3-アミノフェノールのラットを用いた
経口投与による 13 週間毒性試験（混水試験）報告書

試験番号：0692

TABLES

TABLES

TABLES (CONTINUED)

TABLE A 1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
625 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1250 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE A 2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
625 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1250 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000 ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
BROWN URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	4000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	5000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	625 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	1250 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE B 2

CLINICAL OBSERVATION : FEMALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000 ppm	1	1	0	0	0	1	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	1	1	1	3	3	3	3	4	4	4	4
	5000 ppm	0	1	3	3	3	5	4	4	4	4	4	5	5
BROWN URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	4000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	5000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	625 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1250 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	625 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	1250 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE C 1

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	625 ppm Av. Wt.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. Wt.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. Wt.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. Wt.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. Wt.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
0-0	126 (10)	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10
1-7	156 (10)	10/10	158 (10)	101	10/10	158 (10)	101	10/10	151 (10)	97	10/10	149 (10)	96	10/10	143 (10)	92	10/10
2-7	187 (10)	10/10	190 (10)	102	10/10	190 (10)	102	10/10	180 (10)	96	10/10	176 (10)	94	10/10	168 (10)	90	10/10
3-7	214 (10)	10/10	214 (10)	100	10/10	216 (10)	101	10/10	205 (10)	96	10/10	200 (10)	93	10/10	190 (10)	89	10/10
4-7	234 (10)	10/10	235 (10)	100	10/10	236 (10)	101	10/10	225 (10)	96	10/10	219 (10)	94	10/10	207 (10)	88	10/10
5-7	251 (10)	10/10	251 (10)	100	10/10	253 (10)	101	10/10	241 (10)	96	10/10	234 (10)	93	10/10	221 (10)	88	10/10
6-7	265 (10)	10/10	264 (10)	100	10/10	268 (10)	101	10/10	254 (10)	96	10/10	243 (10)	92	10/10	231 (10)	87	10/10
7-7	276 (10)	10/10	275 (10)	100	10/10	280 (10)	101	10/10	266 (10)	96	10/10	253 (10)	92	10/10	240 (10)	87	10/10
8-7	288 (10)	10/10	287 (10)	100	10/10	285 (10)	99	10/10	274 (10)	95	10/10	263 (10)	91	10/10	246 (10)	85	10/10
9-7	297 (10)	10/10	294 (10)	99	10/10	292 (10)	98	10/10	282 (10)	95	10/10	272 (10)	92	10/10	252 (10)	85	10/10
10-7	305 (10)	10/10	304 (10)	100	10/10	300 (10)	98	10/10	287 (10)	94	10/10	276 (10)	90	10/10	255 (10)	84	10/10
11-7	312 (10)	10/10	311 (10)	100	10/10	307 (10)	98	10/10	291 (10)	93	10/10	281 (10)	90	10/10	260 (10)	83	10/10
12-7	317 (10)	10/10	317 (10)	100	10/10	311 (10)	98	10/10	294 (10)	93	10/10	284 (10)	90	10/10	263 (10)	83	10/10
13-7	323 (10)	10/10	322 (10)	100	10/10	314 (10)	97	10/10	296 (10)	92	10/10	286 (10)	89	10/10	265 (10)	82	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE C 2

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	625 ppm Av. Wt.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. Wt.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. Wt.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. Wt.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. Wt.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
0-0	99 (10)	10/10	99 (10)	100	10/10	99 (10)	100	10/10	99 (10)	100	10/10	99 (10)	100	10/10	99 (10)	100	10/10
1-7	115 (10)	10/10	117 (10)	102	10/10	114 (10)	99	10/10	113 (10)	98	10/10	109 (10)	95	10/10	105 (10)	91	10/10
2-7	127 (10)	10/10	128 (10)	101	10/10	125 (10)	98	10/10	124 (10)	98	10/10	119 (10)	94	10/10	114 (10)	90	10/10
3-7	136 (10)	10/10	138 (10)	101	10/10	135 (10)	99	10/10	133 (10)	98	10/10	127 (10)	93	10/10	122 (10)	90	10/10
4-7	144 (10)	10/10	145 (10)	101	10/10	142 (10)	99	10/10	140 (10)	97	10/10	134 (10)	93	10/10	129 (10)	90	10/10
5-7	150 (10)	10/10	152 (10)	101	10/10	147 (10)	98	10/10	144 (10)	96	10/10	138 (10)	92	10/10	133 (10)	89	10/10
6-7	156 (10)	10/10	157 (10)	101	10/10	152 (10)	97	10/10	148 (10)	95	10/10	142 (10)	91	10/10	136 (10)	87	10/10
7-7	160 (10)	10/10	162 (10)	101	10/10	156 (10)	98	10/10	152 (10)	95	10/10	144 (10)	90	10/10	140 (10)	88	10/10
8-7	162 (10)	10/10	164 (10)	101	10/10	159 (10)	98	10/10	155 (10)	96	10/10	147 (10)	91	10/10	142 (10)	88	10/10
9-7	166 (10)	10/10	167 (10)	101	10/10	161 (10)	97	10/10	156 (10)	94	10/10	150 (10)	90	10/10	143 (10)	86	10/10
10-7	168 (10)	10/10	171 (10)	102	10/10	164 (10)	98	10/10	159 (10)	95	10/10	153 (10)	91	10/10	145 (10)	86	10/10
11-7	172 (10)	10/10	174 (10)	101	10/10	168 (10)	98	10/10	162 (10)	94	10/10	156 (10)	91	10/10	149 (10)	87	10/10
12-7	173 (10)	10/10	175 (10)	101	10/10	169 (10)	98	10/10	163 (10)	94	10/10	156 (10)	90	10/10	149 (10)	86	10/10
13-7	174 (10)	10/10	178 (10)	102	10/10	171 (10)	98	10/10	165 (10)	95	10/10	159 (10)	91	10/10	152 (10)	87	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE C 3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	126± 4	156± 7	187± 8	214± 11	234± 13	251± 14	265± 15
625 ppm	126± 4	158± 6	190± 8	214± 8	235± 8	251± 9	264± 10
1250 ppm	126± 4	158± 7	190± 8	216± 12	236± 13	253± 14	268± 14
2500 ppm	126± 4	151± 5	180± 8	205± 11	225± 11	241± 14	254± 14
4000 ppm	126± 3	149± 5*	176± 7*	200± 9*	219± 9**	234± 9**	243± 11**
5000 ppm	126± 4	143± 5**	168± 6**	190± 6**	207± 6**	221± 6**	231± 6**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	276± 17	288± 17	297± 17	305± 19	312± 19	317± 20	323± 19
625 ppm	275± 12	287± 14	294± 14	304± 16	311± 16	317± 15	322± 16
1250 ppm	280± 17	285± 16	292± 16	300± 17	307± 16	311± 17	314± 17
2500 ppm	266± 14	274± 17	282± 18	287± 21	291± 24*	294± 25*	296± 26**
4000 ppm	253± 9**	263± 10**	272± 10**	276± 11**	281± 11**	284± 13**	286± 13**
5000 ppm	240± 7**	246± 7**	252± 9**	255± 8**	260± 9**	263± 9**	265± 10**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE C 4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	99± 2	115± 4	127± 4	136± 5	144± 6	150± 8	156± 9
625 ppm	99± 2	117± 2	128± 3	138± 2	145± 3	152± 3	157± 5
1250 ppm	99± 3	114± 3	125± 3	135± 3	142± 4	147± 5	152± 5
2500 ppm	99± 2	113± 2	124± 3	133± 4	140± 5	144± 6	148± 6
4000 ppm	99± 2	109± 3**	119± 5**	127± 5**	134± 6**	138± 6**	142± 7**
5000 ppm	99± 2	105± 4**	114± 3**	122± 5**	129± 7**	133± 7**	136± 8**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	160± 10	162± 9	166± 10	168± 9	172± 9	173± 10	174± 10
625 ppm	162± 5	164± 6	167± 5	171± 6	174± 6	175± 7	178± 6
1250 ppm	156± 6	159± 7	161± 8	164± 8	168± 7	169± 8	171± 8
2500 ppm	152± 7	155± 8	156± 9*	159± 10	162± 10*	163± 11	165± 10
4000 ppm	144± 8**	147± 8**	150± 8**	153± 8**	156± 9**	156± 9**	159± 9**
5000 ppm	140± 7**	142± 8**	143± 8**	145± 9**	149± 9**	149± 11**	152± 9**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE D 1

