

2-ブロモプロパンのラットを用いた
吸入によるがん原性試験報告書

試験番号：0877

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TABLE A

CONCENTRATIONS OF 2-BROMOPROPANE
IN THE INHALATION CHAMBER
OF RATS IN THE 2-YEAR
CARCINOGENICITY STUDY

CONCENTRATIONS OF 2-BROMOPROPANE IN THE INHALATION CHAMBER
RATS IN THE 2-YEAR CARCINOGENICITY STUDY

Group Name	Concentration(ppm) Mean $\pm$ S.D.
Control	0.0 $\pm$ 0.0
67 ppm	67.2 $\pm$ 0.3
200 ppm	200.2 $\pm$ 0.6
600 ppm	600.9 $\pm$ 1.5

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
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	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
600ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
600ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
600ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50
		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	98.0
Number of survival/ Number of effective animals															
Survival rate(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0
600ppm	50	49/50	49/50	47/50	47/50	45/50	43/50	42/50	41/50	39/50	39/50	37/50	36/50	33/50	33/50
		98.0	98.0	94.0	94.0	90.0	86.0	84.0	82.0	78.0	78.0	74.0	72.0	66.0	66.0

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50
		100.0	100.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0
67ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	46/50	46/50	45/50	45/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	92.0	92.0	90.0	90.0
200ppm	50	47/50	47/50	47/50	47/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50
		94.0	94.0	94.0	94.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
600ppm	50	13/50	13/50	12/50	11/50	9/50	9/50	8/50	7/50	6/50	5/50	5/50	3/50	2/50	2/50
		26.0	26.0	24.0	22.0	18.0	18.0	16.0	14.0	12.0	10.0	10.0	6.0	4.0	4.0
Number of survival/ Number of effective animals Survival rate(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	46/50	46/50	46/50	45/50	45/50	44/50	43/50	43/50	43/50	43/50	42/50	40/50	39/50	38/50
		92.0	92.0	92.0	90.0	90.0	88.0	86.0	86.0	86.0	86.0	84.0	80.0	78.0	76.0
67ppm	50	45/50	45/50	43/50	43/50	43/50	43/50	43/50	42/50	42/50	42/50	42/50	42/50	42/50	38/50
		90.0	90.0	86.0	86.0	86.0	86.0	86.0	84.0	84.0	84.0	84.0	84.0	84.0	76.0
200ppm	50	46/50	45/50	45/50	44/50	43/50	41/50	40/50	39/50	38/50	37/50	36/50	36/50	35/50	34/50
		92.0	90.0	90.0	88.0	86.0	82.0	80.0	78.0	76.0	74.0	72.0	72.0	70.0	68.0
600ppm	50	2/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50
		4.0	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
Number of survival/ Number of effective animals Survival rate(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)						
		98	99	100	101	102	103	104
Control	50	38/50	38/50	38/50	38/50	38/50	38/50	38/50
		76.0	76.0	76.0	76.0	76.0	76.0	76.0
67ppm	50	38/50	38/50	37/50	36/50	36/50	35/50	31/50
		76.0	76.0	74.0	72.0	72.0	70.0	62.0
200ppm	50	34/50	31/50	31/50	25/50	24/50	21/50	19/50
		68.0	62.0	62.0	50.0	48.0	42.0	38.0
600ppm	50	0/50	0/50	0/50	0/50	0/50	0/50	0/50
		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number of survival/ Number of effective animals Survival rate(%)								

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

Group Name	Animals At start	Administration (Weeks)													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
600ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	46/50	46/50	46/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	92.0	92.0	92.0

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600ppm	50	45/50	44/50	40/50	39/50	37/50	35/50	33/50	31/50	28/50	25/50	25/50	24/50	20/50	16/50
		90.0	88.0	80.0	78.0	74.0	70.0	66.0	62.0	56.0	50.0	50.0	48.0	40.0	32.0
Number of survival/ Number of effective animals Survival rate(%)															

