2311	1	1	1	1	1	1	1	1	1	1	441.5	1	1	3	1	1	1	1
2312	1	1	1	1	2	1	1	1	1	1	523.6	1	1	4	2	1	0	7
2313	1	1	1	1	1	1	1	1	1	1	455.6	1	1	4	2	1	2	1
2314	1	1	1	1	1	1	1	1	1	1	549.0	1	1	4	1	1	0	0
2315	1	1	1	1	1	1	1	1	1	1	410.0	1	1	4	2	1	4	2
2321	1	1	1	1	1	1	1	1	1	1	433.9	1	1	4	2	1	0	0
2322	1	1	1	1	1	1	1	1	1	1	435.3	1	1	3	2	1	0	0
2323	1	1	1	1	1	1	1	1	1	1	445.5	1	1	4	2	1	0	1
2324	1	1	1	1	1	1	1	1	1	1	575.7	1	1	4	2	1	5	1
2325	1	1	1	1	1	1	1	1	1	1	545.3	1	1	4	1	1	3	0

Males	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1311	1	1	1	2	3	2	1	1	1	1	755	600	**678**	515	650	**583**	7.0	8.2	**7.6**	35.5
1312	1	1	1	2	3	2	1	1	1	1	605	1000	**803**	975	835	**905**	5.8	7.3	**6.6**	39.0
1313	1	1	1	2	3	2	1	1	1	1	830	610	**720**	425	690	**558**	6.7	9.2	**8.0**	37.7
1314	1	1	1	2	3	2	1	1	1	1	1295	1290	**1293**	420	475	**448**	5.5	6.4	**6.0**	36.7
1315	1	1	1	2	3	2	1	1	1	1	1195	1415	**1305**	720	410	**565**	7.3	9.4	**8.4**	36.5
1321	1	1	1	2	3	2	1	1	1	1	1275	890	**1083**	650	640	**645**	6.6	7.6	**7.1**	37.5
1322	1	1	1	2	3	2	1	1	1	1	940	1520	**1230**	495	950	**723**	6.9	8.5	**7.7**	38.0
1323	1	1	1	2	3	2	1	1	1	1	600	470	**535**	730	645	**688**	5.9	6.2	**6.1**	37.0
1324	1	1	1	2	3	2	1	1	1	1	945	810	**878**	640	505	**573**	6.2	6.1	**6.2**	36.5
1325	1	1	1	2	3	2	1	1	1	1	1135	1090	**1113**	1020	970	**995**	7.4	6.3	**6.9**	37.9
Group 2 – 1000 ppm																				
2311	1	1	1	2	3	2	1	1	1	1	1085	1105	**1095**	880	475	**678**	6.5	8.4	**7.5**	37.7
2312	1	1	1	2	3	2	1	1	1	1	705	1415	**1060**	975	565	**770**	6.6	8.4	**7.5**	38.8
2313	1	1	1	2	3	2	1	1	1	1	1210	995	**1103**	945	1050	**998**	6.2	5.4	**5.8**	37.1
2314	1	1	1	2	3	2	1	1	1	1	955	950	**953**	710	630	**670**	5.6	5.7	**5.7**	36.5
2315	1	1	1	2	3	2	1	1	1	1	1455	1070	**1263**	805	735	**770**	5.9	7.2	**6.6**	37.4
2321	1	1	1	2	3	2	1	1	1	1	500	355	**428**	880	530	**705**	5.6	5.7	**5.7**	38.0
2322	1	1	1	2	3	2	1	1	1	1	710	1050	**880**	860	455	**658**	5.4	7.6	**6.5**	36.5
2323	1	1	1	2	3	2	1	1	1	1	560	1155	**858**	580	630	**605**	6.2	5.1	**5.7**	39.1
2324	1	1	1	2	3	2	1	1	1	1	960	805	**883**	1230	1100	**1165**	7.3	6.6	**7.0**	36.1
2325	1	1	1	2	3	2	1	1	1	1	1050	1315	**1183**	790	1045	**918**	5.6	7.2	**6.4**	38.1

Males	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3311	1	1	1	1	1	1	1	1	1	1	462.8	1	1	4	2	1	0	6
3312	1	1	1	1	1	1	1	1	1	1	452.2	1	1	4	2	1	0	3
3313	1	1	1	1	2	1	1	1	1	1	411.5	1	1	3	1	1	4	2
3314	1	1	1	1	1	1	1	1	1	1	437.6	1	1	4	2	1	0	5
3315	1	1	1	1	1	1	1	1	1	1	502.1	1	1	4	1	1	1	0
3321	3	1	4	1	1	1	1	1	1	1	472.3	1	1	4	1	1	0	0
3322	1	1	1	1	1	1	1	1	1	1	455.7	1	1	4	1	1	0	4
3323	1	1	1	1	1	1	1	1	1	1	496.0	1	1	4	1	1	3	1
3324	1	1	1	1	1	1	1	1	1	1	466.8	1	1	4	1	1	0	5
3325	1	1	1	1	1	1	1	1	1	1	461.8	1	1	4	1	1	8	1
Group 4 – 10000 ppm																		
4311	1	1	1	1	1	1	1	1	1	1	485.1	1	1	4	2	1	0	8
4312	1	1	1	1	1	1	1	1	1	1	557.1	1	1	4	2	1	0	0
4313	3	1	4	1	1	1	1	1	1	1	470.5	1	1	4	2	1	0	6
4314	1	1	1	1	1	1	1	1	1	1	471.0	1	1	3	1	1	0	0
4315	1	1	2	1	1	1	1	1	1	1	477.7	1	1	4	1	1	0	11
4321	1	1	1	1	1	1	1	1	1	1	408.3	1	1	3	2	1	1	4
4322	1	1	1	1	1	1	1	1	1	1	477.7	1	1	4	2	1	0	3
4323	1	1	1	1	1	1	1	1	1	1	516.4	1	1	4	2	1	3	6
4324	1	1	1	1	1	1	1	1	1	1	424.7	1	1	4	1	1	2	4
4325	1	1	1	1	1	1	1	1	1	1	417.2	1	1	3	2	1	3	0

Males	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3311	1	1	1	2	3	2	1	1	1	1	765	1125	**945**	645	640	**643**	8.2	9.7	**9.0**	36.2
3312	1	1	1	2	3	2	1	1	1	1	1115	970	**1043**	970	1000	**985**	4.6	5.8	**5.2**	36.0
3313	1	1	1	2	3	2	1	1	1	1	810	415	**613**	1110	855	**983**	5.7	6.8	**6.3**	37.4
3314	1	1	1	2	3	2	1	1	1	1	1570	1735	**1653**	1090	815	**953**	5.7	6.9	**6.3**	37.0
3315	1	1	1	2	3	2	1	1	1	1	880	1080	**980**	1000	825	**913**	5.6	5.5	**5.6**	36.4
3321	1	1	1	2	3	2	1	1	1	1	1060	680	**870**	835	595	**715**	4.4	5.1	**4.8**	36.5
3322	1	1	1	2	3	2	1	1	1	1	805	1120	**963**	550	620	**585**	7.8	4.9	**6.4**	39.0
3323	1	1	1	2	3	2	1	1	1	1	1550	1565	**1558**	320	605	**463**	7.9	8.2	**8.1**	36.8
3324	1	1	1	2	3	2	1	1	1	1	1100	1000	**1050**	660	525	**593**	4.5	7.3	**5.9**	37.1
3325	1	1	1	2	3	2	1	1	1	1	1335	1535	**1435**	605	750	**678**	9.2	7.1	**8.2**	36.6
Group 4 – 10000 ppm																				
4311	1	1	1	2	3	2	1	1	1	1	985	670	**828**	805	845	**825**	4.2	4.7	**4.5**	36.8
4312	1	1	1	2	3	2	1	1	1	1	1335	1295	**1315**	655	610	**633**	7.5	9.3	**8.4**	35.6
4313	1	1	1	2	3	2	1	1	1	1	1440	1590	**1515**	855	850	**853**	7.2	8.9	**8.1**	36.0
4314	1	1	1	2	3	2	1	1	1	1	1145	1090	**1118**	780	855	**818**	5.2	5.9	**5.6**	37.2
4315	1	1	1	2	3	2	1	1	1	1	1170	1275	**1223**	610	700	**655**	5.8	5.6	**5.7**	37.2
4321	1	1	1	2	3	2	1	1	1	1	1355	1170	**1263**	615	805	**710**	7.1	6.5	**6.8**	36.9
4322	1	1	1	2	3	2	1	1	1	1	720	a	**720**	930	610	**770**	6.2	6.7	**6.5**	37.3
4323	1	1	1	2	3	2	1	1	1	1	2055	1810	**1933**	1195	1200	**1198**	9.5	8.2	**8.9**	37.4
4324	1	1	1	2	3	2	1	1	1	1	1605	1590	**1598**	1020	655	**838**	6.2	8.3	**7.3**	36.6
4325	1	1	1	2	3	2	1	1	1	1	1355	1455	**1405**	760	805	**783**	6.3	6.0	**6.2**	36.0

[a]Only 1 trial value was recorded in the data.

Females	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 – 0 ppm																		
1811	1	1	1	1	1	1	1	1	1	1	300.6	1	1	4	1	1	0	0
1812	3	1	4	1	2	1	1	1	1	1	300.9	1	1	4	1	1	0	0
1813	3	1	4	1	1	1	1	1	1	1	326.1	1	1	4	2	1	0	0
1814	1	1	1	1	1	1	1	1	1	1	264.3	1	1	4	2	1	0	0
1815	1	1	1	1	1	1	1	1	1	1	312.2	1	1	4	1	1	0	0
1821	1	1	1	1	1	1	1	1	1	1	327.0	1	1	4	1	1	0	0
1822	1	1	1	1	1	1	1	1	1	1	269.3	1	1	4	1	1	0	0
1823	1	1	1	1	1	1	1	1	1	1	316.7	1	1	4	2	1	0	0
1824	1	1	1	1	1	1	1	1	1	1	286.8	1	1	4	1	1	0	0
1825	1	1	1	1	2	1	1	1	1	1	295.5	1	1	4	1	1	0	0
Group 2 – 1000 ppm																		
2811	1	1	1	1	1	1	1	1	1	1	297.6	1	1	4	1	1	0	0
2812	1	1	1	1	1	1	1	1	1	1	293.9	1	1	4	1	1	0	0
2813	1	1	1	1	1	1	1	1	1	1	301.7	1	1	4	1	1	0	0
2814	1	1	1	1	1	1	1	1	1	1	333.3	1	1	4	1	1	0	2
2815	1	1	1	1	1	1	1	1	1	1	295.4	1	1	4	2	1	0	2
2821	1	1	1	1	1	1	1	1	1	1	298.4	1	1	3	1	1	0	0
2822	1	1	1	1	1	1	1	1	1	1	300.5	1	1	4	1	1	0	0
2823	3	1	4	1	1	1	1	1	1	1	288.4	1	1	4	2	1	1	1
2824	1	1	1	1	1	1	1	1	1	1	334.8	1	1	4	1	1	0	0
2825	1	1	1	1	1	1	1	1	1	1	281.0	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 – 0 ppm																				
1811	1	1	1	2	3	2	1	1	1	1	1120	885	**1003**	805	610	**708**	6.2	5.7	**6.0**	38.4
1812	1	1	1	2	3	2	1	1	1	1	870	1110	**990**	505	355	**430**	7.1	8.2	**7.7**	37.0
1813	1	1	1	2	3	2	1	1	1	1	1090	1080	**1085**	350	775	**563**	8.1	7.7	**7.9**	36.9
1814	1	1	1	2	3	2	1	1	1	1	935	1285	**1110**	325	560	**443**	8.2	8.2	**8.2**	36.2
1815	1	1	1	2	3	2	1	1	1	1	1060	925	**993**	350	375	**363**	5.9	5.8	**5.9**	36.6
1821	1	1	1	2	3	2	1	1	1	1	1215	1200	**1208**	810	805	**808**	5.9	5.3	**5.6**	37.7
1822	1	1	1	2	3	2	1	1	1	1	1145	1050	**1098**	850	850	**850**	7.7	5.3	**6.5**	38.5
1823	1	1	1	2	3	2	1	1	1	1	1525	820	**1173**	1120	695	**908**	5.7	5.7	**5.7**	39.1
1824	1	1	1	2	3	2	1	1	1	1	1390	990	**1190**	895	805	**850**	8.2	5.7	**7.0**	38.0
1825	1	1	1	2	3	2	1	1	1	1	655	1205	**930**	895	650	**773**	7.6	5.8	**6.7**	36.3
Group 2 – 1000 ppm																				
2811	1	1	1	2	3	2	1	1	1	1	735	590	**663**	660	545	**603**	4.8	3.6	**4.2**	39.3
2812	1	1	1	2	3	2	1	1	1	1	950	1075	**1013**	600	665	**633**	4.6	5.4	**5.0**	38.1
2813	1	1	1	2	3	2	1	1	1	1	1075	1085	**1080**	725	735	**730**	6.8	7.9	**7.4**	37.9
2814	1	1	1	2	3	2	1	1	1	1	740	1095	**918**	810	670	**740**	5.2	5.7	**5.5**	38.1
2815	1	1	1	2	3	2	1	1	1	1	1060	950	**1005**	1065	1155	**1110**	5.7	5.8	**5.8**	38.7
2821	1	1	1	2	3	2	1	1	1	1	1245	610	**928**	780	620	**700**	6.0	5.2	**5.6**	37.0
2822	1	1	1	2	3	2	1	1	1	1	1345	1275	**1310**	730	560	**645**	6.9	6.3	**6.6**	37.9
2823	1	1	1	2	3	2	1	1	1	1	865	870	**868**	400	675	**538**	4.6	4.8	**4.7**	36.0
2824	1	1	1	2	3	2	1	1	1	1	510	490	**500**	755	495	**625**	8.2	6.3	**7.3**	37.4
2825	1	1	1	2	3	2	1	1	1	1	500	705	**603**	595	465	**530**	4.4	3.7	**4.1**	38.2

Females	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 – 5000 ppm																		
3811	1	1	1	1	1	1	1	1	1	1	282.9	1	1	4	2	1	0	0
3812	1	1	1	1	1	1	1	1	1	1	306.6	3-1	1	4	1	1	0	0
3813	1	1	1	1	1	1	1	1	1	1	310.3	1	1	4	1	1	0	0
3814	1	1	1	1	1	1	1	1	1	1	257.4	1	1	4	1	1	0	0
3815	1	1	1	1	1	1	1	1	1	1	309.5	1	1	4	1	1	0	0
3821	1	1	1	1	1	1	1	1	1	1	276.8	1	1	4	1	1	0	0
3822	1	1	1	1	1	1	1	1	1	1	291.5	1	1	3	1	1	0	0
3823	1	1	1	1	1	1	1	1	1	1	298.7	1	1	4	1	1	0	0
3824	1	1	1	1	1	1	1	1	1	1	309.3	1	1	4	1	1	0	0
3825	1	1	1	1	2	1	1	1	1	1	298.0	1	1	4	2	1	0	0
Group 4 – 10000 ppm																		
4811	1	1	1	1	1	1	1	1	1	1	268.0	1	1	4	1	1	0	0
4812	1	1	1	1	1	1	1	1	1	1	290.3	1	1	4	2	1	0	0
4813	1	1	1	1	1	1	1	1	1	1	284.8	1	1	4	2	1	0	0
4814	3	1	4	1	1	1	1	1	1	1	259.2	1	1	4	2	1	0	6
4815	1	1	1	1	1	1	1	1	1	1	268.5	1	1	4	1	1	0	0
4821	3	1	4	1	1	1	1	1	1	1	283.1	1	1	4	1	1	0	0
4822	1	1	1	1	1	1	1	1	1	1	302.5	1	1	4	2	1	0	0
4823	1	1	1	1	1	1	1	1	1	1	302.2	1	1	4	2	1	0	0
4824	1	1	1	1	1	1	1	1	1	1	298.6	1	1	4	1	1	3	3
4825	1	1	1	1	1	1	1	1	1	1	319.4	1	1	4	1	1	0	0

Females	Individual Functional Observational Battery Evaluations Week 8	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 – 5000 ppm																				
3811	1	1	1	2	3	2	1	1	1	1	1210	1010	**1110**	780	515	**648**	6.2	6.6	**6.4**	36.8
3812	1	1	1	2	3	2	1	1	1	1	1200	1235	**1218**	300	370	**335**	4.6	4.7	**4.7**	39.5
3813	1	1	1	2	3	2	1	1	1	1	1040	500	**770**	665	690	**678**	8.4	7.8	**8.1**	38.0
3814	1	1	1	2	3	2	1	1	1	1	1005	800	**903**	625	595	**610**	4.2	4.4	**4.3**	38.3
3815	1	1	1	2	3	2	1	1	1	1	1070	1110	**1090**	580	705	**643**	8.1	7.6	**7.9**	36.4
3821	1	1	1	2	3	2	1	1	1	1	485	565	**525**	580	560	**570**	3.0	4.1	**3.6**	36.0
3822	1	1	1	2	3	2	1	1	1	1	1070	835	**953**	700	730	**715**	6.6	6.1	**6.4**	37.9
3823	1	1	1	2	3	2	1	1	1	1	835	1000	**918**	825	800	**813**	5.3	7.2	**6.3**	37.8
3824	1	1	1	2	3	2	1	1	1	1	1190	1210	**1200**	655	755	**705**	5.9	6.2	**6.1**	38.2
3825	1	1	1	2	3	2	1	1	1	1	800	1270	**1035**	1090	830	**960**	6.1	5.3	**5.7**	38.3
Group 4 - 10000 ppm																				
4811	1	1	1	2	3	2	1	1	1	1	1235	1505	**1370**	700	545	**623**	5.9	7.5	**6.7**	38.6
4812	1	1	1	2	3	2	1	1	1	1	810	640	**725**	610	510	**560**	8.3	6.4	**7.4**	37.2
4813	1	1	1	2	3	2	1	1	1	1	1035	895	**965**	565	515	**540**	5.6	7.6	**6.6**	37.5
4814	1	1	1	2	3	2	1	1	1	1	410	665	**538**	785	625	**705**	4.6	5.2	**4.9**	37.1
4815	1	1	1	2	3	2	1	1	1	1	1005	1050	**1028**	680	685	**683**	5.7	5.2	**5.5**	38.1
4821	1	1	1	2	3	2	1	1	1	1	1175	1030	**1103**	660	380	**520**	4.6	6.7	**5.7**	36.1
4822	1	1	1	2	3	2	1	1	1	1	1165	1075	**1120**	735	980	**858**	6.3	7.1	**6.7**	36.1
4823	1	1	1	2	3	2	1	1	1	1	1025	535	**780**	505	560	**533**	5.7	6.7	**6.2**	38.2
4824	1	1	1	2	3	2	1	1	1	1	470	900	**685**	690	430	**560**	5.8	4.8	**5.3**	38.5
4825	1	1	1	2	3	2	1	1	1	1	925	1510	**1218**	850	635	**743**	5.7	8.1	**6.9**	37.9

Males	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 - 0 ppm																		
1311	1	1	1	1	1	1	1	1	1	1	597.7	1	1	4	2	1	0	0
1312	1	1	1	1	1	1	2	2	1	1	440.3	1	1	3	1	1	0	0
1313	1	1	1	1	1	1	1	1	1	1	445.0	1	1	4	2	1	5	2
1314	1	1	1	1	1	1	1	1	1	1	536.8	1	1	4	1	1	0	0
1315	1	1	1	1	1	1	1	1	1	1	603.3	1	1	3	1	1	0	0
1321	1	1	1	1	1	1	1	1	1	1	575.3	1	1	4	1	1	0	0
1322	1	1	1	1	1	2	1	1	1	1	452.8	1	1	3	2	1	0	0
1323	1	1	1	1	2	1	1	1	1	1	502.2	1	1	4	1	1	5	1
1324	1	1	1	1	1	1	1	1	1	1	493.0[b]	1	1	4	1	1	4	0
1325	1	1	1	1	1	1	1	1	1	1	513.7[b]	1	1	4	1	1	4	0
Group 2 - 1000 ppm																		
2311	1	1	1	1	1	1	1	1	1	1	488.9	1	1	4	1	1	0	0
2312	1	1	1	1	1	1	1	1	1	1	600.3	1	1	4	1	1	0	0
2313	1	1	1	1	1	1	1	1	1	1	508.3	1	1	4	2	1	4	1
2314	1	1	1	1	1	1	1	1	1	1	626.4	1	1	4	1	1	0	0
2315	1	1	1	1	1	1	1	1	1	1	450.1	1	1	4	2	1	2	1
2321	1	1	1	1	1	1	1	1	1	1	486.7	1	1	3	2	1	2	0
2322	1	1	1	1	1	1	1	1	1	1	480.0	1	1	3	1	1	1	2
2323	1	1	1	1	1	1	1	1	1	1	489.7[b]	1	1	4	1	1	2	0
2324	1	1	1	1	1	1	1	1	1	1	645.2[b]	1	1	4	2	1	4	0
2325	1	1	1	1	1	1	1	1	1	1	610.0[b]	1	1	4	1	1	4	0

[b]Since FOB body weights were not recorded on Day 89 as per protocol, regular scheduled body weights (Day 90) were used.