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	625 ppm Av. FC.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. FC.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. FC.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. FC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. FC.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
1-7	13.8 (10)	10/10	13.8 (10)	100	10/10	13.8 (10)	100	10/10	12.5 (10)	91	10/10	12.1 (10)	88	10/10	11.5 (10)	83	10/10
2-7	14.9 (10)	10/10	15.1 (10)	101	10/10	14.9 (10)	100	10/10	14.0 (10)	94	10/10	13.8 (10)	93	10/10	13.1 (10)	88	10/10
3-7	15.7 (10)	10/10	15.9 (10)	101	10/10	16.0 (10)	102	10/10	15.0 (10)	96	10/10	14.5 (10)	92	10/10	13.8 (10)	88	10/10
4-7	16.4 (10)	10/10	15.8 (10)	96	10/10	15.8 (10)	96	10/10	15.3 (10)	93	10/10	14.8 (10)	90	10/10	14.2 (10)	87	10/10
5-7	16.2 (10)	10/10	15.8 (10)	98	10/10	15.9 (10)	98	10/10	15.1 (10)	93	10/10	14.6 (10)	90	10/10	14.1 (10)	87	10/10
6-7	16.1 (10)	10/10	15.9 (10)	99	10/10	16.0 (10)	99	10/10	15.2 (10)	94	10/10	14.4 (10)	89	10/10	14.2 (10)	88	10/10
7-7	15.5 (10)	10/10	15.5 (10)	100	10/10	15.9 (10)	103	10/10	14.9 (10)	96	10/10	14.5 (10)	94	10/10	14.0 (10)	90	10/10
8-7	15.8 (10)	10/10	15.5 (10)	98	10/10	15.3 (10)	97	10/10	14.6 (10)	92	10/10	14.4 (10)	91	10/10	13.7 (10)	87	10/10
9-7	15.7 (10)	10/10	15.7 (10)	100	10/10	15.7 (10)	100	10/10	15.0 (10)	96	10/10	14.8 (10)	94	10/10	13.7 (10)	87	10/10
10-7	15.3 (10)	10/10	15.9 (10)	104	10/10	15.3 (10)	100	10/10	14.7 (10)	96	10/10	14.5 (10)	95	10/10	13.7 (10)	90	10/10
11-7	15.1 (10)	10/10	15.4 (10)	102	10/10	14.8 (10)	98	10/10	14.3 (10)	95	10/10	14.1 (10)	93	10/10	13.3 (10)	88	10/10
12-7	15.1 (10)	10/10	15.4 (10)	102	10/10	14.7 (10)	97	10/10	14.0 (10)	93	10/10	13.8 (10)	91	10/10	13.0 (10)	86	10/10
13-7	15.4 (10)	10/10	15.9 (10)	103	10/10	14.9 (10)	97	10/10	14.2 (10)	92	10/10	14.2 (10)	92	10/10	13.4 (10)	87	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE D 2