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
67ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
200ppm	50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50
		98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0
600ppm	50	12/50	11/50	11/50	11/50	10/50	9/50	8/50	7/50	6/50	6/50	5/50	5/50	3/50	3/50
		24.0	22.0	22.0	22.0	20.0	18.0	16.0	14.0	12.0	12.0	10.0	10.0	6.0	6.0

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks)													
		70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	48/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	96.0
67ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50
		98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0
200ppm	50	47/50	47/50	46/50	46/50	46/50	45/50	45/50	45/50	45/50	43/50	43/50	43/50	43/50	43/50
		94.0	94.0	92.0	92.0	92.0	90.0	90.0	90.0	90.0	86.0	86.0	86.0	86.0	86.0
600ppm	50	3/50	3/50	3/50	3/50	2/50	2/50	2/50	2/50	2/50	2/50	2/50	2/50	2/50	2/50
		6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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

SURVIVAL ANIMAL NUMBERS

REPORT TYPE : A1 104

SEX : FEMALE

PAGE : 15

Group	Name	Animals At start	Administration (Weeks)													
			84	85	86	87	88	89	90	91	92	93	94	95	96	97
	Control	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	46/50
			96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	94.0	94.0	92.0
	67ppm	50	47/50	47/50	46/50	44/50	44/50	44/50	43/50	43/50	43/50	42/50	42/50	41/50	41/50	37/50
			94.0	94.0	92.0	88.0	88.0	88.0	86.0	86.0	86.0	84.0	84.0	82.0	82.0	74.0
	200ppm	50	43/50	43/50	41/50	40/50	40/50	39/50	39/50	37/50	37/50	36/50	35/50	34/50	34/50	33/50
86.0			86.0	82.0	80.0	80.0	78.0	78.0	74.0	74.0	72.0	70.0	68.0	68.0	66.0	
600ppm	50	2/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	0/50	
		4.0	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	
Number of survival/ Number of effective animals			Survival rate(%)													

(HAN360)

BAIS6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 16

Group Name	Animals At start	Administration (Weeks)						
		98	99	100	101	102	103	104
Control	50	46/50	45/50	45/50	45/50	44/50	43/50	43/50
		92.0	90.0	90.0	90.0	88.0	86.0	86.0
67ppm	50	37/50	36/50	36/50	36/50	36/50	36/50	36/50
		74.0	72.0	72.0	72.0	72.0	72.0	72.0
200ppm	50	33/50	31/50	31/50	28/50	26/50	26/50	25/50
		66.0	62.0	62.0	56.0	52.0	52.0	50.0
600ppm	50	0/50	0/50	0/50	0/50	0/50	0/50	0/50
		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number of survival/ Number of effective animals		Survival rate(%)						

(HAN360)

BAIS6

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 1

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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 3

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 4

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	1	3	3	5	7	8	9	11	11	13	14	17	17	21
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	0	1	0	0	0	1	0	1	0	1	0	1
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 5

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	200ppm	1	1	2	2	2	3	3	3	3	3	3	3	3	3
	600ppm	24	24	26	28	28	29	30	30	31	33	33	34	35	36
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	2	1	0	0	0	1	1	0	1	2	0	1	0	1
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	1	1	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	3	2	2	2	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 6