Males	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 - 0 ppm																				
1311	1	1	1	2	3	2	1	1	1	1	975	900	**938**	520	790	**655**	7.4	6.8	**7.1**	37.8
1312	1	1	1	2	3	2	1	1	1	1	970	1180	**1075**	725	850	**788**	5.7	5.6	**5.7**	38.0
1313	1	1	1	2	3	2	1	1	1	1	745	1090	**918**	405	585	**495**	9.2	5.7	**7.5**	35.2
1314	1	1	1	2	3	2	1	1	1	1	1450	1410	**1430**	845	810	**828**	7.1	5.9	**6.5**	36.8
1315	1	1	1	2	3	2	1	1	1	1	1640	1005	**1323**	665	725	**695**	7.2	6.7	**7.0**	36.8
1321	1	1	1	2	3	2	1	1	1	1	935	1290	**1113**	900	720	**810**	9.1	5.9	**7.5**	36.1
1322	1	1	1	2	3	2	1	1	1	1	1150	985	**1068**	450	545	**498**	7.3	6.2	**6.8**	36.4
1323	1	1	1	2	3	2	1	1	1	1	1150	1080	**1115**	1050	875	**963**	7.1	5.4	**6.3**	37.9
1324	1	1	1	2	3	2	1	1	1	1	1165	1135	**1150**	575	660	**618**	7.1	5.3	**6.2**	35.5
1325	1	1	1	2	3	2	1	1	1	1	1170	995	**1083**	710	1010	**860**	10.3	9.2	**9.8**	35.8
Group 2 - 1000 ppm																				
2311	1	1	1	2	3	2	1	1	1	1	1040	1435	**1238**	730	685	**708**	8.0	7.2	**7.6**	37.5
2312	1	1	1	2	3	2	1	1	1	1	725	1600	**1163**	455	590	**523**	5.8	8.1	**7.0**	34.9
2313	1	1	1	2	3	2	1	1	1	1	765	1075	**920**	695	365	**530**	4.6	5.1	**4.9**	36.7
2314	1	1	1	2	3	2	1	1	1	1	885	1180	**1033**	540	520	**530**	6.7	6.2	**6.5**	36.5
2315	1	1	1	2	3	2	1	1	1	1	1290	950	**1120**	1220	560	**890**	9.4	7.6	**8.5**	37.4
2321	1	1	1	2	3	2	1	1	1	1	755	570	**663**	660	410	**535**	7.3	6.7	**7.0**	36.9
2322	1	1	1	2	3	2	1	1	1	1	1240	805	**1023**	565	550	**558**	5.2	8.3	**6.8**	37.8
2323	1	1	1	2	3	2	1	1	1	1	1065	800	**933**	440	445	**443**	6.8	5.9	**6.4**	37.3
2324	1	1	1	2	3	2	1	1	1	1	1560	1320	**1440**	1240	550	**895**	7.8	6.3	**7.1**	36.3
2325	1	1	1	2	3	2	1	1	1	1	1115	1285	**1200**	735	745	**740**	6.7	6.2	**6.5**	38.4

Males	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 - 5000 ppm																		
3311	1	1	1	1	1	1	1	1	1	1	507.8	1	1	4	2	1	0	6
3312	1	1	1	1	1	1	1	1	1	1	488.9	1	1	4	2	1	4	1
3313	1	1	1	1	1	1	1	1	1	1	462.1	1	1	3	1	1	2	1
3314	1	1	1	1	1	1	1	1	1	1	498.3	1	1	4	2	1	3	5
3315	1	1	1	1	1	1	1	1	1	1	533.7	1	1	4	1	1	0	0
3321	1	1	1	1	1	1	1	1	1	1	551.2	1	1	4	1	1	0	0
3322	1	1	1	1	1	1	1	1	1	1	504.6	1	1	4	1	1	0	4
3323	1	1	1	1	1	1	1	1	1	1	552.1	1	1	4	1	1	0	2
3324	1	1	1	1	1	1	1	1	1	1	508.7[b]	1	1	4	1	1	0	8
3325	1	1	1	1	1	1	1	1	1	1	504.7[b]	1	1	4	1	1	0	0
Group 4 - 10000 ppm																		
4311	1	1	1	1	1	1	1	1	1	1	538.5	1	1	4	1	1	0	7
4312	1	1	1	1	1	1	1	1	1	1	639.5	1	1	4	1	1	0	0
4313	1	1	1	1	1	1	1	1	1	1	513.6	1	1	4	1	1	2	1
4314	1	1	1	1	1	1	1	1	1	1	503.0	1	1	4	1	1	0	0
4315	1	1	1	1	1	1	1	1	1	1	538.8	1	1	4	1	1	1	6
4321	1	1	1	1	1	1	1	1	1	1	461.4	1	1	4	2	1	4	3
4322	1	1	1	1	1	1	1	1	1	1	542.8	1	1	4	2	1	0	4
4323	1	1	1	1	1	1	1	1	1	1	574.4[b]	1	1	4	1	1	4	5
4324	1	1	1	1	1	1	1	1	1	1	475.5[b]	1	1	4	1	1	2	9
4325	1	1	1	1	1	1	1	1	1	1	462.5[b]	1	1	4	1	1	0	9

[b]Since FOB body weights were not recorded on Day 89 as per protocol, regular scheduled body weights (Day 90) were used.

Males	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 - 5000 ppm																				
3311	1	1	1	2	3	2	1	1	1	1	1390	1440	**1415**	950	970	**960**	9.6	12.4	**11.0**	36.3
3312	1	1	1	2	3	2	1	1	1	1	1540	1560	**1550**	1265	900	**1083**	5.3	4.4	**4.9**	36.1
3313	1	1	1	2	3	2	1	1	1	1	1445	1170	**1308**	580	945	**763**	5.4	6.3	**5.9**	38.2
3314	1	1	1	2	3	2	1	1	1	1	1615	1665	**1640**	910	960	**935**	5.8	7.3	**6.6**	37.2
3315	1	1	1	2	3	2	1	1	1	1	1280	1165	**1223**	605	825	**715**	4.2	5.2	**4.7**	35.7
3321	1	1	1	2	3	2	1	1	1	1	1145	685	**915**	695	695	**695**	5.2	5.2	**5.2**	36.4
3322	1	1	1	2	3	2	1	1	1	1	1475	1380	**1428**	885	730	**808**	5.8	6.4	**6.1**	37.5
3323	1	1	1	2	3	2	1	1	1	1	1280	1210	**1245**	485	275	**380**	9.4	7.9	**8.7**	36.0
3324	1	1	1	2	3	2	1	1	1	1	675	1430	**1053**	425	555	**490**	7.6	4.7	**6.2**	37.1
3325	1	1	1	2	3	2	1	1	1	1	1760	1475	**1618**	560	820	**690**	6.7	6.1	**6.4**	36.4
Group 4 - 10000 ppm																				
4311	1	1	1	2	3	2	1	1	1	1	1200	705	**953**	790	695	**743**	4.0	4.2	**4.1**	37.4
4312	1	1	1	2	3	2	1	1	1	1	1730	1375	**1553**	1045	785	**915**	8.4	8.3	**8.4**	34.6
4313	1	1	1	2	3	2	1	1	1	1	1880	1650	**1765**	880	835	**858**	8.8	9.2	**9.0**	37.2
4314	1	1	1	2	3	2	1	1	1	1	1370	790	**1080**	805	690	**748**	6.3	4.6	**5.5**	36.3
4315	1	1	1	2	3	2	1	1	1	1	1335	1025	**1180**	995	890	**943**	6.5	6.1	**6.3**	37.1
4321	1	1	1	2	3	2	1	1	1	1	1290	1195	**1243**	435	760	**598**	5.9	5.2	**5.6**	38.3
4322	1	1	1	2	3	2	1	1	1	1	1585	1540	**1563**	945	665	**805**	5.2	5.4	**5.3**	36.8
4323	1	1	1	2	3	2	1	1	1	1	1285	1390	**1338**	925	700	**813**	10.2	7.8	**9.0**	36.4
4324	1	1	1	2	3	2	1	1	1	1	1465	1615	**1540**	840	645	**743**	7.8	5.7	**6.8**	38.0
4325	1	1	1	2	3	2	1	1	1	1	1265	1540	**1403**	725	625	**675**	6.8	7.5	**7.2**	36.8

Females	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 1 - 0 ppm																		
1811	1	1	1	1	1	1	1	1	1	1	300.9	1	1	4	1	1	0	0
1812	1	1	1	1	1	1	1	1	1	1	307.6	1	1	4	1	1	0	0
1813	1	1	1	1	1	1	1	1	1	1	357.8	1	1	4	2	1	0	0
1814	1	1	1	1	1	1	1	1	1	1	277.7	1	1	3	1	1	0	0
1815	1	1	1	1	1	1	1	1	1	1	341.1	1	1	4	1	1	0	0
1821	1	1	1	1	1	1	1	1	1	1	357.2	1	1	3	1	1	0	0
1822	1	1	1	1	1	1	1	1	1	1	283.1	1	1	4	1	1	0	0
1823	1	1	1	1	1	1	1	2	1	1	325.3[b]	1	1	4	2	1	0	0
1824	1	1	1	1	1	1	1	1	1	1	296.4[b]	1	1	4	1	1	0	0
1825	1	1	1	1	2	3	1	1	1	1	316.4[b]	1	1	4	1	1	0	0
Group 2 - 1000 ppm																		
2811	1	1	1	1	1	1	1	1	1	1	310.9	1	1	5	1	1	0	0
2812	1	1	1	1	1	1	1	1	1	1	310.4	1	1	4	1	1	0	0
2813	1	1	1	1	1	1	1	1	1	1	313.3	1	1	4	1	1	0	0
2814	1	1	1	1	1	1	1	1	1	1	352.4	1	1	4	1	1	0	0
2815	1	1	1	1	1	1	1	1	1	1	320.0	1	1	4	2	1	0	0
2821	1	1	1	1	1	1	1	1	1	1	306.7	1	1	4	1	1	0	0
2822	1	1	1	1	1	1	1	1	1	1	325.1	1	1	4	1	1	0	0
2823	1	1	1	1	1	1	1	1	1	1	314.1	1	1	4	2	1	3	3
2824	1	1	1	1	1	1	1	1	1	1	356.3[b]	1	1	4	1	1	0	0
2825	1	1	1	1	1	1	1	1	1	1	300.7[b]	1	1	4	1	1	0	0

[b]Since FOB body weights were not recorded on Day 89 as per protocol, regular scheduled body weights (Day 90) were used.

Females	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 1 - 0 ppm																				
1811	1	1	1	2	3	2	1	1	1	1	635	760	**698**	620	515	**568**	4.4	5.1	**4.8**	37.9
1812	1	1	1	2	3	2	1	1	1	1	720	970	**845**	720	760	**740**	7.8	6.1	**7.0**	38.1
1813	1	1	1	2	3	2	1	1	1	1	1405	1120	**1263**	540	375	**458**	6.8	6.0	**6.4**	35.5
1814	1	1	1	2	3	2	1	1	1	1	1295	1180	**1238**	425	330	**378**	7.2	4.7	**6.0**	37.0
1815	1	1	1	2	3	2	1	1	1	1	1145	1385	**1265**	635	725	**680**	7.4	7.3	**7.4**	37.5
1821	1	1	1	2	3	2	1	1	1	1	960	1075	**1018**	475	495	**485**	4.7	3.8	**4.3**	36.8
1822	1	1	1	2	3	2	1	1	1	1	950	1305	**1128**	970	910	**940**	6.1	3.9	**5.0**	37.7
1823	1	1	1	2	3	2	1	1	1	1	1045	520	**783**	925	520	**723**	5.3	5.3	**5.3**	39.4
1824	1	1	1	2	3	2	1	1	1	1	1135	1280	**1208**	810	705	**758**	5.7	5.2	**5.5**	38.3
1825	1	1	1	2	3	2	1	1	1	1	1190	1090	**1140**	800	685	**743**	6.6	5.8	**6.2**	37.0
Group 2 - 1000 ppm																				
2811	1	1	1	2	3	2	1	1	1	1	305	875	**590**	640	590	**615**	5.8	4.1	**5.0**	39.1
2812	1	1	1	2	3	2	1	1	1	1	1290	470	**880**	725	600	**663**	5.1	5.2	**5.2**	36.1
2813	1	1	1	2	3	2	1	1	1	1	950	830	**890**	700	820	**760**	8.7	8.2	**8.5**	38.3
2814	1	1	1	2	3	2	1	1	1	1	800	955	**878**	615	600	**608**	6.3	5.2	**5.8**	37.4
2815	1	1	1	2	3	2	1	1	1	1	1080	1060	**1070**	1150	790	**970**	6.0	5.4	**5.7**	37.8
2821	1	1	1	2	3	2	1	1	1	1	680	985	**833**	480	900	**690**	4.7	3.6	**4.2**	36.4
2822	1	1	1	2	3	2	1	1	1	1	1100	935	**1018**	630	410	**520**	4.8	4.7	**4.8**	36.5
2823	1	1	1	2	3	2	1	1	1	1	1060	720	**890**	825	750	**788**	4.3	5.6	**5.0**	37.2
2824	1	1	1	2	3	2	1	1	1	1	415	650	**533**	495	525	**510**	6.1	6.9	**6.5**	37.6
2825	1	1	1	2	3	2	1	1	1	1	380	415	**398**	355	445	**400**	7.3	7.9	**7.6**	37.6

Females	Individual Functional Observational Battery Evaluations Week 13	Appendix I

	Home Cage Evaluations				Handling Evaluations						Body Wt	Open Field Evaluations						
Animal Number	Post	Vocal	Palp Close	Motor Move	Rem	Hand	Chromo	Lac	Coat	Sal	grams	Gait	Loco	Arousal	Pilo	Exo	Feces	Urine
Group 3 - 5000 ppm																		
3811	1	1	1	1	1	1	1	1	1	1	283.7	1	1	4	1	1	0	0
3812	1	1	1	1	1	1	1	1	1	1	352.6	1	1	4	1	1	0	0
3813	1	1	1	1	1	1	1	1	1	1	341.9	1	1	4	1	1	0	0
3814	1	1	1	1	1	1	1	1	1	1	266.3	1	1	4	1	1	0	0
3815	1	1	1	1	2	1	1	1	1	1	328.0	1	1	4	1	1	0	0
3821	1	1	1	1	1	1	1	1	1	1	302.8	1	1	4	1	1	0	0
3822	1	1	1	1	1	1	1	1	1	1	289.6	1	1	4	1	1	0	0
3823	1	1	1	1	2	2	1	1	1	1	299.1[b]	1	1	4	1	1	0	1
3824	1	1	1	1	1	1	1	1	1	1	322.1[b]	1	1	4	1	1	0	0
3825	1	1	1	1	1	1	1	1	1	1	310.7[b]	1	1	4	1	1	0	0
Group 4 - 10000 ppm																		
4811	1	1	1	1	1	1	1	1	1	1	278.9	1	1	4	2	1	0	5
4812	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
4813	3	1	4	1	1	1	1	1	1	1	298.8	1	1	4	2	1	0	0
4814	1	1	1	1	1	1	1	1	1	1	289.3	1	1	4	1	1	5	0
4815	1	1	1	1	1	1	1	1	1	1	282.7	1	1	4	1	1	0	0
4821	1	1	1	1	1	1	1	1	1	1	324.8	1	1	4	1	1	0	0
4822	1	1	1	1	1	1	1	1	1	1	322.2	1	1	4	1	1	0	0
4823	1	1	1	1	1	1	1	1	1	1	320.7	1	1	4	1	1	0	0
4824	1	1	1	1	1	1	1	1	1	1	309.0[b]	1	1	4	1	1	3	0
4825	1	1	1	1	1	1	1	1	1	1	325.6[b]	1	1	4	1	1	0	0

[b]Since FOB body weights were not recorded on Day 89 as per protocol, regular scheduled body weights (Day 90) were used.
AD = Animal Died

Females	Individual Functional Observational Battery Evaluations Week 13	Appendix I

Animal Number	Motor Movements			Reflex Assessments						Air	Grip Strength (grams)						Landing Foot Splay (centimeters)			Body Temp
											Forelimb			Hindlimb						
	Fasc	Conv	Tremors	Visual Approach	Aud	Pain	Pupil Response	Pinna Reflex	Proprio	Right	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Trial 1	Trial 2	Mean	Celcius
Group 3 - 5000 ppm																				
3811	1	1	1	2	3	2	1	1	1	1	920	900	**910**	1085	755	**920**	4.8	6.3	**5.6**	38.0
3812	1	1	1	2	3	2	1	1	1	1	1070	1255	**1163**	365	400	**383**	5.5	5.3	**5.4**	38.3
3813	1	1	1	2	3	2	1	1	1	1	360	720	**540**	640	520	**580**	8.1	7.6	**7.9**	37.4
3814	1	1	1	2	3	2	1	1	1	1	1000	945	**973**	750	610	**680**	5.5	6.1	**5.8**	38.4
3815	1	1	1	2	3	2	1	1	1	1	1150	1145	**1148**	690	735	**713**	7.6	6.1	**6.9**	36.6
3821	1	1	1	2	3	2	1	1	1	1	900	780	**840**	810	620	**715**	4.2	4.6	**4.4**	38.0
3822	1	1	1	2	3	2	1	1	1	1	835	980	**908**	655	475	**565**	4.7	4.8	**4.8**	38.1
3823	1	1	1	2	3	2	1	1	1	1	840	580	**710**	510	550	**530**	7.6	8.8	**8.2**	38.4
3824	1	1	1	2	3	2	1	1	1	1	1180	715	**948**	995	865	**930**	5.4	5.7	**5.6**	38.1
3825	1	1	1	2	3	2	1	1	1	1	560	670	**615**	735	755	**745**	6.8	5.7	**6.3**	36.7
Group 4 - 10000 ppm																				
4811	1	1	1	2	3	2	1	1	1	1	1100	1135	**1118**	960	580	**770**	5.7	6.6	**6.2**	38.9
4812	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
4813	1	1	1	2	3	2	1	1	1	1	1080	1205	**1143**	725	635	**680**	7.7	7.1	**7.4**	37.1
4814	1	1	1	2	3	2	1	1	1	1	520	1165	**843**	465	460	**463**	5.3	4.7	**5.0**	37.6
4815	1	1	1	2	3	2	1	1	1	1	1385	1075	**1230**	510	560	**535**	8.2	6.5	**7.4**	38.6
4821	1	1	1	2	3	2	1	1	1	1	1145	1345	**1245**	315	425	**370**	5.3	4.7	**5.0**	36.8
4822	1	1	1	2	3	2	1	1	1	1	1335	1160	**1248**	1010	960	**985**	6.3	5.2	**5.8**	38.3
4823	1	1	1	2	3	2	1	1	1	1	1110	910	**1010**	680	760	**720**	5.9	5.2	**5.6**	38.3
4824	1	1	1	2	3	2	1	1	1	1	850	1010	**930**	275	620	**448**	6.0	4.5	**5.3**	37.6
4825	1	1	1	2	3	2	1	1	1	1	1025	850	**938**	700	630	**665**	6.3	4.8	**5.6**	37.0