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	625 ppm Av. FC.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. FC.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. FC.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. FC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. FC.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
1-7	10.9 (10)	10/10	10.9 (10)	100	10/10	10.6 (10)	97	10/10	10.1 (10)	93	10/10	9.3 (10)	85	10/10	8.8 (10)	81	10/10
2-7	10.8 (10)	10/10	10.8 (10)	100	10/10	10.3 (10)	95	10/10	10.4 (10)	96	10/10	9.5 (10)	88	10/10	9.2 (10)	85	10/10
3-7	11.3 (10)	10/10	11.4 (10)	101	10/10	10.9 (10)	96	10/10	10.7 (10)	95	10/10	10.0 (10)	88	10/10	9.6 (10)	85	10/10
4-7	10.9 (10)	10/10	11.3 (10)	104	10/10	10.8 (10)	99	10/10	10.4 (10)	95	10/10	9.9 (10)	91	10/10	9.5 (10)	87	10/10
5-7	11.0 (10)	10/10	11.7 (10)	106	10/10	10.7 (10)	97	10/10	10.2 (10)	93	10/10	9.7 (10)	88	10/10	9.4 (10)	85	10/10
6-7	11.0 (10)	10/10	11.0 (10)	100	10/10	10.4 (10)	95	10/10	10.1 (10)	92	10/10	9.6 (10)	87	10/10	9.1 (10)	83	10/10
7-7	10.8 (10)	10/10	10.9 (10)	101	10/10	10.3 (10)	95	10/10	10.0 (10)	93	10/10	9.7 (10)	90	10/10	9.1 (10)	84	10/10
8-7	10.3 (10)	10/10	10.7 (10)	104	10/10	10.0 (10)	97	10/10	9.6 (10)	93	10/10	9.2 (10)	89	10/10	8.9 (10)	86	10/10
9-7	10.1 (10)	10/10	10.6 (10)	105	10/10	9.9 (10)	98	10/10	9.5 (10)	94	10/10	9.2 (10)	91	10/10	8.7 (10)	86	10/10
10-7	10.2 (10)	10/10	10.5 (10)	103	10/10	9.8 (10)	96	10/10	9.4 (10)	92	10/10	9.3 (10)	91	10/10	8.6 (10)	84	10/10
11-7	10.1 (10)	10/10	10.7 (10)	106	10/10	9.9 (10)	98	10/10	9.4 (10)	93	10/10	9.2 (10)	91	10/10	8.7 (10)	86	10/10
12-7	10.2 (10)	10/10	10.5 (10)	103	10/10	9.7 (10)	95	10/10	9.3 (10)	91	10/10	9.0 (10)	88	10/10	8.6 (10)	84	10/10
13-7	10.0 (10)	10/10	10.7 (10)	107	10/10	9.9 (10)	99	10/10	9.6 (10)	96	10/10	9.5 (10)	95	10/10	9.1 (10)	91	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE D 3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	13.8± 0.7	14.9± 0.8	15.7± 0.7	16.4± 0.9	16.2± 1.1	16.1± 1.1	15.5± 1.1
625 ppm	13.8± 0.4	15.1± 0.7	15.9± 0.8	15.8± 0.7	15.8± 0.6	15.9± 0.7	15.5± 0.7
1250 ppm	13.8± 0.9	14.9± 0.8	16.0± 1.3	15.8± 1.3	15.9± 1.3	16.0± 1.3	15.9± 1.2
2500 ppm	12.5± 0.5**	14.0± 0.7*	15.0± 0.8	15.3± 0.9*	15.1± 0.8*	15.2± 0.8	14.9± 0.9
4000 ppm	12.1± 0.4**	13.8± 0.7**	14.5± 0.7**	14.8± 0.7**	14.6± 0.4**	14.4± 0.6**	14.5± 0.4*
5000 ppm	11.5± 0.8**	13.1± 0.8**	13.8± 0.6**	14.2± 0.8**	14.1± 0.5**	14.2± 0.6**	14.0± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	15.8± 1.2	15.7± 1.1	15.3± 1.1	15.1± 1.4	15.1± 1.4	15.4± 1.2
625 ppm	15.5± 0.7	15.7± 0.7	15.9± 0.9	15.4± 1.0	15.4± 0.8	15.9± 0.9
1250 ppm	15.3± 1.1	15.7± 1.2	15.3± 1.3	14.8± 0.7	14.7± 0.8	14.9± 1.2
2500 ppm	14.6± 1.0*	15.0± 0.8	14.7± 1.0	14.3± 1.1	14.0± 1.1*	14.2± 1.2
4000 ppm	14.4± 0.4**	14.8± 0.7	14.5± 0.8	14.1± 0.7	13.8± 0.7*	14.2± 0.9
5000 ppm	13.7± 0.5**	13.7± 0.6**	13.7± 0.6**	13.3± 0.7**	13.0± 0.7**	13.4± 1.1**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE D 4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	10.9± 0.5	10.8± 0.6	11.3± 0.9	10.9± 1.0	11.0± 0.9	11.0± 0.7	10.8± 1.1
625 ppm	10.9± 0.5	10.8± 0.7	11.4± 0.5	11.3± 0.5	11.7± 0.5	11.0± 0.7	10.9± 0.7
1250 ppm	10.6± 0.6	10.3± 0.4	10.9± 0.4	10.8± 0.5	10.7± 0.7	10.4± 0.6	10.3± 0.6
2500 ppm	10.1± 0.5**	10.4± 0.5	10.7± 0.7	10.4± 0.8	10.2± 0.9*	10.1± 0.8*	10.0± 0.9
4000 ppm	9.3± 0.5**	9.5± 0.5**	10.0± 0.4**	9.9± 0.5**	9.7± 0.6**	9.6± 0.6**	9.7± 0.5*
5000 ppm	8.8± 0.5**	9.2± 0.4**	9.6± 0.5**	9.5± 0.6**	9.4± 0.4**	9.1± 0.5**	9.1± 0.5**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	10.3± 0.9	10.1± 0.5	10.2± 0.6	10.1± 0.8	10.2± 0.6	10.0± 0.7
625 ppm	10.7± 0.3	10.6± 0.4	10.5± 0.5	10.7± 0.6	10.5± 0.4	10.7± 0.6
1250 ppm	10.0± 0.7	9.9± 0.8	9.8± 0.7	9.9± 0.5	9.7± 0.7	9.9± 0.7
2500 ppm	9.6± 0.9	9.5± 1.0	9.4± 1.0	9.4± 0.9	9.3± 0.9*	9.6± 0.8
4000 ppm	9.2± 0.5**	9.2± 0.7*	9.3± 0.5*	9.2± 0.5*	9.0± 0.6**	9.5± 0.6
5000 ppm	8.9± 0.5**	8.7± 0.6**	8.6± 0.6**	8.7± 0.6**	8.6± 0.6**	9.1± 0.8*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E 1

WATER CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

Week-Day on Study	Control Av. WC.	Control No. of Surviv. <10>	625 ppm Av. WC.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. WC.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. WC.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. WC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. WC.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
1-7	17.2 (10)	10/10	16.6 (10)	97	10/10	16.1 (10)	94	10/10	13.6 (10)	79	10/10	12.9 (10)	75	10/10	11.6 (10)	67	10/10
2-7	18.3 (10)	10/10	17.5 (9)	96	10/10	16.8 (10)	92	10/10	14.1 (10)	77	10/10	14.2 (10)	78	10/10	11.2 (10)	61	10/10
3-7	20.0 (10)	10/10	18.1 (10)	91	10/10	17.5 (10)	88	10/10	14.3 (10)	72	10/10	12.8 (10)	64	10/10	11.8 (10)	59	10/10
4-7	19.7 (9)	10/10	18.2 (10)	92	10/10	17.5 (10)	89	10/10	14.6 (10)	74	10/10	12.9 (10)	65	10/10	11.7 (10)	59	10/10
5-7	19.7 (9)	10/10	18.4 (10)	93	10/10	17.8 (10)	90	10/10	14.8 (10)	75	10/10	12.7 (10)	64	10/10	11.6 (10)	59	10/10
6-7	19.7 (10)	10/10	18.0 (10)	91	10/10	17.6 (10)	89	10/10	14.7 (10)	75	10/10	12.7 (10)	64	10/10	11.5 (10)	58	10/10
7-7	18.8 (9)	10/10	17.7 (10)	94	10/10	17.2 (10)	91	10/10	14.2 (10)	76	10/10	12.6 (10)	67	10/10	11.2 (10)	60	10/10
8-7	18.7 (9)	10/10	17.3 (10)	93	10/10	17.2 (10)	92	10/10	13.8 (10)	74	10/10	12.5 (10)	67	10/10	11.0 (10)	59	10/10
9-7	19.1 (10)	10/10	17.7 (10)	93	10/10	17.7 (10)	93	10/10	14.0 (10)	73	10/10	13.7 (10)	72	10/10	11.4 (10)	60	10/10
10-7	18.3 (9)	10/10	17.6 (10)	96	10/10	16.7 (10)	91	10/10	13.6 (10)	74	10/10	12.3 (10)	67	10/10	10.7 (10)	58	10/10
11-7	19.0 (10)	10/10	17.5 (10)	92	10/10	16.4 (10)	86	10/10	13.4 (10)	71	10/10	12.0 (10)	63	10/10	11.1 (10)	58	10/10
12-7	18.2 (10)	10/10	17.2 (10)	95	10/10	15.6 (10)	86	10/10	12.8 (10)	70	10/10	11.3 (10)	62	10/10	10.2 (10)	56	10/10
13-7	17.8 (10)	10/10	16.8 (10)	94	10/10	15.6 (10)	88	10/10	12.4 (10)	70	10/10	11.6 (10)	65	10/10	10.3 (10)	58	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. WC. : g

TABLE E 2

WATER CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

Week-Day on Study	Control Av. WC.	Control No. of Surviv. <10>	625 ppm Av. WC.	625 ppm % of cont. <10>	625 ppm No. of Surviv.	1250 ppm Av. WC.	1250 ppm % of cont. <10>	1250 ppm No. of Surviv.	2500 ppm Av. WC.	2500 ppm % of cont. <10>	2500 ppm No. of Surviv.	4000 ppm Av. WC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	5000 ppm Av. WC.	5000 ppm % of cont. <10>	5000 ppm No. of Surviv.
1-7	14.7 (10)	10/10	15.2 (10)	103	10/10	13.2 (10)	90	10/10	11.4 (10)	78	10/10	10.0 (10)	68	10/10	9.1 (10)	62	10/10
2-7	14.9 (8)	10/10	14.8 (7)	99	10/10	12.8 (10)	86	10/10	10.7 (10)	72	10/10	9.4 (10)	63	10/10	8.6 (10)	58	10/10
3-7	16.4 (9)	10/10	16.2 (7)	99	10/10	13.6 (10)	83	10/10	10.5 (10)	64	10/10	9.2 (10)	56	10/10	8.4 (10)	51	10/10
4-7	18.4 (8)	10/10	17.1 (7)	93	10/10	12.6 (7)	68	10/10	10.5 (10)	57	10/10	9.1 (10)	49	10/10	8.3 (10)	45	10/10
5-7	20.0 (9)	10/10	15.5 (4)	78	10/10	13.6 (7)	68	10/10	10.7 (10)	54	10/10	8.8 (10)	44	10/10	8.1 (10)	41	10/10
6-7	18.0 (8)	10/10	15.1 (5)	84	10/10	15.9 (10)	88	10/10	9.9 (10)	55	10/10	8.8 (10)	49	10/10	7.6 (10)	42	10/10
7-7	19.5 (10)	10/10	16.3 (5)	84	10/10	16.6 (10)	85	10/10	10.0 (10)	51	10/10	8.7 (10)	45	10/10	7.8 (10)	40	10/10
8-7	18.3 (10)	10/10	19.3 (7)	105	10/10	15.2 (10)	83	10/10	10.1 (10)	55	10/10	8.5 (10)	46	10/10	7.4 (10)	40	10/10
9-7	19.6 (10)	10/10	19.9 (8)	102	10/10	14.3 (10)	73	10/10	9.4 (10)	48	10/10	8.4 (10)	43	10/10	7.5 (10)	38	10/10
10-7	18.7 (10)	10/10	19.9 (7)	106	10/10	15.4 (10)	82	10/10	9.4 (10)	50	10/10	8.4 (10)	45	10/10	7.1 (10)	38	10/10
11-7	19.0 (9)	10/10	19.2 (4)	101	10/10	14.2 (9)	75	10/10	9.6 (10)	51	10/10	8.4 (10)	44	10/10	7.6 (10)	40	10/10
12-7	19.3 (9)	10/10	16.7 (5)	87	10/10	12.2 (10)	63	10/10	8.9 (10)	46	10/10	7.7 (10)	40	10/10	7.0 (10)	36	10/10
13-7	16.8 (7)	10/10	21.1 (7)	126	10/10	13.3 (10)	79	10/10	8.7 (10)	52	10/10	7.9 (10)	47	10/10	7.5 (10)	45	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. WC. : g

TABLE E 3

WATER CONSUMPTION CHANGES : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(4)	2-7(4)	3-7(4)	4-7(4)	5-7(4)	6-7(4)	7-7(4)
Control	17.2± 0.6	18.3± 0.4	20.0± 2.3	19.7± 0.9	19.7± 2.2	19.7± 1.8	18.8± 1.2
625 ppm	16.6± 1.2	17.5± 1.3	18.1± 1.3*	18.2± 1.4*	18.4± 1.3	18.0± 1.2**	17.7± 1.0*
1250 ppm	16.1± 0.8*	16.8± 1.3	17.5± 1.5**	17.5± 1.6**	17.8± 1.2**	17.6± 1.3**	17.2± 1.0**
2500 ppm	13.6± 1.0**	14.1± 1.1**	14.3± 1.5**	14.6± 1.1**	14.8± 1.2**	14.7± 0.9**	14.2± 0.8**
4000 ppm	12.9± 0.6**	14.2± 3.9**	12.8± 0.6**	12.9± 0.4**	12.7± 0.6**	12.7± 0.8**	12.6± 0.5**
5000 ppm	11.6± 0.8**	11.2± 0.7**	11.8± 0.9**	11.7± 1.0**	11.6± 0.5**	11.5± 0.7**	11.2± 0.7**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(4)	9-7(4)	10-7(4)	11-7(4)	12-7(4)	13-7(4)
Control	18.7± 1.3	19.1± 2.1	18.3± 0.9	19.0± 2.1	18.2± 2.5	17.8± 3.1
625 ppm	17.3± 1.1*	17.7± 1.2	17.6± 1.3	17.5± 1.3	17.2± 1.2	16.8± 0.9
1250 ppm	17.2± 1.3**	17.7± 1.8	16.7± 1.4*	16.4± 1.1**	15.6± 1.1**	15.6± 1.0**
2500 ppm	13.8± 0.9**	14.0± 0.9**	13.6± 0.9**	13.4± 1.4**	12.8± 1.2**	12.4± 1.0**
4000 ppm	12.5± 0.4**	13.7± 2.3**	12.3± 1.0**	12.0± 0.5**	11.3± 0.8**	11.6± 0.7**
5000 ppm	11.0± 0.5**	11.4± 0.7**	10.7± 1.1**	11.1± 1.1**	10.2± 0.9**	10.3± 0.8**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E 4

WATER CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(4)	2-7(4)	3-7(4)	4-7(4)	5-7(4)	6-7(4)	7-7(4)
Control	14.7± 1.0	14.9± 0.8	16.4± 3.9	18.4± 4.1	20.0± 5.5	18.0± 2.7	19.5± 4.4
625 ppm	15.2± 1.3	14.8± 1.4	16.2± 2.5	17.1± 3.2	15.5± 0.5	15.1± 2.5	16.3± 2.9
1250 ppm	13.2± 1.3**	12.8± 1.4**	13.6± 2.0	12.6± 1.7**	13.6± 2.1**	15.9± 4.5	16.6± 5.8
2500 ppm	11.4± 0.6**	10.7± 0.7**	10.5± 1.1**	10.5± 1.6**	10.7± 1.8**	9.9± 1.0**	10.0± 0.9**
4000 ppm	10.0± 0.6**	9.4± 0.6**	9.2± 0.5**	9.1± 0.4**	8.8± 0.7**	8.8± 0.6**	8.7± 0.7**
5000 ppm	9.1± 0.7**	8.6± 0.5**	8.4± 0.5**	8.3± 0.5**	8.1± 0.5**	7.6± 0.6**	7.8± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(4)	9-7(4)	10-7(4)	11-7(4)	12-7(4)	13-7(4)
Control	18.3± 3.7	19.6± 4.7	18.7± 4.7	19.0± 3.5	19.3± 4.9	16.8± 2.7
625 ppm	19.3± 3.6	19.9± 5.5	19.9± 6.7	19.2± 7.1	16.7± 4.3	21.1± 6.3
1250 ppm	15.2± 5.9	14.3± 3.9**	15.4± 6.4	14.2± 4.3*	12.2± 2.6**	13.3± 3.5
2500 ppm	10.1± 1.8**	9.4± 1.1**	9.4± 1.2**	9.6± 1.1**	8.9± 0.8**	8.7± 1.0**
4000 ppm	8.5± 0.9**	8.4± 0.5**	8.4± 0.6**	8.4± 0.4**	7.7± 0.4**	7.9± 0.4**
5000 ppm	7.4± 0.6**	7.5± 0.3**	7.1± 0.4**	7.6± 0.7**	7.0± 0.3**	7.5± 0.8**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE F 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 1		2		3		4		5		6		7	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
625 ppm	65±	3	58±	4	53±	3	49±	3	46±	3	43±	2	40±	2
1250 ppm	127±	6	111±	6	101±	3	93±	4	88±	4	82±	3	77±	3
2500 ppm	225±	18	196±	14	175±	15	163±	10	153±	11	145±	10	133±	5
4000 ppm	348±	25	325±	99	256±	13	235±	8	217±	9	208±	9	199±	7
5000 ppm	405±	25	334±	15	310±	17	283±	19	264±	8	248±	11	233±	9