AD = Animal Died

	Individual Hematology Values Preface	Appendix J

Abbreviation	Parameter	Reporting Units
HGB	Hemoglobin Concentration	g/dL
HCT	Hematocrit	percent
RBC	Erythrocyte Count	10^6/µL
RDW	Red Cell Distribution Width	%
RETIC	Absolute Reticulocyte Count	10^9/L
PLT	Platelet Count	10^3/µL
MCV	Mean Corpuscular Volume	fL
MCH	Mean Corpuscular Hemoglobin	pg
MCHC	Mean Corpuscular Hemoglobin Concentration	g/dL
MPV	Mean Platelet Volume	fL
WBC	Total Leukocyte Count	10^3/µL
ANEU	Absolute Neutrophils	10^3/µL
ALYM	Absolute Lymphocytes	10^3/µL
AMONO	Absolute Monocytes	10^3/µL
AEOS	Absolute Eosinophils	10^3/µL
ABASO	Absolute Basophils	10^3/µL
ALUC	Absolute Large Unstained Cells	10^3/µL

ERYTHROCYTE AND PLATELET MORPHOLOGY (PLTMORPH)

Abbreviation	Cell Morphology	Range
Poly	Polychromasia	1+ = few
Poik	Poikilocytosis	2+ = slight
CLSL	Slight platelet clumping noted	3+ = moderate
CLSE	Severe platelet clumping noted	4+ = marked
LPO	Occasional large platelets noted	NAN = no abnormalities noted
LP1	1+ Large platelets noted	

Key to Other Abbreviations

ACMO = Automated Count Invalidated by Manual Observation

Appendix J

Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
1M	1311	15.0	46.6	8.54	151.6	992	7.8	54.5	17.6	32.2	13.7	24.37
0 ppm	1312	15.6	48.5	8.56	120.8	750	7.4	56.7	18.2	32.1	13.0	14.31
	1313	16.2	49.3	9.19	129.7	667	8.4	53.6	17.6	32.9	13.3	11.24
	1314	14.6	45.6	8.85	145.8	969	8.2	51.6	16.5	32.0	13.9	20.07
	1315	15.9	48.3	8.87	183.3	601	8.7	54.4	17.9	32.9	13.7	11.07
	1316	15.3	46.9	8.81	128.8	765	8.1	53.2	17.4	32.7	13.7	11.91
	1317	15.3	48.6	9.07	154.2	696	8.2	53.5	16.8	31.5	13.9	9.13
	1318	15.1	47.2	8.18	202.5	1067	8.2	57.7	18.4	32.0	13.3	9.57
	1319	16.2	49.8	9.47	110.6	704	8.4	52.6	17.1	32.5	12.8	10.12
	1320	14.9	46.4	8.55	147.6	945	7.8	54.2	17.5	32.2	13.8	11.18
	Mean	15.4	47.7	8.81	147.5	816	8.1	54.2	17.5	32.3	13.5	13.30
	SD	0.55	1.37	0.373	28.11	162.1	0.37	1.82	0.59	0.45	0.39	5.016
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix J

Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
1M	1311	1.90	21.18	0.53	0.19	0.34	0.23	1+	1+	NAN
0 ppm	1312	1.94	11.60	0.32	0.10	0.16	0.19	1+	1+	NAN
	1313	1.42	9.27	0.24	0.15	0.10	0.06	1+	1+	CLSL
	1314	1.85	17.44	0.32	0.09	0.22	0.14	2+	1+	NAN
	1315	1.91	8.63	0.25	0.17	0.08	0.04	1+	1+	CLSE
	1316	1.19	10.15	0.25	0.12	0.10	0.09	1+	1+	CLSL
	1317	1.61	7.10	0.26	0.06	0.06	0.04	1+	1+	NAN
	1318	2.31	6.77	0.21	0.16	0.05	0.06	NAN	1+	NAN
	1319	1.19	8.46	0.21	0.15	0.08	0.04	1+	1+	NAN
	1320	1.20	9.47	0.22	0.11	0.07	0.11	2+	1+	NAN
	Mean	1.65	11.01	0.28	0.13	0.13	0.10			
	SD	0.390	4.675	0.096	0.041	0.091	0.067			
	n	10	10	10	10	10	10			

Appendix J

Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
2M	2311	16.0	49.4	8.74	177.4	954	7.9	56.6	18.3	32.3	13.5	13.22
1000 ppm	2312	15.6	47.4	8.69	137.7	697	7.8	54.6	17.9	32.8	13.7	10.94
	2313	17.4	52.1	9.46	186.7	296	8.8	55.0	18.4	33.4	13.9	14.35
	2314	15.8	49.6	9.11	158.2	981	8.5	54.4	17.3	31.9	13.5	13.86
	2315	15.9	48.5	9.14	118.2	583	8.5	53.0	17.4	32.9	13.6	11.78
	2316	16.5	51.9	9.53	134.1	681	7.9	54.4	17.3	31.8	14.2	9.12
	2317	16.2	50.5	9.30	171.7	744	8.0	54.2	17.4	32.1	13.6	12.17
	2318	15.1	46.2	8.70	131.3	993	8.1	53.0	17.3	32.7	13.6	9.31
	2319	14.8	46.0	8.44	159.2	731	8.2	54.5	17.5	32.1	13.7	8.04
	2320	16.2	50.4	9.45	162.9	687	7.8	53.3	17.1	32.1	13.9	13.73
	Mean	16.0	49.2	9.06	153.7	735	8.2	54.3	17.6	32.4	13.7	11.65
	SD	0.72	2.16	0.388	22.39	210.2	0.34	1.07	0.45	0.52	0.22	2.228
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
2M	2311	1.73	10.92	0.32	0.07	0.09	0.09	1+	1+	NAN
1000 ppm	2312	1.22	9.26	0.21	0.10	0.10	0.05	1+	1+	NAN
	2313	1.83	11.83	0.21	0.21	0.16	0.09	1+	1+	CLSL
	2314	2.26	10.84	0.43	0.15	0.11	0.07	1+	1+	NAN
	2315	1.80	9.28	0.36	0.16	0.11	0.07	2+	1+	NAN
	2316	1.21	7.36	0.22	0.22	0.06	0.06	1+	1+	CLSE
	2317	1.91	9.57	0.32	0.21	0.09	0.07	2+	1+	NAN
	2318	1.62	7.26	0.20	0.13	0.06	0.05	2+	1+	NAN
	2319	1.09	6.61	0.16	0.09	0.05	0.03	1+	1+	NAN
	2320	9.25	3.86	0.40	0.07	0.07	0.07	1+	1+	NAN
	Mean	2.39	8.68	0.28	0.14	0.09	0.07			
	SD	2.437	2.412	0.095	0.058	0.033	0.018			
	n	10	10	10	10	10	10			

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
3M	3311	16.2	48.5	8.93	145.2	503	8.1	54.3	18.2	33.4	13.5	10.50
5000 ppm	3312	16.2	49.7	9.15	110.8	868	8.2	54.3	17.7	32.6	12.8	11.91
	3313	17.4	52.4	9.41	157.6	506	8.1	55.6	18.5	33.3	13.9	11.02
	3314	15.4	45.3	8.14	162.2	761	8.1	55.7	18.9	33.9	12.8	8.09
	3315	16.1	49.8	9.10	114.2	923	8.1	54.8	17.7	32.4	12.8	12.41
	3316	16.6	51.5	9.13	146.3	666	8.2	56.4	18.1	32.1	14.5	9.80
	3317	15.5	47.9	9.14	126.0	632	8.0	52.4	16.9	32.3	12.5	9.70
	3318	16.4	53.2	9.63	170.4	862	8.3	55.3	17.0	30.8	12.9	11.16
	3319	15.5	47.8	8.92	151.4	899	7.8	53.6	17.4	32.4	13.3	11.33
	3320	16.2	50.3	9.16	109.5	947	7.9	54.9	17.7	32.3	13.3	8.72
	Mean	16.2	49.6	9.07	139.4	757	8.1	54.7	17.8	32.6	13.2	10.46
	SD	0.60	2.37	0.389	22.52	169.5	0.15	1.15	0.63	0.85	0.61	1.379
	n	10	10	10	10	10	10	10	10	10	10	10

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Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
3M	3311	1.89	7.98	0.31	0.16	0.08	0.07	1+	1+	NAN
5000 ppm	3312	1.00	10.41	0.23	0.08	0.10	0.08	1+	1+	NAN
	3313	2.19	8.10	0.25	0.32	0.10	0.05	1+	1+	CLSL
	3314	1.08	6.61	0.23	0.08	0.05	0.04	2+	1+	NAN
	3315	1.33	10.57	0.27	0.06	0.10	0.08	1+	1+	NAN
	3316	1.75	7.61	0.22	0.09	0.09	0.04	1+	1+	NAN
	3317	1.91	7.31	0.26	0.08	0.07	0.07	1+	1+	NAN
	3318	1.29	9.53	0.10	0.06	0.09	0.09	1+	1+	NAN
	3319	1.53	9.22	0.28	0.13	0.08	0.09	2+	1+	NAN
	3320	2.14	6.07	0.28	0.14	0.06	0.04	1+	1+	NAN
	Mean	1.61	8.34	0.24	0.12	0.08	0.07			
	SD	0.428	1.541	0.057	0.078	0.018	0.021			
	n	10	10	10	10	10	10			

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
4M	4311	14.3	44.5	8.21	182.7	611	8.2	54.2	17.5	32.2	13.7	9.40
10000 ppm	4312	15.4	48.0	8.75	173.4	1010	7.8	54.9	17.6	32.0	13.2	16.13
	4313	16.2	49.8	9.23	138.5	465	9.3	53.9	17.6	32.6	13.7	14.36
	4314	16.1	50.1	9.15	143.0	814	8.6	54.8	17.6	32.1	13.3	16.93
	4315	16.4	50.7	9.18	144.2	867	8.0	55.3	17.9	32.4	12.9	9.31
	4316	16.5	50.6	9.19	169.8	858	8.3	55.1	18.0	32.7	14.2	14.31
	4317	15.9	49.5	8.86	131.6	554	8.6	55.8	17.9	32.2	13.3	9.29
	4318	15.5	49.5	8.80	166.2	1078	8.3	56.3	17.6	31.3	13.7	8.40
	4319	14.6	43.8	8.27	129.3	915	7.3	52.9	17.7	33.5	12.2	13.22
	4320	15.9	48.0	8.88	143.5	800	7.7	54.1	17.9	33.2	13.2	7.97
	Mean	15.7	48.5	8.85	152.2	797	8.2	54.7	17.7	32.4	13.3	11.93
	SD	0.74	2.45	0.368	18.99	197.5	0.56	0.99	0.18	0.63	0.54	3.403
	n	10	10	10	10	10	10	10	10	10	10	10

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Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
4M	4311	1.11	7.83	0.16	0.19	0.06	0.05	3+	2+	NAN
10000 ppm	4312	1.84	13.47	0.38	0.15	0.16	0.12	2+	2+	NAN
	4313	2.32	11.21	0.30	0.29	0.14	0.09	1+	1+	CLSL
	4314	1.21	14.70	0.51	0.20	0.20	0.12	1+	1+	NAN
	4315	1.14	7.62	0.27	0.19	0.05	0.03	1+	1+	NAN
	4316	3.10	10.47	0.36	0.22	0.11	0.05	2+	1+	NAN
	4317	1.50	7.42	0.11	0.18	0.06	0.03	2+	1+	NAN
	4318	0.93	7.21	0.13	0.06	0.04	0.04	NAN	1+	NAN
	4319	1.85	10.81	0.24	0.14	0.11	0.07	2+	1+	NAN
	4320	1.45	6.16	0.20	0.09	0.04	0.03	1+	1+	NAN
	Mean	1.65	9.69	0.27	0.17	0.10	0.06			
	SD	0.663	2.888	0.125	0.065	0.056	0.036			
	n	10	10	10	10	10	10			

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
1F	1811	15.9	47.8	8.41	169.2	1285	7.9	56.9	18.9	33.2	12.8	14.25
0 ppm	1812	15.4	46.3	8.38	170.3	575	8.4	55.2	18.4	33.3	12.9	13.26
	1813	14.9	45.1	8.15	99.6	858	8.5	55.4	18.2	32.9	12.5	10.31
	1814	15.9	47.1	8.58	122.5	724	8.2	54.9	18.6	33.8	12.8	11.85
	1815	15.4	46.1	8.14	140.3	888	7.6	56.7	18.9	33.3	12.6	11.36
	1816	15.2	47.8	8.46	148.4	848	8.4	56.5	18.0	31.9	12.9	8.85
	1817	16.6	53.6	9.49	230.4	819	7.6	56.4	17.5	31.0	12.3	10.06
	1818	16.1	49.1	8.82	180.3	815	7.7	55.7	18.2	32.7	13.8	9.27
	1819	15.1	47.4	8.18	144.8	1066	8.1	58.0	18.5	31.9	12.7	9.01
	1820	15.7	52.4	8.86	198.1	874	8.0	59.2	17.7	29.9	13.0	13.41
	Mean	15.6	48.3	8.55	160.4	875	8.0	56.5	18.3	32.4	12.8	11.16
	SD	0.52	2.74	0.418	37.74	190.1	0.34	1.33	0.47	1.21	0.40	1.972
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix J

Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
1F	1811	1.58	11.77	0.46	0.18	0.15	0.11	3+	2+	NAN
0 ppm	1812	2.54	9.89	0.42	0.19	0.11	0.11	3+	2+	NAN
	1813	1.03	8.64	0.35	0.17	0.05	0.07	1+	1+	CLSL
	1814	1.41	9.92	0.24	0.12	0.10	0.06	1+	1+	NAN
	1815	0.92	9.91	0.30	0.08	0.08	0.07	3+	2+	NAN
	1816	0.90	7.69	0.11	0.08	0.05	0.02	NAN	1+	LPO
	1817	1.91	7.56	0.31	0.16	0.07	0.05	NAN	1+	NAN
	1818	1.78	7.01	0.27	0.10	0.08	0.04	1+	1+	CLSL
	1819	0.90	7.57	0.45	0.09	0.00	ACMO	1+	1+	NAN
	1820	1.95	10.91	0.29	0.10	0.11	0.05	1+	1+	CLSL
	Mean	1.49	9.09	0.32	0.13	0.08	0.06			
	SD	0.560	1.621	0.106	0.043	0.041	0.030			
	n	10	10	10	10	10	9			

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Appendix J

Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
2F	2811	14.8	44.3	8.13	199.0	664	7.6	54.4	18.2	33.3	12.8	9.01
1000 ppm	2812	14.9	43.1	7.78	117.6	936	7.5	55.4	19.2	34.6	12.5	13.03
	2813	14.4	43.6	8.24	124.5	752	7.8	52.9	17.4	33.0	13.5	7.74
	2814	15.8	49.0	8.77	137.5	632	8.3	55.8	18.0	32.2	12.5	11.29
	2815	14.4	43.4	7.77	166.1	955	7.5	55.8	18.6	33.3	13.2	7.72
	2816	16.2	49.5	8.74	172.6	568	8.2	56.7	18.5	32.6	12.8	6.81
	2817	15.0	49.7	9.40	139.9	586	8.4	52.9	15.9	30.1	13.4	8.11
	2818	15.7	52.4	9.11	201.0	923	7.9	57.5	17.3	30.0	13.3	10.93
	2819	16.5	52.7	9.09	196.7	491	8.1	58.0	18.1	31.2	12.9	6.91
	2820	15.7	50.8	8.56	173.0	881	8.6	59.3	18.3	30.9	12.1	10.40
	Mean	15.3	47.9	8.56	162.8	739	8.0	55.9	18.0	32.1	12.9	9.20
	SD	0.74	3.85	0.566	31.28	173.5	0.39	2.10	0.91	1.52	0.45	2.107
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
2F	2811	1.10	7.35	0.31	0.14	0.05	0.05	3+	2+	NAN
1000 ppm	2812	1.77	10.66	0.37	0.06	0.11	0.05	1+	1+	NAN
	2813	1.17	6.24	0.15	0.06	0.06	0.06	2+	1+	NAN
	2814	1.84	8.60	0.49	0.20	0.11	0.04	3+	2+	CLSE
	2815	1.29	6.12	0.16	0.05	0.06	0.04	2+	1+	NAN
	2816	0.81	5.69	0.14	0.10	0.05	0.02	1+	2+	NAN
	2817	1.86	5.76	0.29	0.11	0.04	0.04	1+	1+	NAN
	2818	1.22	9.10	0.35	0.08	0.10	0.09	NAN	1+	LPO
	2819	1.37	4.95	0.28	0.23	0.04	0.04	1+	2+	CLSE
	2820	0.59	9.29	0.22	0.11	0.08	0.11	1+	2+	CLSE
	Mean	1.30	7.38	0.28	0.11	0.07	0.05			
	SD	0.427	1.919	0.112	0.060	0.028	0.027			
	n	10	10	10	10	10	10			

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Appendix J
Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
3F	3811	16.6	49.6	8.75	122.8	516	8.4	56.7	18.9	33.4	13.3	9.21
5000 ppm	3812	16.7	51.1	9.03	156.3	580	9.0	56.5	18.5	32.8	12.8	9.05
	3813	14.9	44.2	7.82	111.1	662	8.4	56.5	19.0	33.7	12.8	8.02
	3814	15.8	48.1	8.21	173.3	700	8.3	58.6	19.2	32.8	13.2	6.24
	3815	14.8	43.9	7.81	152.5	910	7.7	56.2	19.0	33.8	13.2	7.80
	3816	15.2	45.1	7.79	164.5	568	8.4	57.9	19.5	33.7	13.3	6.29
	3817	15.4	49.5	8.85	132.2	438	8.0	55.9	17.4	31.2	13.7	11.60
	3818	15.7	48.7	8.63	135.1	699	7.8	56.5	18.2	32.2	12.9	4.06
	3819	15.1	49.0	8.51	225.0	931	7.5	57.5	17.7	30.8	12.1	6.31
	3820	15.3	47.8	8.66	119.2	953	7.5	55.2	17.6	32.0	12.1	7.68
	Mean	15.6	47.7	8.41	149.2	696	8.1	56.8	18.5	32.6	12.9	7.63
	SD	0.66	2.47	0.465	33.60	181.7	0.48	1.00	0.74	1.07	0.52	2.073
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix J

Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
3F	3811	1.39	7.14	0.27	0.29	0.09	0.04	3+	2+	NAN
5000 ppm	3812	1.12	7.36	0.18	0.28	0.08	0.03	1+	1+	NAN
	3813	1.28	6.16	0.31	0.16	0.06	0.06	3+	2+	CLSL
	3814	1.17	4.75	0.08	0.17	0.05	0.02	1+	1+	NAN
	3815	1.28	6.19	0.16	0.09	0.04	0.04	3+	2+	NAN
	3816	0.93	4.95	0.25	0.09	0.04	0.04	1+	1+	LP1
	3817	2.72	8.30	0.24	0.23	0.08	0.04	1+	2+	NAN
	3818	1.07	2.67	0.14	0.14	0.01	0.03	1+	2+	CLSL
	3819	0.78	5.22	0.20	0.04	0.03	0.04	NAN	1+	NAN
	3820	0.71	6.64	0.17	0.06	0.06	0.04	1+	NAN	LPO
	Mean	1.25	5.94	0.20	0.16	0.05	0.04			
	SD	0.563	1.607	0.068	0.089	0.025	0.010			
	n	10	10	10	10	10	10			