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 8		9		10		11		12		13	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
625 ppm	38±	2	38±	2	36±	2	35±	2	34±	2	33±	1
1250 ppm	76±	4	76±	6	70±	3	67±	3	63±	3	62±	4
2500 ppm	126±	7	125±	10	119±	5	114±	6	109±	6	105±	5
4000 ppm	190±	8	201±	32	178±	13	171±	6	159±	6	163±	9
5000 ppm	224±	9	226±	12	211±	21	213±	16	194±	15	195±	9

TABLE F 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 1		2		3		4		5		6		7	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
625 ppm	82±	7	73±	8	74±	12	74±	13	64±	2	60±	9	63±	10
1250 ppm	144±	13	128±	13	126±	18	111±	13	116±	16	131±	36	132±	43
2500 ppm	251±	10	214±	10	196±	17	188±	23	186±	27	167±	13	164±	11
4000 ppm	367±	17	315±	19	289±	14	273±	13	256±	18	249±	19	243±	20
5000 ppm	430±	22	376±	31	342±	20	321±	24	305±	26	281±	28	280±	21

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 8		9		10		11		12		13	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
625 ppm	73±	14	75±	21	72±	22	71±	28	59±	13	74±	23
1250 ppm	119±	42	110±	25	116±	43	104±	27	90±	15	97±	23
2500 ppm	162±	25	150±	12	147±	13	147±	13	136±	8	131±	11
4000 ppm	232±	23	225±	14	219±	14	216±	7	196±	9	200±	12
5000 ppm	261±	21	264±	19	246±	18	255±	26	236±	17	249±	29

TABLE G 1

HEMATOLOGY : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	9.23± 0.17	16.3± 0.3	45.7± 0.7	49.5± 0.6	17.7± 0.3	35.7± 0.4	786± 45
625 ppm	10	9.34± 0.19	16.5± 0.4	46.3± 1.0	49.6± 0.4	17.6± 0.3	35.6± 0.5	796± 39
1250 ppm	10	9.24± 0.17	16.2± 0.3	45.9± 0.8	49.7± 0.3	17.6± 0.3	35.4± 0.4	760± 45
2500 ppm	10	9.05± 0.14	16.0± 0.2	45.1± 0.5	49.9± 0.3	17.7± 0.2	35.5± 0.3	746± 64
4000 ppm	10	8.89± 0.10**	15.8± 0.2**	44.8± 0.5*	50.3± 0.4**	17.8± 0.3	35.3± 0.4	769± 37
5000 ppm	10	8.82± 0.17**	15.9± 0.3**	44.9± 0.7	50.9± 0.4**	18.0± 0.2*	35.3± 0.3	790± 32

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

Group Name	NO. of Animals	RETICULOCYTE %	METHEMOGLOBIN %
Control	10	1.2± 0.3	0.9± 0.3
625 ppm	10	1.2± 0.3	0.8± 0.3
1250 ppm	10	1.2± 0.4	1.0± 0.3
2500 ppm	10	1.2± 0.3	0.8± 0.2
4000 ppm	10	1.5± 0.5	1.0± 0.2
5000 ppm	10	1.4± 0.6	1.0± 0.3

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) N-BAND	N-SEG	EOSINO	BASO	MONO	LYMPHO	OTHER
Control	10	6.33± 1.39	2± 1	21± 3	1± 1	0± 0	3± 2	73± 4	0± 0
625 ppm	10	6.78± 0.87	1± 1	25± 5*	1± 1	0± 0	3± 1	70± 4	0± 0
1250 ppm	10	6.50± 1.33	1± 1	23± 3	1± 1	0± 0	2± 1	73± 4	0± 0
2500 ppm	10	6.47± 1.13	1± 1	21± 4	1± 0	0± 0	2± 1	75± 4	0± 0
4000 ppm	10	6.83± 1.01	1± 1	21± 4	1± 1	0± 0	3± 2	74± 4	0± 0
5000 ppm	10	7.28± 0.65	1± 1	19± 3	1± 0	0± 0	3± 1	77± 3	0± 0

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE G 2

HEMATOLOGY : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	8.67± 0.19	16.4± 0.5	45.1± 1.1	52.1± 0.3	19.0± 0.2	36.4± 0.3	873± 51
625 ppm	10	8.44± 0.12**	16.0± 0.3	44.0± 0.6	52.2± 0.3	19.0± 0.2	36.4± 0.3	887± 57
1250 ppm	10	8.38± 0.16**	16.0± 0.4	43.8± 0.8*	52.3± 0.3	19.1± 0.3	36.5± 0.5	914± 61
2500 ppm	10	8.17± 0.13**	15.7± 0.4**	43.3± 0.9**	53.0± 0.5**	19.3± 0.2	36.4± 0.3	882± 57
4000 ppm	10	8.08± 0.20**	15.9± 0.5*	43.3± 1.1**	53.6± 0.4**	19.7± 0.4**	36.7± 0.7	871± 43
5000 ppm	10	8.13± 0.09**	15.9± 0.3*	43.9± 0.3*	54.0± 0.3**	19.5± 0.3**	36.2± 0.5	846± 46

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of Dunnett

Group Name	NO. of Animals	RETICULOCYTE %		METHEMOGLOBIN %	
Control	10	1.1±	0.3	0.9±	0.3
625 ppm	10	1.3±	0.4	0.9±	0.2
1250 ppm	10	1.5±	0.5	1.0±	0.3
2500 ppm	10	1.7±	0.5*	1.1±	0.4
4000 ppm	10	1.6±	0.6	1.2±	0.3
5000 ppm	10	1.6±	0.4	1.3±	0.3*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) N-BAND		N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	10	4.08±	0.87	2±	1	22±	5	1±	1	0±	0	3±	1	72±	6	0±	0
625 ppm	10	4.07±	0.70	1±	1	19±	3	1±	0	0±	0	2±	1	77±	3	0±	0
1250 ppm	10	4.22±	0.73	2±	1	19±	4	1±	1	0±	0	2±	1	76±	4	0±	0
2500 ppm	10	4.67±	1.03	2±	2	17±	4*	1±	1	0±	0	2±	0	77±	5	0±	0
4000 ppm	10	4.66±	1.28	1±	1	16±	4**	2±	1	0±	0	3±	1	78±	5*	0±	0
5000 ppm	10	5.23±	0.62*	2±	1	14±	4**	1±	1	0±	0	3±	1*	79±	4**	0±	0

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE H 1

BIOCHEMISTRY : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl	ALBUMIN g/dl	A/G RATIO	T-BILIRUBIN mg/dl	GLUCOSE mg/dl	T-CHOLESTEROL mg/dl	TRIGLYCERIDE mg/dl
Control	10	6.6± 0.1	3.5± 0.1	1.1± 0.0	0.11± 0.01	165± 6	69± 5	53± 15
625 ppm	10	6.8± 0.1	3.6± 0.1	1.1± 0.1	0.11± 0.01	167± 6	69± 5	54± 15
1250 ppm	10	6.7± 0.1	3.6± 0.1	1.1± 0.1	0.11± 0.01	164± 10	68± 3	55± 14
2500 ppm	10	6.7± 0.2	3.6± 0.1*	1.2± 0.1	0.12± 0.01	163± 8	72± 4	60± 16
4000 ppm	10	6.8± 0.1	3.7± 0.1**	1.2± 0.0	0.12± 0.01	160± 9	73± 4	62± 13
5000 ppm	10	6.7± 0.1	3.6± 0.1*	1.2± 0.0	0.12± 0.01	164± 12	75± 5*	56± 13

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl	AST IU/l	ALT IU/l	LDH IU/l	ALP IU/l	G-GTP IU/l	CK IU/l
Control	10	120± 7	91± 18	51± 9	175± 36	250± 20	1± 0	109± 16
625 ppm	10	122± 10	88± 19	49± 10	182± 43	244± 11	1± 0	109± 15
1250 ppm	10	121± 6	102± 35	53± 12	197± 70	245± 18	1± 1	102± 19
2500 ppm	10	127± 7	100± 44	55± 18	185± 75	234± 12	1± 0	94± 13
4000 ppm	10	128± 9	88± 25	49± 8	151± 48	225± 17**	1± 0	90± 8*
5000 ppm	10	129± 9*	85± 18	48± 9	146± 34	221± 15**	1± 1	96± 9

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl	CREATININE mg/dl	SODIUM mEq/l	POTASSIUM mEq/l	CHLORIDE mEq/l	CALCIUM mg/dl	INORGANIC PHOSPHORUS mg/dl
Control	10	18.6± 1.4	0.5± 0.1	143± 1	3.8± 0.3	105± 1	10.4± 0.2	5.6± 0.9
625 ppm	10	18.9± 1.3	0.5± 0.1	143± 1	3.7± 0.2	105± 1	10.5± 0.2	5.5± 0.8
1250 ppm	10	18.5± 1.3	0.6± 0.1	143± 1	3.8± 0.3	105± 1	10.4± 0.1	5.2± 0.8
2500 ppm	10	20.2± 1.0	0.5± 0.0	142± 1	3.7± 0.2	104± 1	10.5± 0.2	5.3± 0.8
4000 ppm	10	20.9± 2.0**	0.5± 0.0	142± 1	3.8± 0.2	104± 1	10.6± 0.2	5.3± 0.6
5000 ppm	10	21.2± 2.0**	0.5± 0.1	142± 1	3.8± 0.2	104± 1	10.5± 0.1	5.5± 0.6

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE H 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dℓ	ALBUMIN g/dℓ	A/G RATIO	T-BILIRUBIN mg/dℓ	GLUCOSE mg/dℓ	T-CHOLESTEROL mg/dℓ	TRIGLYCERIDE mg/dℓ
Control	10	6.5± 0.3	3.5± 0.1	1.2± 0.1	0.11± 0.01	136± 7	72± 4	11± 2
625 ppm	10	6.3± 0.2	3.5± 0.1	1.2± 0.0	0.12± 0.01	133± 12	74± 6	10± 2
1250 ppm	10	6.3± 0.1	3.5± 0.1	1.2± 0.1	0.12± 0.00	141± 9	73± 7	13± 3
2500 ppm	10	6.2± 0.1*	3.4± 0.1**	1.2± 0.1	0.12± 0.01	146± 9	74± 6	15± 4
4000 ppm	10	6.1± 0.2**	3.3± 0.1**	1.2± 0.0	0.12± 0.01	150± 12**	71± 7	13± 4
5000 ppm	10	6.1± 0.1**	3.3± 0.1**	1.2± 0.1	0.12± 0.01	149± 7*	63± 8*	13± 4

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

Group Name	NO. of Animals	PHOSPHOLIPID mg/dℓ	AST IU/ℓ	ALT IU/ℓ	LDH IU/ℓ	ALP IU/ℓ	G-GTP IU/ℓ	CK IU/ℓ
Control	10	135± 11	73± 7	36± 7	114± 23	175± 15	1± 1	93± 13
625 ppm	10	134± 10	73± 8	38± 9	111± 28	170± 16	1± 0	89± 14
1250 ppm	10	134± 11	69± 6	34± 4	133± 43	173± 20	2± 0	98± 17
2500 ppm	10	134± 13	68± 8	34± 4	157± 64	178± 17	2± 1	99± 26
4000 ppm	10	126± 12	68± 5	36± 2	166± 61	168± 11	2± 1	103± 25
5000 ppm	10	114± 13**	70± 5	37± 2	159± 53	182± 13	2± 1	99± 18

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dℓ	CREATININE mg/dℓ	SODIUM mEq/ℓ	POTASSIUM mEq/ℓ	CHLORIDE mEq/ℓ	CALCIUM mg/dℓ	INORGANIC PHOSPHORUS mg/dℓ
Control	10	18.6± 1.7	0.5± 0.1	143± 1	3.6± 0.2	107± 1	10.1± 0.2	4.6± 1.2
625 ppm	10	18.5± 1.4	0.5± 0.1	142± 1	3.7± 0.3	106± 1	10.1± 0.2	4.9± 1.3
1250 ppm	10	20.2± 1.6	0.5± 0.0	142± 1	3.7± 0.2	106± 1	10.0± 0.1	4.8± 0.9
2500 ppm	10	22.3± 1.7**	0.5± 0.0	141± 1**	3.7± 0.3	105± 1*	10.0± 0.2	5.1± 1.0
4000 ppm	10	24.0± 2.2**	0.5± 0.1	142± 1*	3.8± 0.4	105± 1*	10.0± 0.3	5.3± 0.5
5000 ppm	10	24.7± 2.5**	0.5± 0.0	142± 1	3.9± 0.4	106± 1	9.8± 0.2*	5.4± 0.6

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of Dunnett

TABLE I 1

URINALYSIS : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	10	0	0	0	0	0	10	0		0	0	2	8	0	0		10	0	0	0	0	0		1	9	0	0	0	0		10	0	0	0	
625 ppm	10	0	0	0	0	0	8	2		0	0	2	8	0	0		10	0	0	0	0	0		0	10	0	0	0	0		10	0	0	0	
1250 ppm	10	0	0	0	0	2	8	0		0	0	1	9	0	0		10	0	0	0	0	0		0	10	0	0	0	0		10	0	0	0	
2500 ppm	10	0	0	0	0	2	7	1		0	0	0	10	0	0		10	0	0	0	0	0		1	9	0	0	0	0		10	0	0	0	
4000 ppm	10	0	0	0	0	2	8	0		0	0	1	9	0	0		10	0	0	0	0	0		0	9	1	0	0	0		10	0	0	0	
5000 ppm	10	0	0	0	0	1	8	1		0	0	1	9	0	0		10	0	0	0	0	0		0	10	0	0	0	0		10	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