Appendix J

Individual Hematology Values - Termination

Group	Animal Number	HGB	HCT	RBC	RETIC	PLT	MPV	MCV	MCH	MCHC	RDW	WBC
		g/dL	%	x10^6/uL	x10^9/L	x10^3/uL	fL	fL	pg	g/dL	%	x10^3/uL
4F	4811	15.7	48.7	8.35	228.2	1068	7.9	58.3	18.8	32.2	13.2	9.31
10000 ppm	4813	14.9	43.6	8.07	104.7	561	8.3	54.0	18.5	34.2	13.4	7.34
	4814	15.1	46.0	7.92	164.3	1112	8.0	58.1	19.1	32.8	13.4	12.76
	4815	15.8	47.6	8.84	157.0	535	7.8	53.9	17.9	33.2	12.6	9.92
	4816	15.6	50.7	8.85	120.6	620	7.7	57.3	17.6	30.7	12.6	10.66
	4817	15.6	48.2	8.73	118.7	670	7.4	55.2	17.8	32.3	12.9	9.89
	4818	15.0	46.6	8.54	145.8	956	8.1	54.6	17.5	32.1	12.6	6.95
	4819	16.1	49.4	8.59	176.6	1048	8.0	57.6	18.7	32.5	13.2	10.07
	4820	15.4	48.8	8.39	230.9	1217	8.2	58.2	18.3	31.5	12.6	8.66
	Mean	15.5	47.7	8.48	160.8	865	7.9	56.4	18.2	32.4	12.9	9.51
	SD	0.40	2.10	0.326	45.41	266.3	0.27	1.89	0.57	0.99	0.36	1.751
	n	9	9	9	9	9	9	9	9	9	9	9

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Appendix J

Individual Hematology Values - Termination

Group	Animal Number	ANEU	ALYM	AMONO	AEOS	ABASO	ALUC	Poik	Poly	PLT MORPH
		x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL	x10^3/uL			
4F	4811	0.91	8.02	0.18	0.06	0.07	0.07	3+	2+	NAN
10000 ppm	4813	1.85	5.04	0.19	0.19	0.04	0.03	2+	1+	CLSL
	4814	2.23	9.91	0.30	0.15	0.10	0.07	3+	2+	NAN
	4815	1.56	7.84	0.26	0.15	0.06	0.05	1+	1+	NAN
	4816	0.73	9.54	0.12	0.15	0.06	0.06	1+	2+	NAN
	4817	1.82	7.52	0.23	0.21	0.07	0.04	1+	1+	NAN
	4818	1.30	5.23	0.22	0.09	0.05	0.05	1+	2+	NAN
	4819	1.41	7.98	0.34	0.18	0.07	0.10	1+	2+	LPO
	4820	2.98	5.18	0.33	0.06	0.06	0.06	1+	1+	NAN
	Mean	1.64	7.36	0.24	0.14	0.06	0.06			
	SD	0.685	1.837	0.073	0.055	0.017	0.020			
	n	9	9	9	9	9	9			

	Individual Coagulation Values Preface	Appendix K

Abbreviation	Parameter	Reporting Units
PT	Prothrombin Time	seconds
APTT	Activated Partial Thromboplastin Time	seconds

Key to Other Abbreviations

CS = Clotted specimen
NVU Not valid due to unobtainable result

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Appendix K

Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
1M	1311	14.9	19.3
0 ppm	1312	16.0	23.5
	1313	16.1	22.4
	1314	14.0	19.3
	1315	13.4	15.4
	1316	13.4	NVU
	1317	13.8	15.8
	1318	14.5	14.7
	1319	13.9	17.6
	1320	15.5	20.7
	Mean	14.6	18.7
	SD	1.03	3.12
	n	10	9

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
2M	2311	15.6	28.6
1000 ppm	2312	15.3	21.3
	2313	13.9	20.4
	2314	CS	CS
	2315	14.2	16.3
	2316	14.2	NVU
	2317	13.9	19.0
	2318	14.3	17.6
	2319	13.4	13.3
	2320	13.1	17.7
	Mean	14.2	19.3
	SD	0.81	4.51
	n	9	8

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
3M	3311	14.7	20.7
5000 ppm	3312	14.7	18.4
	3313	15.6	22.8
	3314	14.2	10.3
	3315	15.3	23.0
	3316	13.8	20.9
	3317	14.4	17.5
	3318	15.0	17.3
	3319	14.0	18.3
	3320	13.9	15.3
	Mean	14.6	18.5
	SD	0.61	3.79
	n	10	10

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
4M	4311	14.9	20.2
10000 ppm	4312	14.1	19.9
	4313	14.0	18.6
	4314	14.8	17.8
	4315	13.9	18.4
	4316	14.6	17.3
	4317	13.9	11.1
	4318	15.1	16.4
	4319	14.8	16.9
	4320	14.3	14.5
	Mean	14.4	17.1
	SD	0.45	2.69
	n	10	10

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
1F	1811	14.5	20.1
0 ppm	1812	14.0	16.4
	1813	13.7	15.1
	1814	13.8	14.5
	1815	14.2	17.3
	1816	13.4	11.6
	1817	14.7	16.8
	1818	13.2	14.7
	1819	13.8	13.4
	1820	14.8	15.2
	Mean	14.0	15.5
	SD	0.54	2.32
	n	10	10

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
2F	2811	13.6	15.2
1000 ppm	2812	14.1	14.2
	2813	13.4	19.9
	2814	13.8	15.5
	2815	13.9	20.0
	2816	14.7	12.5
	2817	13.8	11.7
	2818	13.6	14.8
	2819	14.2	13.3
	2820	14.2	12.5
	Mean	13.9	15.0
	SD	0.38	2.91
	n	10	10

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
3F	3811	14.2	18.0
5000 ppm	3812	14.1	19.0
	3813	13.5	19.5
	3814	15.2	18.4
	3815	13.4	16.4
	3816	14.3	12.0
	3817	15.0	13.3
	3818	14.6	11.7
	3819	13.8	16.5
	3820	14.4	14.5
	Mean	14.3	15.9
	SD	0.59	2.89
	n	10	10

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Appendix K
Individual Coagulation Values - Termination

Group	Animal Number	PT	APTT
		Seconds	Seconds
4F	4811	14.4	18.8
10000 ppm	4813	13.8	17.5
	4814	14.0	19.1
	4815	14.2	18.1
	4816	15.2	11.6
	4817	14.0	11.5
	4818	13.7	10.8
	4819	13.6	12.1
	4820	14.5	12.2
	Mean	14.2	14.6
	SD	0.50	3.60
	n	9	9

	Individual Clinical Chemistry Values Preface	Appendix L

Abbreviation	Parameter	Reporting Units
AST	Aspartate Aminotransferase	U/L
ALT	Alanine Aminotransferase	U/L
ALKP	Alkaline Phosphatase	U/L
BUN	Blood Urea Nitrogen	mg/dL
CK	Creatine Kinase	U/L
CREAT	Creatinine	mg/dL
GLU	Fasting Glucose	mg/dL
CHOL	Cholesterol (Enzymatic)	mg/dL
LD	Lactate Dehydrogenase	U/L
TRIG	Triglycerides	mg/dL
TP	Total Protein	g/dL
ALB	Albumin	g/dL
Glob	Globulin (calculated)	g/dL
A/G	Albumin/Globulin Ratio (calculated)	
DBILI	Direct Bilirubin	mg/dL
IBILI	Indirect Bilirubin	mg/dL
TBILI	Total Bilirubin	mg/dL
Na^+	Sodium	mEq/L
K^+	Potassium	mEq/L
Cl^-	Chloride	mEq/L
Ca^{++}	Calcium	mg/dL
PHOS	Inorganic Phosphorus	mg/dL
GGT	Gamma-Glutamyl Transferase	U/L

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
1M	1311	84	43	81	87	12	0.4	234	110	61	87	6.6
0 ppm	1312	94	48	74	85	15	0.4	232	108	53	37	6.9
	1313	88	43	72	156	15	0.4	129	133	29	48	7.0
	1314	63	42	85	37	13	0.3	114	103	63	55	6.9
	1315	80	37	89	317	13	0.4	191	197	60	69	7.0
	1316	85	49	88	156	13	0.3	130	315	52	54	6.2
	1317	78	44	104	84	13	0.3	133	103	49	44	6.8
	1318	85	40	90	303	13	0.4	227	386	60	48	7.0
	1319	63	41	71	75	12	0.3	232	113	73	82	7.2
	1320	58	32	71	60	12	0.3	134	106	64	71	6.9
	Mean	78	42	83	136	13	0.4	176	167	56	60	6.9
	SD	12.2	5.0	10.8	99.1	1.1	0.05	51.9	101.9	11.8	16.8	0.28
	n	10	10	10	10	10	10	10	10	10	10	10

Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
1M	1311	3.6	3.0	1.2	0.13	0.06	0.07	146	5.4	103	11.4	10.1
0 ppm	1312	3.7	3.2	1.2	0.11	0.07	0.04	147	4.3	105	10.9	8.7
	1313	3.9	3.1	1.3	0.10	0.06	0.04	147	6.3	105	11.1	7.8
	1314	3.8	3.1	1.2	0.12	0.05	0.07	148	5.2	104	11.5	7.4
	1315	3.8	3.2	1.2	0.11	0.07	0.04	146	5.1	103	11.9	7.9
	1316	3.6	2.6	1.4	0.13	0.02	0.11	147	6.1	105	10.5	9.1
	1317	3.8	3.0	1.3	0.12	0.02	0.10	146	6.2	102	11.3	9.9
	1318	3.8	3.2	1.2	0.13	0.01	0.12	144	5.7	104	11.0	9.6
	1319	4.0	3.2	1.3	0.13	0.02	0.11	146	5.4	102	12.1	8.5
	1320	3.7	3.2	1.2	0.12	0.01	0.11	146	6.1	100	11.3	8.2
	Mean	3.8	3.1	1.3	0.12	0.04	0.08	146	5.6	103	11.3	8.7
	SD	0.13	0.19	0.07	0.011	0.025	0.033	1.1	0.63	1.6	0.47	0.93
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
1M	1311	<3
0 ppm	1312	<3
	1313	<3
	1314	<3
	1315	<3
	1316	<3
	1317	<3
	1318	<3
	1319	<3
	1320	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
2M	2311	70	39	96	95	13	0.3	144	175	48	82	7.1
1000 ppm	2312	75	38	89	154	12	0.4	128	152	59	76	7.0
	2313	83	42	113	139	14	0.4	218	133	54	75	6.9
	2314	94	38	76	291	15	0.4	168	659	49	77	6.7
	2315	119	49	132	663	16	0.5	162	471	52	36	7.3
	2316	86	44	92	162	11	0.4	130	153	73	34	7.1
	2317	73	42	103	112	12	0.3	142	132	51	55	7.1
	2318	78	52	82	62	14	0.4	110	191	62	40	7.2
	2319	71	37	94	60	13	0.3	112	97	70	69	6.5
	2320	71	48	148	66	13	0.3	132	96	73	32	7.3
	Mean	82	43	103	180	13	0.4	145	226	59	58	7.0
	SD	15.1	5.2	22.6	183.0	1.5	0.07	31.9	186.5	9.9	20.4	0.26
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
2M	2311	3.8	3.3	1.2	0.14	0.06	0.08	148	5.6	103	11.1	8.1
1000 ppm	2312	3.7	3.3	1.1	0.10	0.08	0.02	146	6.9	103	11.4	9.0
	2313	3.8	3.1	1.2	0.12	0.06	0.06	145	4.8	103	11.4	8.8
	2314	3.6	3.1	1.2	0.11	0.05	0.06	146	5.0	103	10.5	8.9
	2315	3.9	3.4	1.1	0.16	0.07	0.09	146	5.4	104	11.7	10.2
	2316	3.7	3.4	1.1	0.11	0.02	0.09	146	6.0	105	11.0	8.7
	2317	3.9	3.2	1.2	0.15	0.01	0.14	147	5.7	105	11.4	8.6
	2318	3.7	3.5	1.1	0.12	0.01	0.11	154	5.9	104	11.2	7.0
	2319	3.6	2.9	1.2	0.14	0.02	0.12	147	6.1	102	10.9	8.9
	2320	3.9	3.4	1.1	0.10	0.02	0.08	146	6.1	101	11.0	7.2
	Mean	3.8	3.3	1.2	0.13	0.04	0.09	147	5.8	103	11.2	8.5
	SD	0.12	0.18	0.05	0.021	0.027	0.034	2.6	0.60	1.3	0.34	0.92
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
2M	2311	<3
1000 ppm	2312	<3
	2313	<3
	2314	<3
	2315	<3
	2316	<3
	2317	<3
	2318	<3
	2319	<3
	2320	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
3M	3311	77	40	86	73	11	0.3	113	118	60	59	6.8
5000 ppm	3312	81	38	106	104	11	0.4	227	205	57	42	7.2
	3313	97	50	117	114	15	0.4	121	144	36	73	7.0
	3314	86	45	85	242	15	0.4	200	194	61	33	6.4
	3315	93	44	113	110	12	0.4	124	317	52	50	7.4
	3316	79	41	104	202	15	0.3	140	161	44	53	7.1
	3317	74	46	112	59	11	0.3	128	99	60	39	7.1
	3318	75	37	95	47	13	0.3	146	92	51	39	7.0
	3319	92	39	82	118	15	0.4	142	143	77	43	6.9
	3320	81	35	76	88	14	0.4	230	342	55	43	7.1
	Mean	84	42	98	116	13	0.4	157	182	55	47	7.0
	SD	8.1	4.6	14.7	61.6	1.8	0.05	44.6	86.3	11.0	11.8	0.27
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
3M	3311	3.9	2.9	1.3	0.20	0.07	0.13	149	6.2	102	11.4	7.7
5000 ppm	3312	3.8	3.4	1.1	0.08	0.06	0.02	148	4.9	105	11.7	8.3
	3313	4.1	2.9	1.4	0.18	0.07	0.11	149	6.1	103	11.1	6.7
	3314	3.7	2.7	1.4	0.11	0.05	0.06	147	5.1	105	10.7	8.0
	3315	4.0	3.4	1.2	0.13	0.07	0.06	148	5.9	104	11.5	7.9
	3316	4.0	3.1	1.3	0.13	0.01	0.12	148	5.4	106	11.2	7.7
	3317	3.8	3.3	1.2	0.13	0.02	0.11	149	5.5	103	11.4	8.2
	3318	3.9	3.1	1.3	0.09	0.01	0.08	151	5.9	105	11.9	8.7
	3319	3.7	3.2	1.2	0.15	0.01	0.14	149	6.2	104	11.7	9.3
	3320	3.7	3.4	1.1	0.14	0.01	0.13	146	5.9	104	12.2	11.4
	Mean	3.9	3.1	1.3	0.13	0.04	0.10	148	5.7	104	11.5	8.4
	SD	0.14	0.25	0.11	0.037	0.028	0.039	1.3	0.46	1.2	0.43	1.26
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
3M	3311	<3
5000 ppm	3312	<3
	3313	<3
	3314	<3
	3315	<3
	3316	<3
	3317	<3
	3318	<3
	3319	<3
	3320	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
4M	4311	82	40	127	246	12	0.3	124	207	100	49	6.9
10000 ppm	4312	81	41	71	70	13	0.3	129	118	72	48	7.4
	4313	93	61	116	198	13	0.3	151	179	65	122	7.0
	4314	106	54	82	380	15	0.4	147	277	59	55	6.6
	4315	128	56	103	587	15	0.4	133	471	59	62	6.8
	4316	75	34	82	224	13	0.3	182	200	55	57	7.4
	4317	87	57	119	60	10	0.3	158	143	52	40	7.1
	4318	75	32	100	44	12	0.3	110	95	33	45	6.6
	4319	82	38	60	105	16	0.3	120	120	54	38	6.3
	4320	92	51	102	47	12	0.4	122	110	45	50	6.9
	Mean	90	46	96	196	13	0.3	138	192	59	57	6.9
	SD	16.3	10.5	21.9	175.7	1.8	0.05	21.7	112.9	17.8	24.1	0.35
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
4M	4311	3.8	3.1	1.2	0.13	0.07	0.06	148	5.7	102	11.0	8.7
10000 ppm	4312	3.9	3.5	1.1	0.14	0.09	0.05	148	6.3	103	11.3	9.3
	4313	3.9	3.1	1.3	0.10	0.07	0.03	147	6.6	104	11.4	8.5
	4314	3.7	2.9	1.3	0.10	0.07	0.03	147	6.8	105	11.1	8.0
	4315	3.9	2.9	1.3	0.15	0.08	0.07	148	6.5	106	11.0	9.5
	4316	4.0	3.4	1.2	0.13	0.02	0.11	144	7.0	103	12.1	11.0
	4317	4.0	3.1	1.3	0.14	0.03	0.11	149	6.4	104	11.8	11.1
	4318	3.8	2.8	1.4	0.08	0.02	0.06	149	5.5	105	11.4	9.5
	4319	3.6	2.7	1.3	0.12	0.01	0.11	150	5.6	103	11.6	9.4
	4320	3.9	3.0	1.3	0.13	0.01	0.12	150	6.1	103	11.7	9.0
	Mean	3.9	3.1	1.3	0.12	0.05	0.08	148	6.3	104	11.4	9.4
	SD	0.13	0.25	0.08	0.022	0.032	0.035	1.8	0.51	1.2	0.36	0.99
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
4M	4311	<3
10000 ppm	4312	<3
	4313	<3
	4314	<3
	4315	<3
	4316	<3
	4317	<3
	4318	<3
	4319	<3
	4320	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
1F	1811	77	26	37	434	14	0.4	101	242	51	30	7.2
0 ppm	1812	88	33	41	469	15	0.4	126	350	74	49	7.5
	1813	102	45	46	344	18	0.5	175	628	75	38	7.5
	1814	125	52	36	268	14	0.4	181	250	59	33	7.1
	1815	81	37	41	58	13	0.4	105	155	97	34	7.3
	1816	160	77	53	100	12	0.3	120	209	94	56	7.7
	1817	82	31	62	70	16	0.5	128	112	48	52	7.2
	1818	82	56	43	97	17	0.4	153	356	76	65	7.4
	1819	80	35	49	98	12	0.4	135	126	59	29	7.4
	1820	76	34	60	83	15	0.4	140	140	63	34	8.1
	Mean	95	43	47	202	15	0.4	136	257	70	42	7.4
	SD	27.2	15.4	9.1	161.3	2.0	0.06	26.8	156.7	16.7	12.5	0.29
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
1F	1811	4.1	3.1	1.3	0.14	0.06	0.08	147	6.4	102	11.7	7.6
0 ppm	1812	4.1	3.4	1.2	0.15	0.07	0.08	144	5.9	103	11.6	6.3
	1813	4.2	3.3	1.3	0.17	0.08	0.09	144	4.7	104	11.7	8.5
	1814	4.0	3.1	1.3	0.14	0.06	0.08	144	5.2	105	11.7	8.7
	1815	4.2	3.1	1.4	0.14	0.07	0.07	148	6.0	104	12.0	7.7
	1816	4.4	3.3	1.3	0.13	0.05	0.08	144	5.7	100	11.7	5.6
	1817	4.0	3.2	1.3	0.13	0.07	0.06	145	5.5	102	11.3	7.0
	1818	4.4	3.0	1.5	0.08	0.03	0.05	146	6.4	99	11.9	7.2
	1819	4.1	3.3	1.2	0.05	0.04	0.01	144	5.9	105	12.3	8.0
	1820	4.5	3.6	1.3	0.14	0.06	0.08	146	5.6	103	11.9	7.9
	Mean	4.2	3.2	1.3	0.13	0.06	0.07	145	5.7	103	11.8	7.5
	SD	0.18	0.18	0.09	0.035	0.015	0.023	1.5	0.52	2.0	0.27	0.96
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L
Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
1F	1811	<3
0 ppm	1812	<3
	1813	<3
	1814	<3
	1815	<3
	1816	<3
	1817	<3
	1818	<3
	1819	<3
	1820	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
2F	2811	101	28	44	598	14	0.5	110	340	67	27	7.6
1000 ppm	2812	80	37	33	384	14	0.4	98	237	97	42	8.1
	2813	72	34	35	93	14	0.4	125	120	82	54	8.3
	2814	102	51	34	157	15	0.4	142	402	105	70	8.0
	2815	74	31	49	59	11	0.4	100	137	61	29	7.8
	2816	74	31	45	38	14	0.4	207	108	65	57	7.4
	2817	110	49	44	108	14	0.4	142	494	55	32	8.0
	2818	77	51	40	60	13	0.4	173	108	97	54	8.3
	2819	68	31	34	61	13	0.3	198	130	106	65	8.0
	2820	99	48	39	69	13	0.4	153	142	69	30	7.7
	Mean	86	39	40	163	14	0.4	145	222	80	46	7.9
	SD	15.5	9.5	5.6	183.3	1.1	0.05	38.6	141.0	19.4	16.0	0.29
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
2F	2811	4.2	3.4	1.2	0.17	0.06	0.11	144	6.2	104	11.3	6.8
1000 ppm	2812	4.6	3.5	1.3	0.20	0.07	0.13	146	5.6	103	11.7	6.1
	2813	4.7	3.6	1.3	0.12	0.06	0.06	145	6.5	103	11.6	7.1
	2814	4.6	3.4	1.4	0.18	0.06	0.12	145	5.8	102	11.6	6.3
	2815	4.2	3.6	1.2	0.14	0.08	0.06	147	5.5	103	11.7	6.2
	2816	4.1	3.3	1.2	0.10	0.05	0.05	146	4.9	103	12.2	7.5
	2817	4.5	3.5	1.3	0.12	0.05	0.07	144	6.0	103	12.0	7.4
	2818	4.6	3.7	1.2	0.11	0.05	0.06	145	6.4	101	12.2	7.5
	2819	4.6	3.4	1.4	0.12	0.06	0.06	145	6.8	104	11.8	8.2
	2820	4.4	3.3	1.3	0.06	0.05	0.01	149	6.3	105	12.2	8.1
	Mean	4.5	3.5	1.3	0.13	0.06	0.07	146	6.0	103	11.8	7.1
	SD	0.21	0.13	0.08	0.042	0.010	0.037	1.5	0.56	1.1	0.31	0.76
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L
Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
2F	2811	<3
1000 ppm	2812	<3
	2813	<3
	2814	<3
	2815	<3
	2816	<3
	2817	<3
	2818	<3
	2819	<3
	2820	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
3F	3811	86	34	34	276	16	0.5	203	298	91	32	7.9
5000 ppm	3812	90	38	52	88	13	0.5	218	221	39	26	7.3
	3813	77	47	33	132	13	0.4	111	319	106	45	8.8
	3814	67	34	65	51	15	0.4	129	79	72	24	7.5
	3815	75	36	38	102	14	0.3	119	96	61	19	7.2
	3816	93	69	37	75	15	0.4	163	159	81	68	8.2
	3817	67	35	34	58	15	0.3	131	250	69	30	7.9
	3818	73	43	61	58	18	0.5	152	102	94	36	7.7
	3819	60	28	38	31	14	0.3	117	64	100	44	8.5
	3820	150	99	40	61	16	0.4	131	102	84	29	7.8
	Mean	84	46	43	93	15	0.4	147	169	80	35	7.9
	SD	25.6	21.7	11.8	70.3	1.5	0.08	36.9	95.4	20.1	14.1	0.51
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
3F	3811	4.3	3.6	1.2	0.18	0.05	0.13	146	5.1	104	12.0	7.5
5000 ppm	3812	4.0	3.3	1.2	0.12	0.06	0.06	145	4.5	103	11.9	8.2
	3813	4.9	3.9	1.3	0.13	0.06	0.07	146	5.3	102	12.0	6.5
	3814	4.4	3.1	1.4	0.13	0.07	0.06	147	6.8	106	11.2	6.4
	3815	4.0	3.2	1.3	0.12	0.07	0.05	144	6.2	106	11.7	7.8
	3816	4.8	3.4	1.4	0.11	0.04	0.07	143	6.6	102	12.6	7.9
	3817	4.3	3.6	1.2	0.09	0.05	0.04	144	6.4	103	11.7	6.4
	3818	4.1	3.6	1.1	0.07	0.04	0.03	146	7.1	103	12.0	8.3
	3819	5.8	2.7	2.1	0.13	0.05	0.08	147	5.5	102	11.9	6.2
	3820	4.6	3.2	1.4	0.12	0.04	0.08	145	5.2	101	11.5	5.9
	Mean	4.5	3.4	1.4	0.12	0.05	0.07	145	5.9	103	11.9	7.1
	SD	0.55	0.34	0.28	0.029	0.012	0.028	1.3	0.86	1.7	0.37	0.91
	n	10	10	10	10	10	10	10	10	10	10	10