STUDY NO. : 0692 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	Occult blood −	±	+	2+	3+	CHI	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0		10	0	0	0	0	
625 ppm	10	10	0	0	0	0		10	0	0	0	0	
1250 ppm	10	10	0	0	0	0		10	0	0	0	0	
2500 ppm	10	10	0	0	0	0		10	0	0	0	0	
4000 ppm	10	10	0	0	0	0		10	0	0	0	0	
5000 ppm	10	10	0	0	0	0		10	0	0	0	0	

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of CHI SQUARE

TABLE I 2

URINALYSIS : FEMALE

STUDY NO. : 0692 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	10	0	0	0	0	0	4	6		0	9	1	0	0	0		10	0	0	0	0	0		10	0	0	0	0	0		10	0	0	0	
625 ppm	10	0	0	0	0	0	2	8		0	7	3	0	0	0		10	0	0	0	0	0		9	1	0	0	0	0		10	0	0	0	
1250 ppm	10	0	0	0	1	1	3	5		0	3	6	1	0	0	*	10	0	0	0	0	0		8	2	0	0	0	0		10	0	0	0	
2500 ppm	10	0	0	0	0	3	0	7	*	0	1	8	1	0	0	**	10	0	0	0	0	0		7	3	0	0	0	0		10	0	0	0	
4000 ppm	10	0	0	0	1	4	1	4		0	0	9	1	0	0	**	10	0	0	0	0	0		1	1	8	0	0	0	**	10	0	0	0	
5000 ppm	10	0	0	0	3	1	0	6	*	0	0	7	3	0	0	**	10	0	0	0	0	0		2	2	6	0	0	0	**	10	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

STUDY NO. : 0692 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	Occult blood −	±	+	2+	3+	CHI	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0		10	0	0	0	0	
625 ppm	10	10	0	0	0	0		10	0	0	0	0	
1250 ppm	10	10	0	0	0	0		10	0	0	0	0	
2500 ppm	10	10	0	0	0	0		10	0	0	0	0	
4000 ppm	10	10	0	0	0	0		10	0	0	0	0	
5000 ppm	10	10	0	0	0	0		10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

TABLE J 1

GROSS FINDINGS : MALE :

ALL ANIMALS

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	625 ppm 10	(%)	1250 ppm 10	(%)	2500 ppm 10	(%)
liver	herniation		1	(10)	1	(10)	0	(0)	1	(10)

Organ	Findings	Group Name	4000 ppm		5000 ppm	
		NO. of Animals	10	(%)	10	(%)
liver	herniation		1	(10)	3	(30)

TABLE J 2

GROSS FINDINGS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name NO. of Animals	Control 10 (%)	625 ppm 10 (%)	1250 ppm 10 (%)	2500 ppm 10 (%)
liver	herniation		2 (20)	0 (0)	3 (30)	2 (20)

Organ	Findings	Group Name	4000 ppm		5000 ppm	
		NO. of Animals	10	(%)	10	(%)
liver	herniation		2	(20)	1	(10)

TABLE K 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	300± 19	0.213± 0.015	0.051± 0.003	3.182± 0.134	0.958± 0.069	0.953± 0.061
625 ppm	10	300± 16	0.217± 0.027	0.053± 0.004	3.109± 0.112	0.932± 0.042	0.967± 0.067
1250 ppm	10	296± 16	0.215± 0.031	0.050± 0.003	3.174± 0.088	0.923± 0.042	0.964± 0.069
2500 ppm	10	281± 25*	0.190± 0.020	0.050± 0.003	3.133± 0.097	0.884± 0.056**	0.906± 0.061
4000 ppm	10	271± 12**	0.182± 0.013**	0.053± 0.005	3.039± 0.255	0.851± 0.032**	0.908± 0.051
5000 ppm	10	252± 9**	0.180± 0.018**	0.049± 0.003	2.970± 0.208*	0.785± 0.051**	0.859± 0.040**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	10	1.857± 0.089	0.571± 0.039	7.292± 0.618	1.926± 0.048	0.025± 0.005
625 ppm	10	1.846± 0.075	0.562± 0.026	7.421± 0.516	1.933± 0.031	0.027± 0.006
1250 ppm	10	1.853± 0.087	0.558± 0.028	7.458± 0.404	1.928± 0.041	0.027± 0.005
2500 ppm	10	1.844± 0.133	0.543± 0.053	7.349± 0.802	1.904± 0.053	0.024± 0.004
4000 ppm	10	1.899± 0.075	0.563± 0.030	7.522± 0.369	1.915± 0.044	0.026± 0.004
5000 ppm	10	1.823± 0.101	0.541± 0.021	7.078± 0.485	1.870± 0.033*	0.025± 0.004

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	160± 10	0.175± 0.019	0.054± 0.003	0.087± 0.010	0.599± 0.047	0.686± 0.061
625 ppm	10	165± 6	0.173± 0.017	0.055± 0.003	0.089± 0.007	0.620± 0.046	0.705± 0.044
1250 ppm	10	159± 7	0.166± 0.017	0.054± 0.006	0.088± 0.009	0.603± 0.043	0.669± 0.047
2500 ppm	10	156± 9	0.176± 0.023	0.050± 0.006	0.082± 0.013	0.585± 0.035	0.655± 0.042
4000 ppm	10	150± 9*	0.160± 0.026	0.053± 0.003	0.084± 0.011	0.580± 0.041	0.647± 0.037
5000 ppm	10	143± 10**	0.152± 0.014	0.050± 0.004	0.079± 0.009	0.517± 0.028**	0.623± 0.029*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	10	1.108± 0.070	0.373± 0.036	3.707± 0.230	1.762± 0.055	0.021± 0.005
625 ppm	10	1.156± 0.033	0.395± 0.024	3.915± 0.167	1.802± 0.034	0.022± 0.005
1250 ppm	10	1.143± 0.053	0.378± 0.030	3.823± 0.244	1.769± 0.039	0.021± 0.004
2500 ppm	10	1.190± 0.073*	0.397± 0.035	3.864± 0.251	1.755± 0.043	0.021± 0.004
4000 ppm	10	1.251± 0.056**	0.384± 0.027	3.860± 0.178	1.744± 0.031	0.025± 0.004
5000 ppm	10	1.218± 0.062**	0.370± 0.016	3.791± 0.169	1.727± 0.040	0.024± 0.004

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE L 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	300± 19	0.071± 0.005	0.017± 0.001	1.061± 0.046	0.319± 0.011	0.318± 0.021
625 ppm	10	300± 16	0.072± 0.005	0.018± 0.001	1.039± 0.075	0.311± 0.015	0.322± 0.012
1250 ppm	10	296± 16	0.073± 0.010	0.017± 0.001	1.076± 0.062	0.312± 0.009	0.326± 0.011
2500 ppm	10	281± 25*	0.068± 0.005	0.018± 0.001	1.125± 0.106	0.316± 0.014	0.324± 0.022
4000 ppm	10	271± 12**	0.067± 0.003	0.020± 0.002**	1.121± 0.074	0.314± 0.008	0.336± 0.022
5000 ppm	10	252± 9**	0.071± 0.008	0.019± 0.001**	1.182± 0.087**	0.312± 0.013	0.342± 0.018*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	10	0.619± 0.016	0.190± 0.009	2.426± 0.081	0.643± 0.033	0.008± 0.002
625 ppm	10	0.616± 0.018	0.188± 0.010	2.471± 0.070	0.646± 0.028	0.009± 0.002
1250 ppm	10	0.627± 0.018	0.189± 0.010	2.524± 0.103	0.654± 0.044	0.009± 0.002
2500 ppm	10	0.658± 0.019**	0.194± 0.011	2.616± 0.088**	0.683± 0.052	0.009± 0.002
4000 ppm	10	0.702± 0.024**	0.208± 0.008**	2.777± 0.066**	0.709± 0.042**	0.009± 0.001
5000 ppm	10	0.725± 0.023**	0.215± 0.009**	2.813± 0.123**	0.744± 0.020**	0.010± 0.002