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
3F	3811	<3
5000 ppm	3812	<3
	3813	<3
	3814	<3
	3815	<3
	3816	<3
	3817	<3
	3818	<3
	3819	<3
	3820	<3
	Mean	
	SD	
	n	

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	AST	ALT	ALKP	LD	BUN	CREAT	GLU	CK	CHOL	TRIG	TP
		U/L	U/L	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	mg/dL	g/dL
4F	4811	82	41	66	197	14	0.4	123	136	74	33	7.5
10000 ppm	4813	81	39	49	296	12	0.3	106	198	51	32	7.2
	4814	94	36	47	56	13	0.3	94	99	77	30	7.5
	4815	109	42	40	110	16	0.5	193	357	74	37	7.3
	4816	75	36	59	92	14	0.4	204	119	58	40	7.5
	4817	138	119	49	44	9	0.4	155	88	68	40	7.3
	4818	85	48	36	55	14	0.3	106	169	94	77	8.2
	4819	85	41	69	49	12	0.4	158	84	67	30	7.1
	4820	78	32	34	57	14	0.4	110	109	43	23	7.1
	Mean	92	48	50	106	13	0.4	139	151	67	38	7.4
	SD	20.0	26.9	12.6	86.0	2.0	0.07	40.4	86.0	15.2	15.6	0.34
	n	9	9	9	9	9	9	9	9	9	9	9

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	ALB	Glob	A/G	TBILI	DBILI	IBILI	Na+	K+	Cl-	Ca++	PHOS
		g/dL	g/dL		mg/dL	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL
4F	4811	4.3	3.2	1.3	0.13	0.05	0.08	147	5.9	105	11.8	6.5
10000 ppm	4813	4.1	3.1	1.3	0.13	0.06	0.07	146	6.1	104	10.9	6.7
	4814	4.1	3.4	1.2	0.13	0.08	0.05	150	5.3	104	11.6	6.7
	4815	4.1	3.2	1.3	0.15	0.06	0.09	146	6.0	103	11.8	9.0
	4816	4.2	3.3	1.3	0.11	0.04	0.07	145	5.3	103	11.7	7.5
	4817	4.2	3.1	1.4	0.14	0.04	0.10	146	4.0	105	11.1	6.4
	4818	4.7	3.5	1.3	0.12	0.05	0.07	145	5.7	103	12.2	5.7
	4819	4.0	3.1	1.3	0.08	0.04	0.04	144	5.6	104	11.3	6.6
	4820	4.0	3.1	1.3	0.16	0.05	0.11	147	5.7	106	11.1	6.1
	Mean	4.2	3.2	1.3	0.13	0.05	0.08	146	5.5	104	11.5	6.8
	SD	0.21	0.15	0.05	0.023	0.013	0.022	1.7	0.63	1.1	0.42	0.96
	n	9	9	9	9	9	9	9	9	9	9	9

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Appendix L

Individual Clinical Chemistry Values - Termination

Group	Animal Number	GGT
		U/L
4F	4811	<3
10000 ppm	4813	<3
	4814	<3
	4815	<3
	4816	<3
	4817	<3
	4818	<3
	4819	<3
	4820	<3
	Mean	
	SD	
	n	

	Individual Organ Weights Preface	Appendix M

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Key to Abbreviations:

g	=	Grams
wt.	=	Weight
observ.	=	Observed
Thyroid/Para	=	Thyroid/Parathyroid Gland

Note: On 20 July 05 (Test Day 91) the company experienced a power failure in the late afternoon. The Necropsy department continued with the sacrifice while the data systems were being maintained by the back-up generator. However, when the back-up generator failed, the following data was no longer able to be collected or was not retrievable from the system:

Gross observations/Tissues collection:
- Animal No. 2812, 2814, 3315 & 4315

Organ weights:
- Animal Nos. 2315 & 3315 – Adrenals, Brain, Heart, Kidneys, Liver, Lung, Pituitary, Prostate, Seminal Vesicles, Spleen, Thymus
- Animal No. 4315 – Brain, Heart, Kidneys, Liver, Lung, Pituitary, Prostate, Seminal Vesicles, Spleen, Thymus
- Animal Nos. 2814 & 3815 – Adrenals, Brain, Heart, Kidneys, Liver, Lung, Pituitary, Spleen, Thymus, Ovaries and Uterus

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
				M a l e	A n i m a l s			
1311/M	1/1	584.3	0.0706	2.3385	2.1128	1.7873	4.6266	17.4227
1312/M	1/1	423.5	0.0504	2.1516	1.3915	1.4548	3.7179	11.5097
1313/M	1/1	415.6	0.0606	2.0857	1.2491	1.5996	3.1803	10.0335
1314/M	1/1	514.8	0.0632	2.2238	1.5626	1.4377	3.8035	15.6655
1315/M	1/1	576.4	0.0631	2.2015	1.6956	1.6993	4.4843	15.7538
1316/M	1/1	544.9	0.0621	2.1050	1.8189	2.0091	3.8799	13.8620
1317/M	1/1	509.9	0.0572	2.1752	1.4905	1.5757	3.9191	13.7483
1318/M	1/1	467.5	0.0670	2.1444	1.5423	1.5228	3.3765	13.1608
1319/M	1/1	475.8	0.0616	2.2203	1.3792	1.4401	3.9405	12.8034
1320/M	1/1	548.9	0.0766	2.4455	1.6379	1.7008	4.0716	14.5565
M e a n:		506.2	0.0632	2.2092	1.5880	1.6227	3.9000	13.8516
Standard deviation:		59.5	0.0071	0.1094	0.2477	0.1816	0.4392	2.1553
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	0.0614	2.1478	1.3746	1.4467	3.4859	13.1720
2312/M	2/1	577.3	0.0788	2.3081	1.6457	2.0186	3.9213	14.3223
2313/M	2/1	486.9	0.0549	2.1990	1.3973	1.4380	3.4751	12.4385
2314/M	2/1	610.2	0.0870	2.1979	1.6140	1.6984	4.2466	16.8221
2315/M	2/1	433.2			1.4274			
2316/M	2/1	443.1	0.0564	2.2262	1.8380	1.2705	3.4280	10.8832
2317/M	2/1	454.2	0.0641	2.0376	1.5634	1.4700	3.8068	12.6117
2318/M	2/1	475.8	0.0621	2.0786	1.5451	1.4029	3.8735	12.9852
2319/M	2/1	518.5	0.0739	2.0660	1.5151	1.4399	3.7528	13.5832
2320/M	2/1	429.4	0.0741	2.0460	1.6122	1.6496	3.6493	15.3345
M e a n:		489.1	0.0681	2.1452	1.5533	1.5372	3.7377	13.5725
Standard deviation:		61.7	0.0109	0.0941	0.1376	0.2212	0.2627	1.7383
Number of observ. :		(10)	(9)	(9)	(10)	(9)	(9)	(9)
3311/M	3/1	490.8	0.0603	2.1414	1.7486	1.3146	3.7869	13.0184
3312/M	3/1	460.4	0.0607	2.0768	1.3458	1.6386	3.4865	12.1376
3313/M	3/1	436.7	0.0593	2.1205	1.4908	1.3413	3.1618	10.7894
3314/M	3/1	490.0	0.0861	2.1091	1.4543	1.5243	3.8771	13.1675
3315/M	3/1	517.7			1.5223			
3316/M	3/1	464.6	0.0721	2.0439	1.3451	1.4602	3.3575	12.3716
3317/M	3/1	466.0	0.0578	2.1916	1.4453	1.4040	3.2107	11.1684
3318/M	3/1	424.7	0.0561	2.2286	1.5215	1.3981	3.2039	11.6268
3319/M	3/1	535.5	0.0574	2.1739	1.2793	1.5044	3.3939	12.7162
3320/M	3/1	470.3	0.0450	2.0883	1.2883	1.3471	3.6973	12.5583
M e a n:		475.7	0.0616	2.1305	1.4441	1.4370	3.4640	12.1727
Standard deviation:		34.0	0.0115	0.0592	0.1406	0.1050	0.2668	0.8223
Number of observ. :		(10)	(9)	(9)	(10)	(9)	(9)	(9)
4311/M	4/1	527.9	0.0689	2.2478	1.4836	1.6160	3.7378	15.7945
4312/M	4/1	619.6	0.0873	2.3332	1.4903	1.8780	4.8163	15.7292
4313/M	4/1	502.1	0.0633	2.2412	1.6727	1.9855	3.3653	13.2535

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
4314/M	4/1	485.7	0.0564	2.1438	1.3740	1.4664	3.2033	10.6939
4315/M	4/1	515.9	0.0537		1.5947			
4316/M	4/1	466.2	0.0638	2.1026	1.3232	1.4483	3.6131	11.6767
4317/M	4/1	447.0	0.0604	2.2012	1.4217	1.3082	3.7801	13.9658
4318/M	4/1	510.2	0.0545	1.9284	1.2520	1.5429	3.6605	13.5201
4319/M	4/1	498.2	0.0885	2.2368	1.6915	1.8063	3.7550	12.1430
4320/M	4/1	445.7	0.0741	2.1690	1.4817	1.3718	3.2404	10.9268
M e a n:		501.9	0.0671	2.1782	1.4785	1.6026	3.6858	13.0782
Standard deviation:		50.0	0.0127	0.1152	0.1439	0.2372	0.4788	1.8898
Number of observ. :		(10)	(10)	(9)	(10)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Lungs	Pituitary gland	Prostate	Seminal vesicles	Spleen	Testes
				M a l e	A n i m a l s			
1311/M	1/1	584.3	2.1203	0.0116	1.2764	2.7285	1.0185	3.7399
1312/M	1/1	423.5	1.8304	0.0116	1.4404	2.5888	0.6191	3.3741
1313/M	1/1	415.6	1.7048	0.0103	0.9459	1.2876	0.6239	3.3433
1314/M	1/1	514.8	1.7423	0.0117	0.7875	1.5938	0.9334	3.6322
1315/M	1/1	576.4	1.9923	0.0139	1.3470	1.8454	0.9345	3.7828
1316/M	1/1	544.9	1.8905	0.0079	1.0946	2.8751	0.8066	4.1102
1317/M	1/1	509.9	2.1207	0.0109	1.1267	1.6470	0.7867	3.3747
1318/M	1/1	467.5	2.1303	0.0097	1.0623	2.2486	0.7426	3.6749
1319/M	1/1	475.8	1.8350	0.0111	1.0452	1.8125	0.7840	3.7254
1320/M	1/1	548.9	2.4326	0.0167	1.4185	2.2221	0.8957	3.7030
	M e a n:	506.2	1.9799	0.0115	1.1545	2.0849	0.8145	3.6461
Standard deviation:		59.5	0.2238	0.0024	0.2125	0.5311	0.1326	0.2340
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	1.7965	0.0110	1.1094	1.9499	0.6670	3.4780
2312/M	2/1	577.3	2.1162	0.0117	0.8886	1.9385	0.8189	3.6922
2313/M	2/1	486.9	2.1498	0.0093	1.2336	2.3727	0.7082	3.7989
2314/M	2/1	610.2	2.2785	0.0151	1.3670	2.2889	1.0507	1.8500
2315/M	2/1	433.2						3.4571
2316/M	2/1	443.1	1.7757	0.0094	1.2691	1.7990	0.5240	3.5420
2317/M	2/1	454.2	1.7758	0.0111	0.9553	2.0640	0.6814	3.1770
2318/M	2/1	475.8	2.0285	0.0133	1.0437	1.7738	0.6628	3.6984
2319/M	2/1	518.5	2.1955	0.0096	1.4020	1.6127	0.8847	3.2212
2320/M	2/1	429.4	1.8135	0.0116	0.7251	2.3493	0.6817	3.2751
	M e a n:	489.1	1.9922	0.0113	1.1104	2.0165	0.7422	3.3190
Standard deviation:		61.7	0.2027	0.0019	0.2284	0.2725	0.1539	0.5575
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)
3311/M	3/1	490.8	2.0061	0.0121	1.0676	1.8947	0.8758	3.9651
3312/M	3/1	460.4	1.9576	0.0088	0.8539	1.8436	0.5752	3.3632
3313/M	3/1	436.7	1.8273	0.0104	1.1412	1.6172	0.7054	3.5875
3314/M	3/1	490.0	2.1889	0.0111	1.4429	2.5871	0.8754	3.3331
3315/M	3/1	517.7						3.0090
3316/M	3/1	464.6	2.0722	0.0107	1.0644	1.8358	0.6584	3.4141
3317/M	3/1	466.0	1.9705	0.0099	1.1150	1.3238	0.6313	3.5857
3318/M	3/1	424.7	1.5372	0.0109	1.2981	1.9614	0.6498	3.8682
3319/M	3/1	535.5	2.0388	0.0127	0.7692	1.6157	0.9672	2.8846
3320/M	3/1	470.3	2.0182	0.0105	0.7642	1.3842	0.5947	3.2678
	M e a n:	475.7	1.9574	0.0108	1.0574	1.7848	0.7259	3.4278
Standard deviation:		34.0	0.1848	0.0011	0.2312	0.3746	0.1426	0.3403
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)
4311/M	4/1	527.9	1.8657	0.0093	1.1363	2.0848	0.9981	3.3029
4312/M	4/1	619.6	2.5588	0.0128	0.9801	1.7748	1.0115	3.6253
4313/M	4/1	502.1	2.4029	0.0098	1.2002	2.0587	0.8233	3.2145

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Pituitary gland		Seminal vesicles			Testes
			Lungs		Prostate		Spleen	
4314/M	4/1	485.7	1.9406	0.0080	0.9688	1.2540	0.8086	3.3652
4315/M	4/1	515.9						3.9715
4316/M	4/1	466.2	2.0985	0.0100	1.0147	1.9978	0.6365	3.2263
4317/M	4/1	447.0	2.5167	0.0111	0.8720	2.1283	0.6678	3.3837
4318/M	4/1	510.2	1.9959	0.0111	1.1719	1.5353	0.7463	3.0183
4319/M	4/1	498.2	2.0586	0.0126	1.3664	2.3264	1.1354	4.0551
4320/M	4/1	445.7	1.5717	0.0092	0.9409	2.1940	0.7222	3.4994
M e a n:		501.9	2.1122	0.0104	1.0724	1.9282	0.8389	3.4662
Standard deviation:		50.0	0.3253	0.0016	0.1568	0.3443	0.1720	0.3323
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
				Male Animals
1311/M	1/1	584.3	0.6339	0.0348
1312/M	1/1	423.5	0.2330	0.0287
1313/M	1/1	415.6	0.2845	0.0389
1314/M	1/1	514.8	0.5253	0.0499
1315/M	1/1	576.4	0.4616	0.0427
1316/M	1/1	544.9	0.5890	0.0369
1317/M	1/1	509.9	0.4418	0.0439
1318/M	1/1	467.5	0.3255	0.0542
1319/M	1/1	475.8	0.2702	0.0462
1320/M	1/1	548.9	0.4176	0.0581
Mean:		506.2	0.4182	0.0434
Standard deviation:		59.5	0.1384	0.0090
Number of observ. :		(10)	(10)	(10)
2311/M	2/1	462.1	0.4177	0.0361
2312/M	2/1	577.3	0.4545	0.0470
2313/M	2/1	486.9	0.3512	0.0452
2314/M	2/1	610.2	0.5129	0.0329
2315/M	2/1	433.2		0.0478
2316/M	2/1	443.1	0.2958	0.0483
2317/M	2/1	454.2	0.2527	0.0444
2318/M	2/1	475.8	0.2853	0.0424
2319/M	2/1	518.5	0.2880	0.0598
2320/M	2/1	429.4	0.2369	0.0420
Mean:		489.1	0.3439	0.0446
Standard deviation:		61.7	0.0968	0.0073
Number of observ. :		(10)	(9)	(10)
3311/M	3/1	490.8	0.3199	0.0403
3312/M	3/1	460.4	0.2999	0.0368
3313/M	3/1	436.7	0.2864	0.0362
3314/M	3/1	490.0	0.3242	0.0341
3315/M	3/1	517.7		0.0357
3316/M	3/1	464.6	0.3385	0.0483
3317/M	3/1	466.0	0.2859	0.0441
3318/M	3/1	424.7	0.3544	0.0402
3319/M	3/1	535.5	0.2674	0.0387
3320/M	3/1	470.3	0.2704	0.0376
Mean:		475.7	0.3052	0.0392
Standard deviation:		34.0	0.0306	0.0043
Number of observ. :		(10)	(9)	(10)
4311/M	4/1	527.9	0.2360	0.0353
4312/M	4/1	619.6	0.3530	0.0393
4313/M	4/1	502.1	0.3619	0.0361

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
4314/M	4/1	485.7	0.4638	0.0405
4315/M	4/1	515.9		0.0437
4316/M	4/1	466.2	0.2211	0.0391
4317/M	4/1	447.0	0.3707	0.0319
4318/M	4/1	510.2	0.3012	0.0541
4319/M	4/1	498.2	0.3564	0.0328
4320/M	4/1	445.7	0.2437	0.0443
M e a n:		501.9	0.3231	0.0397
Standard deviation:		50.0	0.0793	0.0066
Number of observ. :		(10)	(9)	(10)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
				Female Animals				
1811/F	1/1	275.0	0.1318	2.0737	0.9635	2.1756	8.1560	1.5713
1812/F	1/1	288.7	0.0628	2.0797	1.0240	2.0824	7.4525	1.5298
1813/F	1/1	341.3	0.0751	2.0682	1.0458	2.2749	8.7886	1.8774
1814/F	1/1	262.9	0.0541	1.9791	0.9996	1.8391	6.9598	1.4714
1815/F	1/1	315.9	0.0713	2.0895	1.2401	1.9962	7.9793	1.6598
1816/F	1/1	312.3	0.0564	1.9811	1.0005	2.3930	8.1865	1.5802
1817/F	1/1	298.2	0.0660	1.9924	0.9590	1.8211	7.9824	1.5789
1818/F	1/1	318.4	0.0647	1.9610	0.9905	2.1502	7.6702	1.4709
1819/F	1/1	292.9	0.0695	2.1183	1.0687	2.3501	8.0091	1.5202
1820/F	1/1	274.5	0.0440	1.9992	1.1301	2.1938	7.2145	1.6446
Mean:		298.0	0.0696	2.0342	1.0422	2.1276	7.8399	1.5905
Standard deviation:		24.1	0.0237	0.0569	0.0865	0.1959	0.5305	0.1191
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	0.0778	2.0427	1.0139	2.3000	7.8302	1.5098
2812/F	2/1	288.4	0.0769	2.0361	1.0956	2.0723	8.2484	1.6909
2813/F	2/1	284.9	0.0626	1.9045	1.0244	2.2349	8.8496	1.4665
2814/F	2/1	339.3						
2815/F	2/1	300.4	0.0925	2.1083	1.3238	2.2865	8.5374	1.7086
2816/F	2/1	299.6	0.0938	2.0695	1.0833	2.2958	8.0749	1.4928
2817/F	2/1	273.9	0.0876	1.9519	1.0036	2.2451	9.1646	1.7075
2818/F	2/1	291.7	0.0771	1.8973	1.1407	2.4189	8.6352	1.8497
2819/F	2/1	291.2	0.0695	1.9409	1.2035	2.3202	7.7124	1.6234
2820/F	2/1	265.1	0.0701	1.8589	1.1008	2.2246	6.9283	1.6503
Mean:		293.1	0.0787	1.9789	1.1100	2.2665	8.2201	1.6333
Standard deviation:		19.7	0.0107	0.0874	0.1026	0.0932	0.6765	0.1248
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3811/F	3/1	270.2	0.0779	1.9221	1.0534	1.9281	7.0235	1.2851
3812/F	3/1	318.9	0.0863	2.1676	1.1298	2.2102	8.3487	2.1611
3813/F	3/1	322.4	0.1069	2.2012	1.1372	2.5245	10.1252	1.8283
3814/F	3/1	251.9	0.0609	1.9172	0.9256	1.9872	6.4868	1.3319
3815/F	3/1	306.4						
3816/F	3/1	326.0	0.0788	2.0372	1.1847	2.4781	8.9982	1.5064
3817/F	3/1	247.4	0.0668	1.9614	0.9522	2.1241	7.1962	1.5197
3818/F	3/1	312.6	0.0794	2.2916	1.3570	2.0093	8.8170	2.5057
3819/F	3/1	256.8	0.0744	1.9979	0.9366	2.1459	7.9433	1.3031
3820/F	3/1	247.1	0.0569	1.9453	0.9651	2.0826	7.1724	1.3573
Mean:		286.0	0.0765	2.0491	1.0713	2.1656	8.0124	1.6443
Standard deviation:		34.0	0.0148	0.1373	0.1447	0.2092	1.1661	0.4334
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4811/F	4/1	265.7	0.0678	2.1839	0.9617	2.1965	7.4849	1.3450
4813/F	4/1	277.7	0.0782	2.0493	0.9240	2.0878	7.4503	1.3222
4814/F	4/1	273.9	0.0958	2.0929	0.8386	2.0567	7.8280	1.5695

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
4815/F	4/1	267.3	0.0694	2.0721	1.0979	1.7606	6.5893	1.3087
4816/F	4/1	302.4	0.0747	1.9642	0.9388	1.8914	7.2080	1.5558
4817/F	4/1	279.6	0.0682	2.2168	0.9473	2.4972	8.0615	1.6703
4818/F	4/1	293.1	0.0544	1.9602	0.8410	2.0151	7.4475	1.4829
4819/F	4/1	275.9	0.0821	2.0503	1.0278	2.3348	7.7240	1.8287
4820/F	4/1	276.4	0.0770	1.9961	1.2637	1.9627	7.6219	1.3605
M e a n:		279.1	0.0742	2.0651	0.9823	2.0892	7.4906	1.4937
Standard deviation:		11.7	0.0114	0.0897	0.1333	0.2258	0.4194	0.1791
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Ovaries	Pituitary gland	Spleen	Thymus	Thyroid/Para	Uterus
				Female Animals				
1811/F	1/1	275.0	0.2032	0.0099	0.6661	0.4078	0.0329	0.4784
1812/F	1/1	288.7	0.1107	0.0142	0.6107	0.3195	0.0235	0.8435
1813/F	1/1	341.3	0.1062	0.0143	0.5819	0.3836	0.0350	0.6279
1814/F	1/1	262.9	0.0896	0.0168	0.5884	0.2499	0.0367	0.5599
1815/F	1/1	315.9	0.1025	0.0123	0.6072	0.4108	0.0290	0.6835
1816/F	1/1	312.3	0.0809	0.0214	0.5785	0.4102	0.0236	1.0564
1817/F	1/1	298.2	0.0835	0.0161	0.5580	0.3156	0.0245	0.5375
1818/F	1/1	318.4	0.0837	0.0101	0.4437	0.3941	0.0392	0.6217
1819/F	1/1	292.9	0.1182	0.0193	0.5917	0.2251	0.0312	0.5757
1820/F	1/1	274.5	0.0824	0.0157	0.6099	0.2952	0.0316	0.6401
Mean:		298.0	0.1061	0.0150	0.5836	0.3412	0.0307	0.6625
Standard deviation:		24.1	0.0367	0.0037	0.0569	0.0697	0.0055	0.1697
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	0.1080	0.0186	0.6106	0.2460	0.0333	1.1191
2812/F	2/1	288.4	0.0961	0.0179	0.6506	0.2178	0.0305	0.6410
2813/F	2/1	284.9	0.0962	0.0206	0.4570	0.2067	0.0276	0.6423
2814/F	2/1	339.3					0.0272	
2815/F	2/1	300.4	0.0795	0.0181	0.6359	0.2357	0.0378	0.8028
2816/F	2/1	299.6	0.0866	0.0158	0.6410	0.3521	0.0323	0.6823
2817/F	2/1	273.9	0.1648	0.0129	0.5793	0.3502	0.0301	0.4330
2818/F	2/1	291.7	0.0824	0.0155	0.4803	0.2531	0.0385	0.7150
2819/F	2/1	291.2	0.1005	0.0144	0.5217	0.2481	0.0363	1.1301
2820/F	2/1	265.1	0.0759	0.0177	0.4941	0.3097	0.0343	0.5130
Mean:		293.1	0.0989	0.0168	0.5634	0.2688	0.0328	0.7421
Standard deviation:		19.7	0.0269	0.0024	0.0759	0.0548	0.0040	0.2421
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(10)	(9)
3811/F	3/1	270.2	0.0736	0.0125	0.5441	0.2074	0.0327	1.3646
3812/F	3/1	318.9	0.1382	0.0181	0.6560	0.3567	0.0377	0.6330
3813/F	3/1	322.4	0.1113	0.0226	0.5669	0.3793	0.0332	0.5548
3814/F	3/1	251.9	0.0825	0.0169	0.4516	0.2005	0.0276	1.0188
3815/F	3/1	306.4					0.0322	
3816/F	3/1	326.0	0.0889	0.0142	0.4503	0.2598	0.0341	0.6082
3817/F	3/1	247.4	0.0830	0.0176	0.4704	0.1713	0.0210	0.6638
3818/F	3/1	312.6	0.1253	0.0174	0.6737	0.3578	0.0259	0.5593
3819/F	3/1	256.8	0.0723	0.0153	0.5071	0.2472	0.0321	0.6941
3820/F	3/1	247.1	0.0653	0.0141	0.4950	0.1599	0.0287	0.6634
Mean:		286.0	0.0934	0.0165	0.5350	0.2600	0.0305	0.7511
Standard deviation:		34.0	0.0255	0.0030	0.0834	0.0848	0.0048	0.2684
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(10)	(9)
4811/F	4/1	265.7	0.1123	0.0184	0.5679	0.2766	0.0281	0.7384
4813/F	4/1	277.7	0.0754	0.0176	0.5002	0.2641	0.0303	0.5129
4814/F	4/1	273.9	0.1230	0.0146	0.5063	0.4076	0.0380	1.0821

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Ovaries	Pituitary gland	Spleen	Thymus	Thyroid/Para	Uterus
4815/F	4/1	267.3	0.0737	0.0131	0.5106	0.3042	0.0342	0.5678
4816/F	4/1	302.4	0.0908	0.0129	0.4804	0.3575	0.0272	0.6205
4817/F	4/1	279.6	0.0956	0.0163	0.4796	0.4336	0.0360	0.7726
4818/F	4/1	293.1	0.0621	0.0138	0.3744	0.2931	0.0436	1.2311
4819/F	4/1	275.9	0.1152	0.0168	0.6673	0.2850	0.0352	0.8608
4820/F	4/1	276.4	0.1136	0.0154	0.5226	0.3020	0.0293	0.5756
M e a n:		279.1	0.0957	0.0154	0.5121	0.3249	0.0335	0.7735
Standard deviation:		11.7	0.0217	0.0020	0.0779	0.0605	0.0053	0.2465
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
				Male Animals				
1311/M	1/1	584.3	0.0121	0.4002	0.3616	0.3059	0.7918	2.9818
1312/M	1/1	423.5	0.0119	0.5081	0.3286	0.3435	0.8779	2.7178
1313/M	1/1	415.6	0.0146	0.5019	0.3006	0.3849	0.7652	2.4142
1314/M	1/1	514.8	0.0123	0.4320	0.3035	0.2793	0.7388	3.0430
1315/M	1/1	576.4	0.0109	0.3819	0.2942	0.2948	0.7780	2.7331
1316/M	1/1	544.9	0.0114	0.3863	0.3338	0.3687	0.7120	2.5440
1317/M	1/1	509.9	0.0112	0.4266	0.2923	0.3090	0.7686	2.6963
1318/M	1/1	467.5	0.0143	0.4587	0.3299	0.3257	0.7222	2.8151
1319/M	1/1	475.8	0.0129	0.4666	0.2899	0.3027	0.8282	2.6909
1320/M	1/1	548.9	0.0140	0.4455	0.2984	0.3099	0.7418	2.6519
Mean:		506.2	0.0126	0.4408	0.3133	0.3224	0.7725	2.7288
Standard deviation:		59.5	0.0013	0.0442	0.0238	0.0335	0.0505	0.1862
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	0.0133	0.4648	0.2975	0.3131	0.7544	2.8505
2312/M	2/1	577.3	0.0136	0.3998	0.2851	0.3497	0.6792	2.4809
2313/M	2/1	486.9	0.0113	0.4516	0.2870	0.2953	0.7137	2.5546
2314/M	2/1	610.2	0.0143	0.3602	0.2645	0.2783	0.6959	2.7568
2315/M	2/1	433.2			0.3295			
2316/M	2/1	443.1	0.0127	0.5024	0.4148	0.2867	0.7736	2.4562
2317/M	2/1	454.2	0.0141	0.4486	0.3442	0.3236	0.8381	2.7767
2318/M	2/1	475.8	0.0131	0.4369	0.3247	0.2949	0.8141	2.7291
2319/M	2/1	518.5	0.0143	0.3985	0.2922	0.2777	0.7238	2.6197
2320/M	2/1	429.4	0.0173	0.4765	0.3755	0.3842	0.8499	3.5711
Mean:		489.1	0.0138	0.4377	0.3215	0.3115	0.7603	2.7551
Standard deviation:		61.7	0.0016	0.0443	0.0464	0.0358	0.0627	0.3353
Number of observ. :		(10)	(9)	(9)	(10)	(9)	(9)	(9)
3311/M	3/1	490.8	0.0123	0.4363	0.3563	0.2678	0.7716	2.6525
3312/M	3/1	460.4	0.0132	0.4511	0.2923	0.3559	0.7573	2.6363
3313/M	3/1	436.7	0.0136	0.4856	0.3414	0.3071	0.7240	2.4707
3314/M	3/1	490.0	0.0176	0.4304	0.2968	0.3111	0.7912	2.6872
3315/M	3/1	517.7			0.2941			
3316/M	3/1	464.6	0.0155	0.4399	0.2895	0.3143	0.7227	2.6629
3317/M	3/1	466.0	0.0124	0.4703	0.3102	0.3013	0.6890	2.3967
3318/M	3/1	424.7	0.0132	0.5247	0.3583	0.3292	0.7544	2.7377
3319/M	3/1	535.5	0.0107	0.4060	0.2389	0.2809	0.6338	2.3746
3320/M	3/1	470.3	0.0096	0.4440	0.2739	0.2864	0.7862	2.6703
Mean:		475.7	0.0131	0.4543	0.3052	0.3060	0.7367	2.5876
Standard deviation:		34.0	0.0024	0.0349	0.0376	0.0265	0.0507	0.1356
Number of observ. :		(10)	(9)	(9)	(10)	(9)	(9)	(9)
4311/M	4/1	527.9	0.0131	0.4258	0.2810	0.3061	0.7081	2.9919
4312/M	4/1	619.6	0.0141	0.3766	0.2405	0.3031	0.7773	2.5386
4313/M	4/1	502.1	0.0126	0.4464	0.3331	0.3954	0.6702	2.6396

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4314/M	4/1	485.7	0.0116	0.4414	0.2829	0.3019	0.6595	2.2018
4315/M	4/1	515.9	0.0104		0.3091			
4316/M	4/1	466.2	0.0137	0.4510	0.2838	0.3107	0.7750	2.5047
4317/M	4/1	447.0	0.0135	0.4924	0.3181	0.2927	0.8457	3.1243
4318/M	4/1	510.2	0.0107	0.3780	0.2454	0.3024	0.7175	2.6500
4319/M	4/1	498.2	0.0178	0.4490	0.3395	0.3626	0.7537	2.4374
4320/M	4/1	445.7	0.0166	0.4867	0.3324	0.3078	0.7270	2.4516
M e a n:		501.9	0.0134	0.4386	0.2966	0.3203	0.7371	2.6155
Standard deviation:		50.0	0.0024	0.0407	0.0357	0.0346	0.0580	0.2851
Number of observ. :		(10)	(10)	(9)	(10)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Lungs	Pituitary gland	Prostate	Seminal vesicles	Spleen	Testes
				Male Animals				
1311/M	1/1	584.3	0.3629	0.0020	0.2184	0.4670	0.1743	0.6401
1312/M	1/1	423.5	0.4322	0.0027	0.3401	0.6113	0.1462	0.7967
1313/M	1/1	415.6	0.4102	0.0025	0.2276	0.3098	0.1501	0.8045
1314/M	1/1	514.8	0.3384	0.0023	0.1530	0.3096	0.1813	0.7056
1315/M	1/1	576.4	0.3456	0.0024	0.2337	0.3202	0.1621	0.6563
1316/M	1/1	544.9	0.3469	0.0014	0.2009	0.5276	0.1480	0.7543
1317/M	1/1	509.9	0.4159	0.0021	0.2210	0.3230	0.1543	0.6618
1318/M	1/1	467.5	0.4557	0.0021	0.2272	0.4810	0.1588	0.7861
1319/M	1/1	475.8	0.3857	0.0023	0.2197	0.3809	0.1648	0.7830
1320/M	1/1	548.9	0.4432	0.0030	0.2584	0.4048	0.1632	0.6746
	Mean:	506.2	0.3937	0.0023	0.2300	0.4135	0.1603	0.7263
Standard deviation:		59.5	0.0436	0.0004	0.0472	0.1050	0.0114	0.0652
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	0.3888	0.0024	0.2401	0.4220	0.1443	0.7527
2312/M	2/1	577.3	0.3666	0.0020	0.1539	0.3358	0.1419	0.6396
2313/M	2/1	486.9	0.4415	0.0019	0.2534	0.4873	0.1455	0.7802
2314/M	2/1	610.2	0.3734	0.0025	0.2240	0.3751	0.1722	0.3032
2315/M	2/1	433.2						0.7980
2316/M	2/1	443.1	0.4007	0.0021	0.2864	0.4060	0.1183	0.7994
2317/M	2/1	454.2	0.3910	0.0024	0.2103	0.4544	0.1500	0.6995
2318/M	2/1	475.8	0.4263	0.0028	0.2194	0.3728	0.1393	0.7773
2319/M	2/1	518.5	0.4234	0.0019	0.2704	0.3110	0.1706	0.6213
2320/M	2/1	429.4	0.4223	0.0027	0.1689	0.5471	0.1588	0.7627
	Mean:	489.1	0.4038	0.0023	0.2252	0.4124	0.1490	0.6934
Standard deviation:		61.7	0.0259	0.0003	0.0438	0.0748	0.0167	0.1511
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)
3311/M	3/1	490.8	0.4087	0.0025	0.2175	0.3860	0.1784	0.8079
3312/M	3/1	460.4	0.4252	0.0019	0.1855	0.4004	0.1249	0.7305
3313/M	3/1	436.7	0.4184	0.0024	0.2613	0.3703	0.1615	0.8215
3314/M	3/1	490.0	0.4467	0.0023	0.2945	0.5280	0.1787	0.6802
3315/M	3/1	517.7						0.5812
3316/M	3/1	464.6	0.4460	0.0023	0.2291	0.3951	0.1417	0.7348
3317/M	3/1	466.0	0.4229	0.0021	0.2393	0.2841	0.1355	0.7695
3318/M	3/1	424.7	0.3619	0.0026	0.3057	0.4618	0.1530	0.9108
3319/M	3/1	535.5	0.3807	0.0024	0.1436	0.3017	0.1806	0.5387
3320/M	3/1	470.3	0.4291	0.0022	0.1625	0.2943	0.1265	0.6948
	Mean:	475.7	0.4155	0.0023	0.2265	0.3802	0.1534	0.7270
Standard deviation:		34.0	0.0282	0.0002	0.0559	0.0807	0.0225	0.1111
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)
4311/M	4/1	527.9	0.3534	0.0018	0.2152	0.3949	0.1891	0.6257
4312/M	4/1	619.6	0.4130	0.0021	0.1582	0.2864	0.1633	0.5851
4313/M	4/1	502.1	0.4786	0.0020	0.2390	0.4100	0.1640	0.6402