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE L 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	160± 10	0.109± 0.012	0.034± 0.002	0.055± 0.004	0.375± 0.019	0.429± 0.019
625 ppm	10	165± 6	0.105± 0.010	0.033± 0.002	0.054± 0.003	0.377± 0.028	0.428± 0.025
1250 ppm	10	159± 7	0.105± 0.012	0.034± 0.004	0.056± 0.005	0.379± 0.015	0.421± 0.021
2500 ppm	10	156± 9	0.112± 0.012	0.032± 0.003	0.053± 0.007	0.374± 0.014	0.419± 0.018
4000 ppm	10	150± 9*	0.107± 0.013	0.035± 0.002	0.056± 0.006	0.388± 0.029	0.432± 0.017
5000 ppm	10	143± 10**	0.107± 0.006	0.035± 0.003	0.055± 0.006	0.362± 0.015	0.436± 0.025

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0692
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	10	0.693± 0.018	0.233± 0.011	2.320± 0.072	1.105± 0.055	0.013± 0.003
625 ppm	10	0.703± 0.030	0.240± 0.012	2.378± 0.063	1.095± 0.034	0.013± 0.003
1250 ppm	10	0.720± 0.024*	0.238± 0.013	2.406± 0.097	1.115± 0.039	0.013± 0.003
2500 ppm	10	0.761± 0.023**	0.254± 0.014**	2.470± 0.058**	1.125± 0.048	0.013± 0.002
4000 ppm	10	0.837± 0.041**	0.256± 0.009**	2.581± 0.097**	1.168± 0.066	0.017± 0.003*
5000 ppm	10	0.854± 0.059**	0.260± 0.014**	2.655± 0.078**	1.213± 0.080**	0.017± 0.003*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE M 1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE :

ALL ANIMALS

Organ	Findings	Group Name	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung			<10>				<10>				<10>				<10>			
	ossification		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		10	0	0	0	9	1	0	0	9	1	0	0	8	2	0	0
			(100)	(0)	(0)	(0)	(90)	(10)	(0)	(0)	(90)	(10)	(0)	(0)	(80)	(20)	(0)	(0)
{Circulatory system}																		
heart			<10>				<10>				<10>				<10>			
	inflammatory cell nest		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	herniation		1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
lung			<10>				<10>			
	ossification		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of hemosiderin		5	5	0	0 *	2	8	0	0 **
			(50)	(50)	(0)	(0)	(20)	(80)	(0)	(0)
{Circulatory system}										
heart			<10>				<10>			
	inflammatory cell nest		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}										
liver			<10>				<10>			
	herniation		1	0	0	0	3	0	0	0
			(10)	(0)	(0)	(0)	(30)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control				625 ppm				1250 ppm				2500 ppm			
			10				10				10				10			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	inflammatory cell nest		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas			<10>				<10>				<10>				<10>			
	atrophy		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	eosinophilic body		10	0	0	0	8	0	0	0	10	0	0	0	10	0	0	0
			(100)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	regeneration:proximal tubule		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	deposit of brown pigment:proximal tubule		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<10>				<10>				<10>				<10>			
	Rathke pouch		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			<10>				<10>			
	inflammatory cell nest		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas			<10>				<10>			
	atrophy		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}										
kidney			<10>				<10>			
	eosinophilic body		10	0	0	0	5	5	0	0 *
			(100)	(0)	(0)	(0)	(50)	(50)	(0)	(0)
	regeneration:proximal tubule		2	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	deposit of brown pigment:proximal tubule		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Endocrine system}										
pituitary			<10>				<10>			
	Rathke pouch		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	10				10				10				10			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
testis			<10>				<10>				<10>				<10>			
	germ cell necrosis		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
epididymis			<10>				<10>				<10>				<10>			
	debris of spermatic elements		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prostate			<10>				<10>				<10>				<10>			
	inflammation		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Special sense organs/appendage}																		
Harder gl			<10>				<10>				<10>				<10>			
	lymphocytic infiltration		2	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0
			(20)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}										
testis			<10>				<10>			
	germ cell necrosis		0	1	0	0	0	0	0	0
			(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)
epididymis			<10>				<10>			
	debris of spermatic elements		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prostate			<10>				<10>			
	inflammation		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}										
Harder gl			<10>				<10>			
	lymphocytic infiltration		2	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

TABLE M 2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	mineralization		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lung			<10>				<10>				<10>				<10>			
	ossification		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Hematopoietic system}																		
bone marrow			<10>				<10>				<10>				<10>			
	granulation		1	2	0	0	2	3	0	0	0	0	0	0	0	1	0	0
			(10)	(20)	(0)	(0)	(20)	(30)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)
spleen			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		7	3	0	0	7	3	0	0	3	7	0	0	2	8	0	0
			(70)	(30)	(0)	(0)	(70)	(30)	(0)	(0)	(30)	(70)	(0)	(0)	(20)	(80)	(0)	(0)
{Circulatory system}																		
heart			<10>				<10>				<10>				<10>			
	inflammatory cell nest		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	mineralization		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lung			<10>				<10>			
	ossification		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}										
bone marrow			<10>				<10>			
	granulation		2	0	0	0	1	1	0	0
			(20)	(0)	(0)	(0)	(10)	(10)	(0)	(0)
spleen			<10>				<10>			
	deposit of hemosiderin		0	10	0	0 **	0	10	0	0 **
			(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)
{Circulatory system}										
heart			<10>				<10>			
	inflammatory cell nest		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	herniation		2	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
pancreas			<10>				<10>				<10>				<10>			
	atrophy		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	deposit of brown pigment:proximal tubule		0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<10>				<10>				<10>				<10>			
	Rathke pouch		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
thyroid			<10>				<10>				<10>				<10>			
	ultimibranchial body remanet		1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			<10>				<10>			
	herniation		2	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas			<10>				<10>			
	atrophy		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}										
kidney			<10>				<10>			
	deposit of brown pigment:proximal tubule		2	8	0	0 **	1	9	0	0 **
			(20)	(80)	(0)	(0)	(10)	(90)	(0)	(0)
{Endocrine system}										
pituitary			<10>				<10>			
	Rathke pouch		1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
thyroid			<10>				<10>			
	ultimibranchial body remanet		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Special sense organs/appendage}																		
Harder gl			<10>				<10>				<10>				<10>			
	lymphocytic infiltration		4	0	0	0	3	0	0	0	4	0	0	0	3	0	0	0
			(40)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(30)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	4000 ppm				5000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Special sense organs/appendage)										
Harder gl			<10>				<10>			
	lymphocytic infiltration		5	0	0	0	5	0	0	0
			(50)	(0)	(0)	(0)	(50)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square