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Lungs	Pituitary gland	Prostate	Seminal vesicles	Spleen	Testes
4314/M	4/1	485.7	0.3995	0.0016	0.1995	0.2582	0.1665	0.6929
4315/M	4/1	515.9						0.7698
4316/M	4/1	466.2	0.4501	0.0021	0.2177	0.4285	0.1365	0.6920
4317/M	4/1	447.0	0.5630	0.0025	0.1951	0.4761	0.1494	0.7570
4318/M	4/1	510.2	0.3912	0.0022	0.2297	0.3009	0.1463	0.5916
4319/M	4/1	498.2	0.4132	0.0025	0.2743	0.4670	0.2279	0.8140
4320/M	4/1	445.7	0.3526	0.0021	0.2111	0.4923	0.1620	0.7851
	M e a n:	501.9	0.4239	0.0021	0.2155	0.3905	0.1672	0.6953
Standard deviation:		50.0	0.0661	0.0003	0.0320	0.0878	0.0272	0.0832
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(10)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
				M a l e A n i m a l s
1311/M	1/1	584.3	0.1085	0.0060
1312/M	1/1	423.5	0.0550	0.0068
1313/M	1/1	415.6	0.0685	0.0094
1314/M	1/1	514.8	0.1020	0.0097
1315/M	1/1	576.4	0.0801	0.0074
1316/M	1/1	544.9	0.1081	0.0068
1317/M	1/1	509.9	0.0866	0.0086
1318/M	1/1	467.5	0.0696	0.0116
1319/M	1/1	475.8	0.0568	0.0097
1320/M	1/1	548.9	0.0761	0.0106
M e a n:		506.2	0.0811	0.0086
Standard deviation:		59.5	0.0198	0.0019
Number of observ. :		(10)	(10)	(10)
2311/M	2/1	462.1	0.0904	0.0078
2312/M	2/1	577.3	0.0787	0.0081
2313/M	2/1	486.9	0.0721	0.0093
2314/M	2/1	610.2	0.0841	0.0054
2315/M	2/1	433.2		0.0110
2316/M	2/1	443.1	0.0668	0.0109
2317/M	2/1	454.2	0.0556	0.0098
2318/M	2/1	475.8	0.0600	0.0089
2319/M	2/1	518.5	0.0555	0.0115
2320/M	2/1	429.4	0.0552	0.0098
M e a n:		489.1	0.0687	0.0093
Standard deviation:		61.7	0.0133	0.0018
Number of observ. :		(10)	(9)	(10)
3311/M	3/1	490.8	0.0652	0.0082
3312/M	3/1	460.4	0.0651	0.0080
3313/M	3/1	436.7	0.0656	0.0083
3314/M	3/1	490.0	0.0662	0.0070
3315/M	3/1	517.7		0.0069
3316/M	3/1	464.6	0.0729	0.0104
3317/M	3/1	466.0	0.0614	0.0095
3318/M	3/1	424.7	0.0834	0.0095
3319/M	3/1	535.5	0.0499	0.0072
3320/M	3/1	470.3	0.0575	0.0080
M e a n:		475.7	0.0652	0.0083
Standard deviation:		34.0	0.0094	0.0012
Number of observ. :		(10)	(9)	(10)
4311/M	4/1	527.9	0.0447	0.0067
4312/M	4/1	619.6	0.0570	0.0063
4313/M	4/1	502.1	0.0721	0.0072

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
4314/M	4/1	485.7	0.0955	0.0083
4315/M	4/1	515.9		0.0085
4316/M	4/1	466.2	0.0474	0.0084
4317/M	4/1	447.0	0.0829	0.0071
4318/M	4/1	510.2	0.0590	0.0106
4319/M	4/1	498.2	0.0715	0.0066
4320/M	4/1	445.7	0.0547	0.0099
	M e a n:	501.9	0.0650	0.0080
Standard deviation:		50.0	0.0168	0.0014
Number of observ. :		(10)	(9)	(10)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
				Female Animals				
1811/F	1/1	275.0	0.0479	0.7541	0.3504	0.7911	2.9658	0.5714
1812/F	1/1	288.7	0.0218	0.7204	0.3547	0.7213	2.5814	0.5299
1813/F	1/1	341.3	0.0220	0.6060	0.3064	0.6665	2.5750	0.5501
1814/F	1/1	262.9	0.0206	0.7528	0.3802	0.6995	2.6473	0.5597
1815/F	1/1	315.9	0.0226	0.6614	0.3926	0.6319	2.5259	0.5254
1816/F	1/1	312.3	0.0181	0.6344	0.3204	0.7663	2.6214	0.5060
1817/F	1/1	298.2	0.0221	0.6681	0.3216	0.6107	2.6769	0.5295
1818/F	1/1	318.4	0.0203	0.6159	0.3111	0.6753	2.4090	0.4620
1819/F	1/1	292.9	0.0237	0.7232	0.3649	0.8024	2.7344	0.5190
1820/F	1/1	274.5	0.0160	0.7283	0.4117	0.7992	2.6282	0.5991
Mean:		298.0	0.0235	0.6865	0.3514	0.7164	2.6365	0.5352
Standard deviation:		24.1	0.0089	0.0561	0.0363	0.0708	0.1456	0.0378
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	0.0262	0.6889	0.3420	0.7757	2.6409	0.5092
2812/F	2/1	288.4	0.0267	0.7060	0.3799	0.7186	2.8601	0.5863
2813/F	2/1	284.9	0.0220	0.6685	0.3596	0.7845	3.1062	0.5147
2814/F	2/1	339.3						
2815/F	2/1	300.4	0.0308	0.7018	0.4407	0.7612	2.8420	0.5688
2816/F	2/1	299.6	0.0313	0.6908	0.3616	0.7663	2.6952	0.4983
2817/F	2/1	273.9	0.0320	0.7126	0.3664	0.8197	3.3460	0.6234
2818/F	2/1	291.7	0.0264	0.6504	0.3911	0.8292	2.9603	0.6341
2819/F	2/1	291.2	0.0239	0.6665	0.4133	0.7968	2.6485	0.5575
2820/F	2/1	265.1	0.0264	0.7012	0.4152	0.8392	2.6135	0.6225
Mean:		293.1	0.0273	0.6874	0.3855	0.7879	2.8570	0.5683
Standard deviation:		19.7	0.0034	0.0211	0.0321	0.0380	0.2469	0.0525
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3811/F	3/1	270.2	0.0288	0.7114	0.3899	0.7136	2.5994	0.4756
3812/F	3/1	318.9	0.0271	0.6797	0.3543	0.6931	2.6180	0.6777
3813/F	3/1	322.4	0.0332	0.6828	0.3527	0.7830	3.1406	0.5671
3814/F	3/1	251.9	0.0242	0.7611	0.3674	0.7889	2.5751	0.5287
3815/F	3/1	306.4						
3816/F	3/1	326.0	0.0242	0.6249	0.3634	0.7602	2.7602	0.4621
3817/F	3/1	247.4	0.0270	0.7928	0.3849	0.8586	2.9087	0.6143
3818/F	3/1	312.6	0.0254	0.7331	0.4341	0.6428	2.8205	0.8016
3819/F	3/1	256.8	0.0290	0.7780	0.3647	0.8356	3.0932	0.5074
3820/F	3/1	247.1	0.0230	0.7873	0.3906	0.8428	2.9026	0.5493
Mean:		286.0	0.0269	0.7279	0.3780	0.7687	2.8243	0.5760
Standard deviation:		34.0	0.0031	0.0577	0.0255	0.0736	0.2077	0.1081
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4811/F	4/1	265.7	0.0255	0.8219	0.3619	0.8267	2.8170	0.5062
4813/F	4/1	277.7	0.0282	0.7380	0.3327	0.7518	2.6829	0.4761
4814/F	4/1	273.9	0.0350	0.7641	0.3062	0.7509	2.8580	0.5730

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
4815/F	4/1	267.3	0.0260	0.7752	0.4107	0.6587	2.4651	0.4896
4816/F	4/1	302.4	0.0247	0.6495	0.3104	0.6255	2.3836	0.5145
4817/F	4/1	279.6	0.0244	0.7928	0.3388	0.8931	2.8832	0.5974
4818/F	4/1	293.1	0.0186	0.6688	0.2869	0.6875	2.5409	0.5059
4819/F	4/1	275.9	0.0298	0.7431	0.3725	0.8462	2.7996	0.6628
4820/F	4/1	276.4	0.0279	0.7222	0.4572	0.7101	2.7576	0.4922
M e a n:		279.1	0.0267	0.7417	0.3531	0.7501	2.6875	0.5353
Standard deviation:		11.7	0.0045	0.0558	0.0544	0.0901	0.1820	0.0624
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Pituitary gland Ovaries	Thymus	Spleen	Thyroid/Para	Uterus
				Female Animals			
1811/F	1/1	275.0	0.0739	0.0036	0.2422	0.1483	0.0120	0.1740
1812/F	1/1	288.7	0.0383	0.0049	0.2115	0.1107	0.0081	0.2922
1813/F	1/1	341.3	0.0311	0.0042	0.1705	0.1124	0.0103	0.1840
1814/F	1/1	262.9	0.0341	0.0064	0.2238	0.0951	0.0140	0.2130
1815/F	1/1	315.9	0.0324	0.0039	0.1922	0.1300	0.0092	0.2164
1816/F	1/1	312.3	0.0259	0.0069	0.1852	0.1313	0.0076	0.3383
1817/F	1/1	298.2	0.0280	0.0054	0.1871	0.1058	0.0082	0.1802
1818/F	1/1	318.4	0.0263	0.0032	0.1394	0.1238	0.0123	0.1953
1819/F	1/1	292.9	0.0404	0.0066	0.2020	0.0769	0.0107	0.1966
1820/F	1/1	274.5	0.0300	0.0057	0.2222	0.1075	0.0115	0.2332
	Mean:	298.0	0.0360	0.0051	0.1976	0.1142	0.0104	0.2223
Standard deviation:		24.1	0.0141	0.0013	0.0297	0.0202	0.0021	0.0533
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	0.0364	0.0063	0.2059	0.0830	0.0112	0.3774
2812/F	2/1	288.4	0.0333	0.0062	0.2256	0.0755	0.0106	0.2223
2813/F	2/1	284.9	0.0338	0.0072	0.1604	0.0726	0.0097	0.2254
2814/F	2/1	339.3					0.0080	
2815/F	2/1	300.4	0.0265	0.0060	0.2117	0.0785	0.0126	0.2672
2816/F	2/1	299.6	0.0289	0.0053	0.2140	0.1175	0.0108	0.2277
2817/F	2/1	273.9	0.0602	0.0047	0.2115	0.1279	0.0110	0.1581
2818/F	2/1	291.7	0.0282	0.0053	0.1647	0.0868	0.0132	0.2451
2819/F	2/1	291.2	0.0345	0.0049	0.1792	0.0852	0.0125	0.3881
2820/F	2/1	265.1	0.0286	0.0067	0.1864	0.1168	0.0129	0.1935
	Mean:	293.1	0.0345	0.0059	0.1955	0.0937	0.0112	0.2561
Standard deviation:		19.7	0.0102	0.0008	0.0235	0.0210	0.0016	0.0781
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(10)	(9)
3811/F	3/1	270.2	0.0272	0.0046	0.2014	0.0768	0.0121	0.5050
3812/F	3/1	318.9	0.0433	0.0057	0.2057	0.1119	0.0118	0.1985
3813/F	3/1	322.4	0.0345	0.0070	0.1758	0.1176	0.0103	0.1721
3814/F	3/1	251.9	0.0328	0.0067	0.1793	0.0796	0.0110	0.4044
3815/F	3/1	306.4					0.0105	
3816/F	3/1	326.0	0.0273	0.0044	0.1381	0.0797	0.0105	0.1866
3817/F	3/1	247.4	0.0335	0.0071	0.1901	0.0692	0.0085	0.2683
3818/F	3/1	312.6	0.0401	0.0056	0.2155	0.1145	0.0083	0.1789
3819/F	3/1	256.8	0.0282	0.0060	0.1975	0.0963	0.0125	0.2703
3820/F	3/1	247.1	0.0264	0.0057	0.2003	0.0647	0.0116	0.2685
	Mean:	286.0	0.0326	0.0059	0.1893	0.0900	0.0107	0.2725
Standard deviation:		34.0	0.0060	0.0010	0.0229	0.0204	0.0014	0.1136
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(10)	(9)
4811/F	4/1	265.7	0.0423	0.0069	0.2137	0.1041	0.0106	0.2779
4813/F	4/1	277.7	0.0272	0.0063	0.1801	0.0951	0.0109	0.1847
4814/F	4/1	273.9	0.0449	0.0053	0.1848	0.1488	0.0139	0.3951

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Ovaries	Pituitary gland	Spleen	Thymus	Thyroid/Para	Uterus
4815/F	4/1	267.3	0.0276	0.0049	0.1910	0.1138	0.0128	0.2124
4816/F	4/1	302.4	0.0300	0.0043	0.1589	0.1182	0.0090	0.2052
4817/F	4/1	279.6	0.0342	0.0058	0.1715	0.1551	0.0129	0.2763
4818/F	4/1	293.1	0.0212	0.0047	0.1277	0.1000	0.0149	0.4200
4819/F	4/1	275.9	0.0418	0.0061	0.2419	0.1033	0.0128	0.3120
4820/F	4/1	276.4	0.0411	0.0056	0.1891	0.1093	0.0106	0.2082
M e a n:		279.1	0.0345	0.0056	0.1843	0.1164	0.0120	0.2769
Standard deviation:		11.7	0.0084	0.0008	0.0322	0.0214	0.0019	0.0853
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
				M a l e	A n i m a l s			
1311/M	1/1	584.3	3.0190	100.0000	90.3485	76.4293	197.8448	745.0375
1312/M	1/1	423.5	2.3424	100.0000	64.6728	67.6148	172.7970	534.9368
1313/M	1/1	415.6	2.9055	100.0000	59.8888	76.6937	152.4812	481.0615
1314/M	1/1	514.8	2.8420	100.0000	70.2671	64.6506	171.0361	704.4474
1315/M	1/1	576.4	2.8662	100.0000	77.0202	77.1883	203.6930	715.5940
1316/M	1/1	544.9	2.9501	100.0000	86.4086	95.4442	184.3183	658.5273
1317/M	1/1	509.9	2.6296	100.0000	68.5224	72.4393	180.1720	632.0477
1318/M	1/1	467.5	3.1244	100.0000	71.9222	71.0129	157.4566	613.7289
1319/M	1/1	475.8	2.7744	100.0000	62.1177	64.8606	177.4760	576.6519
1320/M	1/1	548.9	3.1323	100.0000	66.9761	69.5482	166.4936	595.2362
	M e a n:	506.2	2.8586	100.0000	71.8144	73.5882	176.3768	625.7269
Standard deviation:		59.5	0.2376	0.0000	10.0416	8.9714	16.1717	83.1844
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	2.8587	100.0000	64.0004	67.3573	162.3010	613.2787
2312/M	2/1	577.3	3.4141	100.0000	71.3011	87.4572	169.8930	620.5234
2313/M	2/1	486.9	2.4966	100.0000	63.5425	65.3934	158.0309	565.6436
2314/M	2/1	610.2	3.9583	100.0000	73.4337	77.2738	193.2117	765.3715
2315/M	2/1	433.2						
2316/M	2/1	443.1	2.5335	100.0000	82.5622	57.0703	153.9844	488.8689
2317/M	2/1	454.2	3.1459	100.0000	76.7275	72.1437	186.8276	618.9488
2318/M	2/1	475.8	2.9876	100.0000	74.3337	67.4926	186.3514	624.7090
2319/M	2/1	518.5	3.5770	100.0000	73.3350	69.6951	181.6457	657.4637
2320/M	2/1	429.4	3.6217	100.0000	78.7977	80.6256	178.3627	749.4868
	M e a n:	489.1	3.1770	100.0000	73.1149	71.6121	174.5120	633.8105
Standard deviation:		61.7	0.5049	0.0000	6.2672	9.0383	14.0120	85.0040
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3311/M	3/1	490.8	2.8159	100.0000	81.6569	61.3897	176.8423	607.9387
3312/M	3/1	460.4	2.9228	100.0000	64.8016	78.9002	167.8785	584.4376
3313/M	3/1	436.7	2.7965	100.0000	70.3042	63.2539	149.1063	508.8140
3314/M	3/1	490.0	4.0823	100.0000	68.9536	72.2725	183.8272	624.3184
3315/M	3/1	517.7						
3316/M	3/1	464.6	3.5276	100.0000	65.8105	71.4419	164.2693	605.2938
3317/M	3/1	466.0	2.6373	100.0000	65.9473	64.0628	146.5003	509.6003
3318/M	3/1	424.7	2.5173	100.0000	68.2716	62.7345	143.7629	521.7087
3319/M	3/1	535.5	2.6404	100.0000	58.8482	69.2028	156.1203	584.9488
3320/M	3/1	470.3	2.1549	100.0000	61.6913	64.5070	177.0483	601.3648
	M e a n:	475.7	2.8994	100.0000	67.3650	67.5295	162.8173	572.0472
Standard deviation:		34.0	0.5753	0.0000	6.4417	5.8097	14.7076	45.7402
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4311/M	4/1	527.9	3.0652	100.0000	66.0023	71.8925	166.2870	702.6649
4312/M	4/1	619.6	3.7416	100.0000	63.8737	80.4903	206.4247	674.1472
4313/M	4/1	502.1	2.8244	100.0000	74.6341	88.5909	150.1562	591.3574

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Epididymides	Heart	Kidneys	Liver
4314/M	4/1	485.7	2.6308	100.0000	64.0918	68.4019	149.4216	498.8292
4315/M	4/1	515.9						
4316/M	4/1	466.2	3.0343	100.0000	62.9316	68.8814	171.8396	555.3458
4317/M	4/1	447.0	2.7440	100.0000	64.5875	59.4312	171.7291	634.4631
4318/M	4/1	510.2	2.8262	100.0000	64.9243	80.0093	189.8206	701.1046
4319/M	4/1	498.2	3.9565	100.0000	75.6214	80.7538	167.8738	542.8738
4320/M	4/1	445.7	3.4163	100.0000	68.3126	63.2457	149.3961	503.7714
M e a n:		501.9	3.1377	100.0000	67.2199	73.5219	169.2165	600.5063
Standard deviation:		50.0	0.4658	0.0000	4.7408	9.5169	19.3020	80.8339
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Lungs	Pituitary gland	Seminal vesicles Prostate		Spleen	Testes
				M a l e	A n i m a l s			
1311/M	1/1	584.3	90.6692	0.4960	54.5820	116.6774	43.5536	159.9273
1312/M	1/1	423.5	85.0716	0.5391	66.9455	120.3198	28.7739	156.8182
1313/M	1/1	415.6	81.7375	0.4938	45.3517	61.7347	29.9132	160.2963
1314/M	1/1	514.8	78.3479	0.5261	35.4124	71.6701	41.9732	163.3331
1315/M	1/1	576.4	90.4974	0.6314	61.1856	83.8247	42.4483	171.8283
1316/M	1/1	544.9	89.8100	0.3753	52.0000	136.5843	38.3183	195.2589
1317/M	1/1	509.9	97.4945	0.5011	51.7975	75.7172	36.1668	155.1444
1318/M	1/1	467.5	99.3425	0.4523	49.5383	104.8592	34.6297	171.3720
1319/M	1/1	475.8	82.6465	0.4999	47.0747	81.6331	35.3105	167.7881
1320/M	1/1	548.9	99.4725	0.6829	58.0045	90.8649	36.6265	151.4210
M e a n:		506.2	89.5090	0.5198	52.1892	94.3885	36.7714	165.3188
Standard deviation:		59.5	7.5565	0.0862	8.8180	24.2145	5.0086	12.5108
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2311/M	2/1	462.1	83.6437	0.5122	51.6529	90.7859	31.0550	161.9332
2312/M	2/1	577.3	91.6858	0.5069	38.4992	83.9868	35.4794	159.9671
2313/M	2/1	486.9	97.7626	0.4229	56.0982	107.8991	32.2056	172.7558
2314/M	2/1	610.2	103.6671	0.6870	62.1957	104.1403	47.8047	84.1713
2315/M	2/1	433.2						
2316/M	2/1	443.1	79.7637	0.4222	57.0075	80.8103	23.5379	159.1052
2317/M	2/1	454.2	87.1516	0.5448	46.8836	101.2956	33.4413	155.9187
2318/M	2/1	475.8	97.5897	0.6399	50.2117	85.3363	31.8869	177.9275
2319/M	2/1	518.5	106.2682	0.4647	67.8606	78.0591	42.8219	155.9148
2320/M	2/1	429.4	88.6364	0.5670	35.4399	114.8241	33.3187	160.0733
M e a n:		489.1	92.9077	0.5297	51.7610	94.1264	34.6168	154.1963
Standard deviation:		61.7	9.0223	0.0912	10.5052	13.2121	7.0156	27.3149
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3311/M	3/1	490.8	93.6817	0.5651	49.8552	88.4795	40.8985	185.1639
3312/M	3/1	460.4	94.2604	0.4237	41.1161	88.7712	27.6965	161.9415
3313/M	3/1	436.7	86.1731	0.4905	53.8175	76.2650	33.2657	169.1818
3314/M	3/1	490.0	103.7836	0.5263	68.4131	122.6637	41.5059	158.0342
3315/M	3/1	517.7						
3316/M	3/1	464.6	101.3846	0.5235	52.0769	89.8185	32.2129	167.0385
3317/M	3/1	466.0	89.9115	0.4517	50.8761	60.4034	28.8054	163.6111
3318/M	3/1	424.7	68.9760	0.4891	58.2473	88.0104	29.1573	173.5709
3319/M	3/1	535.5	93.7854	0.5842	35.3834	74.3227	44.4915	132.6924
3320/M	3/1	470.3	96.6432	0.5028	36.5944	66.2836	28.4777	156.4814
M e a n:		475.7	92.0666	0.5063	49.5978	83.8909	34.0568	163.0795
Standard deviation:		34.0	10.1734	0.0507	10.5922	18.0683	6.5035	14.3381
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4311/M	4/1	527.9	83.0012	0.4137	50.5517	92.7485	44.4034	146.9392
4312/M	4/1	619.6	109.6691	0.5486	42.0067	76.0672	43.3525	155.3789
4313/M	4/1	502.1	107.2149	0.4373	53.5517	91.8571	36.7348	143.4276

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4314/M	4/1	485.7	90.5215	0.3732	45.1908	58.4943	37.7181	156.9736
4315/M	4/1	515.9						
4316/M	4/1	466.2	99.8050	0.4756	48.2593	95.0157	30.2720	153.4434
4317/M	4/1	447.0	114.3331	0.5043	39.6148	96.6882	30.3380	153.7207
4318/M	4/1	510.2	103.5003	0.5756	60.7706	79.6152	38.7005	156.5184
4319/M	4/1	498.2	92.0333	0.5633	61.0873	104.0057	50.7600	181.2903
4320/M	4/1	445.7	72.4620	0.4242	43.3794	101.1526	33.2965	161.3370
	M e a n:	501.9	96.9489	0.4795	49.3791	88.4049	38.3973	156.5588
Standard deviation:		50.0	13.6020	0.0726	7.8272	14.4616	6.8353	10.7166
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
				Male Animals
1311/M	1/1	584.3	27.1071	1.4881
1312/M	1/1	423.5	10.8292	1.3339
1313/M	1/1	415.6	13.6405	1.8651
1314/M	1/1	514.8	23.6217	2.2439
1315/M	1/1	576.4	20.9675	1.9396
1316/M	1/1	544.9	27.9810	1.7530
1317/M	1/1	509.9	20.3108	2.0182
1318/M	1/1	467.5	15.1791	2.5275
1319/M	1/1	475.8	12.1695	2.0808
1320/M	1/1	548.9	17.0763	2.3758
Mean:		506.2	18.8883	1.9626
Standard deviation:		59.5	6.0887	0.3742
Number of observ. :		(10)	(10)	(10)
2311/M	2/1	462.1	19.4478	1.6808
2312/M	2/1	577.3	19.6915	2.0363
2313/M	2/1	486.9	15.9709	2.0555
2314/M	2/1	610.2	23.3359	1.4969
2315/M	2/1	433.2		
2316/M	2/1	443.1	13.2872	2.1696
2317/M	2/1	454.2	12.4018	2.1790
2318/M	2/1	475.8	13.7256	2.0398
2319/M	2/1	518.5	13.9400	2.8945
2320/M	2/1	429.4	11.5787	2.0528
Mean:		489.1	15.9311	2.0672
Standard deviation:		61.7	4.0087	0.3847
Number of observ. :		(10)	(9)	(9)
3311/M	3/1	490.8	14.9388	1.8819
3312/M	3/1	460.4	14.4405	1.7720
3313/M	3/1	436.7	13.5062	1.7071
3314/M	3/1	490.0	15.3715	1.6168
3315/M	3/1	517.7		
3316/M	3/1	464.6	16.5615	2.3631
3317/M	3/1	466.0	13.0453	2.0122
3318/M	3/1	424.7	15.9024	1.8038
3319/M	3/1	535.5	12.3005	1.7802
3320/M	3/1	470.3	12.9483	1.8005
Mean:		475.7	14.3350	1.8598
Standard deviation:		34.0	1.4695	0.2180
Number of observ. :		(10)	(9)	(9)
4311/M	4/1	527.9	10.4992	1.5704
4312/M	4/1	619.6	15.1294	1.6844
4313/M	4/1	502.1	16.1476	1.6107

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Thymus	Thyroid/Para
4314/M	4/1	485.7	21.6345	1.8892
4315/M	4/1	515.9		
4316/M	4/1	466.2	10.5156	1.8596
4317/M	4/1	447.0	16.8408	1.4492
4318/M	4/1	510.2	15.6192	2.8054
4319/M	4/1	498.2	15.9335	1.4664
4320/M	4/1	445.7	11.2356	2.0424
M e a n:		501.9	14.8395	1.8198
Standard deviation:		50.0	3.6108	0.4204
Number of observ. :		(10)	(9)	(9)

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Adrenal Glands	Brain	Heart	Kidneys	Liver	Lungs
				Female Animals				
1811/F	1/1	275.0	6.3558	100.0000	46.4628	104.9139	393.3067	75.7728
1812/F	1/1	288.7	3.0197	100.0000	49.2379	100.1298	358.3450	73.5587
1813/F	1/1	341.3	3.6312	100.0000	50.5657	109.9942	424.9396	90.7746
1814/F	1/1	262.9	2.7336	100.0000	50.5078	92.9261	351.6649	74.3469
1815/F	1/1	315.9	3.4123	100.0000	59.3491	95.5348	381.8761	79.4353
1816/F	1/1	312.3	2.8469	100.0000	50.5023	120.7915	413.2301	79.7638
1817/F	1/1	298.2	3.3126	100.0000	48.1329	91.4023	400.6425	79.2461
1818/F	1/1	318.4	3.2993	100.0000	50.5099	109.6481	391.1372	75.0077
1819/F	1/1	292.9	3.2809	100.0000	50.4508	110.9427	378.0910	71.7651
1820/F	1/1	274.5	2.2009	100.0000	56.5276	109.7339	360.8694	82.2629
Mean:		298.0	3.4093	100.0000	51.2247	104.6018	385.4102	78.1934
Standard deviation:		24.1	1.1133	0.0000	3.8426	9.4048	24.0446	5.5133
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	3.8087	100.0000	49.6353	112.5961	383.3260	73.9120
2812/F	2/1	288.4	3.7768	100.0000	53.8088	101.7779	405.1078	83.0460
2813/F	2/1	284.9	3.2870	100.0000	53.7884	117.3484	464.6679	77.0018
2814/F	2/1	339.3						
2815/F	2/1	300.4	4.3874	100.0000	62.7899	108.4523	404.9424	81.0416
2816/F	2/1	299.6	4.5325	100.0000	52.3460	110.9350	390.1861	72.1334
2817/F	2/1	273.9	4.4879	100.0000	51.4166	115.0213	469.5221	87.4789
2818/F	2/1	291.7	4.0637	100.0000	60.1223	127.4917	455.1310	97.4912
2819/F	2/1	291.2	3.5808	100.0000	62.0073	119.5425	397.3621	83.6416
2820/F	2/1	265.1	3.7710	100.0000	59.2178	119.6729	372.7097	88.7783
Mean:		293.1	3.9662	100.0000	56.1258	114.7598	415.8839	82.7250
Standard deviation:		19.7	0.4313	0.0000	4.9239	7.4457	37.0145	7.9346
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3811/F	3/1	270.2	4.0529	100.0000	54.8046	100.3122	365.4077	66.8592
3812/F	3/1	318.9	3.9814	100.0000	52.1222	101.9653	385.1587	99.7001
3813/F	3/1	322.4	4.8564	100.0000	51.6627	114.6874	459.9855	83.0592
3814/F	3/1	251.9	3.1765	100.0000	48.2787	103.6512	338.3476	69.4711
3815/F	3/1	306.4						
3816/F	3/1	326.0	3.8681	100.0000	58.1534	121.6425	441.6945	73.9446
3817/F	3/1	247.4	3.4057	100.0000	48.5470	108.2951	366.8910	77.4804
3818/F	3/1	312.6	3.4648	100.0000	59.2163	87.6811	384.7531	109.3428
3819/F	3/1	256.8	3.7239	100.0000	46.8792	107.4078	397.5825	65.2235
3820/F	3/1	247.1	2.9250	100.0000	49.6119	107.0581	368.7041	69.7733
Mean:		286.0	3.7172	100.0000	52.1418	105.8556	389.8361	79.4283
Standard deviation:		34.0	0.5683	0.0000	4.4081	9.4741	38.6310	15.4313
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4811/F	4/1	265.7	3.1045	100.0000	44.0359	100.5770	342.7309	61.5871
4813/F	4/1	277.7	3.8159	100.0000	45.0886	101.8787	363.5534	64.5196
4814/F	4/1	273.9	4.5774	100.0000	40.0688	98.2703	374.0265	74.9916

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4815/F	4/1	267.3	3.3493	100.0000	52.9849	84.9669	318.0011	63.1582
4816/F	4/1	302.4	3.8031	100.0000	47.7955	96.2937	366.9688	79.2078
4817/F	4/1	279.6	3.0765	100.0000	42.7328	112.6489	363.6548	75.3474
4818/F	4/1	293.1	2.7752	100.0000	42.9038	102.8008	379.9358	75.6505
4819/F	4/1	275.9	4.0043	100.0000	50.1293	113.8760	376.7254	89.1918
4820/F	4/1	276.4	3.8575	100.0000	63.3085	98.3267	381.8396	68.1579
M e a n:		279.1	3.5960	100.0000	47.6720	101.0710	363.0485	72.4235
Standard deviation:		11.7	0.5630	0.0000	7.1029	8.6562	20.6274	8.9212
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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			Female Animals				
1811/F	1/1	275.0	9.7989	0.4774	32.1213	19.6653	1.5865	23.0699
1812/F	1/1	288.7	5.3229	0.6828	29.3648	15.3628	1.1300	40.5587
1813/F	1/1	341.3	5.1349	0.6914	28.1356	18.5475	1.6923	30.3597
1814/F	1/1	262.9	4.5273	0.8489	29.7307	12.6270	1.8544	28.2906
1815/F	1/1	315.9	4.9055	0.5887	29.0596	19.6602	1.3879	32.7112
1816/F	1/1	312.3	4.0836	1.0802	29.2010	20.7057	1.1913	53.3239
1817/F	1/1	298.2	4.1909	0.8081	28.0064	15.8402	1.2297	26.9775
1818/F	1/1	318.4	4.2682	0.5150	22.6262	20.0969	1.9990	31.7032
1819/F	1/1	292.9	5.5799	0.9111	27.9328	10.6264	1.4729	27.1775
1820/F	1/1	274.5	4.1216	0.7853	30.5072	14.7659	1.5806	32.0178
Mean:		298.0	5.1934	0.7389	28.6686	16.7898	1.5124	32.6190
Standard deviation:		24.1	1.7045	0.1861	2.4749	3.4676	0.2872	8.6243
Number of observ. :		(10)	(10)	(10)	(10)	(10)	(10)	(10)
2811/F	2/1	296.5	5.2871	0.9106	29.8918	12.0429	1.6302	54.7853
2812/F	2/1	288.4	4.7198	0.8791	31.9532	10.6969	1.4980	31.4818
2813/F	2/1	284.9	5.0512	1.0816	23.9958	10.8532	1.4492	33.7254
2814/F	2/1	339.3						
2815/F	2/1	300.4	3.7708	0.8585	30.1617	11.1796	1.7929	38.0781
2816/F	2/1	299.6	4.1846	0.7635	30.9737	17.0138	1.5608	32.9693
2817/F	2/1	273.9	8.4431	0.6609	29.6788	17.9415	1.5421	22.1835
2818/F	2/1	291.7	4.3430	0.8170	25.3149	13.3400	2.0292	37.6851
2819/F	2/1	291.2	5.1780	0.7419	26.8793	12.7827	1.8703	58.2256
2820/F	2/1	265.1	4.0831	0.9522	26.5802	16.6604	1.8452	27.5970
Mean:		293.1	5.0067	0.8517	28.3811	13.6123	1.6909	37.4146
Standard deviation:		19.7	1.3918	0.1248	2.7557	2.8473	0.1998	11.8969
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
3811/F	3/1	270.2	3.8291	0.6503	28.3076	10.7903	1.7013	70.9953
3812/F	3/1	318.9	6.3757	0.8350	30.2639	16.4560	1.7393	29.2028
3813/F	3/1	322.4	5.0563	1.0267	25.7541	17.2315	1.5083	25.2044
3814/F	3/1	251.9	4.3032	0.8815	23.5552	10.4580	1.4396	53.1400
3815/F	3/1	306.4						
3816/F	3/1	326.0	4.3638	0.6970	22.1039	12.7528	1.6739	29.8547
3817/F	3/1	247.4	4.2317	0.8973	23.9829	8.7336	1.0707	33.8432
3818/F	3/1	312.6	5.4678	0.7593	29.3987	15.6135	1.1302	24.4065
3819/F	3/1	256.8	3.6188	0.7658	25.3817	12.3730	1.6067	34.7415
3820/F	3/1	247.1	3.3568	0.7248	25.4459	8.2198	1.4754	34.1027
Mean:		286.0	4.5115	0.8042	26.0215	12.5143	1.4828	37.2768
Standard deviation:		34.0	0.9635	0.1173	2.7620	3.3055	0.2403	15.2009
Number of observ. :		(10)	(9)	(9)	(9)	(9)	(9)	(9)
4811/F	4/1	265.7	5.1422	0.8425	26.0039	12.6654	1.2867	33.8111
4813/F	4/1	277.7	3.6793	0.8588	24.4083	12.8873	1.4786	25.0281
4814/F	4/1	273.9	5.8770	0.6976	24.1913	19.4754	1.8157	51.7034

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Summary Statistics for % Organ to Brain Weight
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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Pituitary gland Ovaries		Spleen	Thymus	Thyroid/Para	Uterus
4815/F	4/1	267.3	3.5568	0.6322	24.6417	14.6808	1.6505	27.4022
4816/F	4/1	302.4	4.6227	0.6568	24.4578	18.2008	1.3848	31.5905
4817/F	4/1	279.6	4.3125	0.7353	21.6348	19.5597	1.6240	34.8520
4818/F	4/1	293.1	3.1680	0.7040	19.1001	14.9526	2.2243	62.8048
4819/F	4/1	275.9	5.6187	0.8194	32.5465	13.9004	1.7168	41.9841
4820/F	4/1	276.4	5.6911	0.7715	26.1811	15.1295	1.4679	28.8362
M e a n:		279.1	4.6298	0.7465	24.7962	15.7169	1.6277	37.5569
Standard deviation:		11.7	1.0133	0.0816	3.6493	2.6852	0.2790	12.5013
Number of observ. :		(9)	(9)	(9)	(9)	(9)	(9)	(9)

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Summary statistics for absolute organ weights (g)
Study number: 036141N

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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Brain	Length	Width
				Male	Animals
1321/M	1/1	551.4	2.1224	2.3000	1.3000
1322/M	1/1	439.0	2.1628	2.1000	1.1000
1323/M	1/1	646.2	2.2926	2.4000	1.2000
1324/M	1/1	486.3	2.1036	2.3000	1.3000
1325/M	1/1	502.1	2.1177	2.5000	1.2000
Mean:		525.0	2.1598	2.3200	1.2200
Standard deviation:		78.7	0.0774	0.1483	0.0837
Number of observ. :		(5)	(5)	(5)	(5)
2321/M	2/1	472.1	2.2592	2.3000	1.2000
2322/M	2/1	476.1	2.0226	2.4000	1.3000
2323/M	2/1	479.7	1.9264	2.5000	1.2000
2324/M	2/1	620.3	2.2406	2.5000	1.3000
2325/M	2/1	597.1	2.0263	2.5000	1.3000
Mean:		529.1	2.0950	2.4400	1.2600
Standard deviation:		73.2	0.1471	0.0894	0.0548
Number of observ. :		(5)	(5)	(5)	(5)
3321/M	3/1	545.2	2.2057	2.9000	1.5000
3322/M	3/1	489.7	2.1097	2.4000	1.4000
3323/M	3/1	536.6	2.3964	2.3000	1.4000
3324/M	3/1	504.0	1.9819	2.4000	1.5000
3325/M	3/1	496.6	2.0946	2.3000	1.3000
Mean:		514.4	2.1577	2.4600	1.4200
Standard deviation:		24.9	0.1553	0.2510	0.0837
Number of observ. :		(5)	(5)	(5)	(5)
4321/M	4/1	460.6	2.1959	1.8000	1.3000
4322/M	4/1	536.9	2.0941	2.5000	1.4000
4323/M	4/1	552.7	2.3210	2.6000	1.5000
4324/M	4/1	470.6	2.2227	2.6000	1.2000
4325/M	4/1	443.8	1.9923	2.3000	1.2000
Mean:		492.9	2.1652	2.3600	1.3200
Standard deviation:		48.6	0.1260	0.3362	0.1304
Number of observ. :		(5)	(5)	(5)	(5)

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Summary statistics for absolute organ weights (g)
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Animal No/sex	Group/ Subgroup	Terminal Body wt. (g)	Brain	Length	Width
				Female	Animals
1821/F	1/1	351.7	1.8932	2.5000	1.2000
1822/F	1/1	279.9	1.9363	2.4500	1.4000
1823/F	1/1	320.3	2.1584	2.3000	1.2000
1824/F	1/1	283.8	2.1529	2.4000	1.3000
1825/F	1/1	302.3	2.0099	2.2000	1.2000
Mean:		307.6	2.0301	2.3700	1.2600
Standard deviation:		29.4	0.1220	0.1204	0.0894
Number of observ. :		(5)	(5)	(5)	(5)
2821/F	2/1	301.5	1.9579	2.1000	1.2000
2822/F	2/1	311.8	2.0367	1.7000	1.2000
2823/F	2/1	308.2	1.9529	2.6000	1.2000
2824/F	2/1	341.2	2.0586	2.3000	1.2000
2825/F	2/1	283.0	1.8607	2.4000	1.4000
Mean:		309.1	1.9734	2.2200	1.2400
Standard deviation:		21.1	0.0785	0.3421	0.0894
Number of observ. :		(5)	(5)	(5)	(5)
3821/F	3/1	289.3	1.7998	2.4500	1.3000
3822/F	3/1	287.3	2.0715	2.5500	1.3000
3823/F	3/1	289.7	2.0322	2.3000	1.3000
3824/F	3/1	315.8	2.0271	2.4000	1.2000
3825/F	3/1	296.5	1.9256	2.4000	1.2000
Mean:		295.7	1.9712	2.4200	1.2600
Standard deviation:		11.7	0.1100	0.0908	0.0548
Number of observ. :		(5)	(5)	(5)	(5)
4821/F	4/1	310.5	2.0458	2.2500	1.3500
4822/F	4/1	311.1	1.8793	2.5000	1.3000
4823/F	4/1	308.3	1.9473	2.4000	1.3000
4824/F	4/1	300.3	2.0222	2.3000	1.3000
4825/F	4/1	312.3	2.0037	2.3000	1.3000
Mean:		308.5	1.9797	2.3500	1.3100
Standard deviation:		4.8	0.0669	0.1000	0.0224
Number of observ. :		(5)	(5)	(5)	(5)