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	1	2	2	2	2	2
	200ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	2	2	2	2	2	2	2	2	2	2	3	3	3
MORIBUND SACRIFICE	Control	0	1	1	1	1	1	1	1	1	1	1	2	2	3
	67ppm	1	1	1	1	1	1	1	1	1	2	2	3	3	3
	200ppm	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	600ppm	36	36	37	39	39	40	41	42	43	43	45	45	45	45
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	1	1	0	0	0	1	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	67ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	67ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	1	1	2	2	3	3	3	3	3	3	3	3	4	4
	67ppm	2	2	2	2	2	2	3	3	3	3	3	3	3	3
	200ppm	1	1	1	1	3	3	3	3	4	4	4	4	4	4
	600ppm	3	-	-	-	-	-	-	-	-	-	-	-	-	-
MORIBUND SACRIFICE	Control	3	3	3	3	3	4	4	4	4	5	7	8	8	8
	67ppm	3	5	5	5	5	5	5	5	5	5	5	5	9	9
	200ppm	4	4	5	6	6	7	8	9	9	10	10	11	12	12
	600ppm	47	-	-	-	-	-	-	-	-	-	-	-	-	-
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	200ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
PROLAPSE OF ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
DEATH	Control	4	4	4	4	4	4
	67ppm	3	3	3	3	3	3
	200ppm	4	4	4	4	4	4
	600ppm	-	-	-	-	-	-
MORIBUND SACRIFICE	Control	8	8	8	8	8	8
	67ppm	9	10	11	11	12	16
	200ppm	15	15	21	22	25	27
	600ppm	-	-	-	-	-	-
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	67ppm	0	0	1	0	0	1
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
PRONE	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	1
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
PARALYTIC GAIT	Control	0	0	0	0	0	0
	67ppm	0	0	1	0	0	0
	200ppm	0	1	0	0	0	0
	600ppm	-	-	-	-	-	-
WASTING	Control	0	0	0	0	0	2
	67ppm	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
SOILED	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	2	2	0	1	0	0
	600ppm	-	-	-	-	-	-
ROUGH FUR	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	1
	200ppm	0	0	0	0	0	2
	600ppm	-	-	-	-	-	-
PROLAPSE OF ANUS	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	1	2	2	3	6	7
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	0	0	0	2	1	0	0	0	0	1	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	0	0	0	0	0	0	1	1	1	1	1	2	2	2
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	1	0	0	0	0	0	0	1	1	1	2
EXTERNAL MASS	Control	1	0	0	0	1	1	1	1	1	2	2	2	2	2
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	200ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	600ppm	7	7	8	10	8	10	10	10	9	10	14	11	11	12
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	1
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	1	1	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	2	2	2	2	2	2	2	2	2	1	1	1	1	2
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	2	2	2	2	2	2	3	3	3	3	3	3	3	3
	67ppm	2	3	4	5	4	4	4	4	4	4	5	5	5	5
	200ppm	3	3	3	3	3	3	3	2	4	5	5	5	5	6
	600ppm	11	11	12	11	11	12	11	11	17	14	12	13	11	11
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	2	2	2	2	3	3	3	3	3	2	2	2	2	2
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	1	1	1	0	1	1	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	1	1	1	0	0	1	1	1	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	2	2	2	2	1	1	1	1	1	1	1	1	1	1
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	1	2	1	1	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	4	4	5	5	5	5	5	5	5	5	7	7	7	7
	67ppm	5	6	6	6	6	8	9	12	12	11	10	10	10	10
	200ppm	6	6	6	7	8	9	10	10	11	12	12	17	17	16
	600ppm	10	10	10	9	8	8	7	7	5	5	3	2	2	2
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	1	1	2	2	2
	600ppm	2	2	2	1	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	1	1	1	2	2	2	2	2	2	2	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
EXTERNAL MASS	Control	7	7	7	7	7	6	6	6	6	7	5	5	5	7
	67ppm	10	10	9	9	9	9	9	9	9	9	9	9	9	7
	200ppm	15	18	18	17	17	17	16	16	17	17	17	18	16	16
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	200ppm	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	1	0	0
	600ppm	-	-	-	-	-	-
LACRIMATION	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0
	600ppm	-	-	-	-	-	-
CATARACT	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1
	600ppm	-	-	-	-	-	-
MALOCCLUSION	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	2	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
EXTERNAL MASS	Control	7	7	7	7	8	11
	67ppm	8	8	9	9	8	8
	200ppm	17	14	12	11	12	10
	600ppm	-	-	-	-	-	-
INTERNAL MASS	Control	0	0	0	0	2	3
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
M.NOSE	Control	0	0	0	0	0	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
M.PERI-MOUTH	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	2	2	2	2	2	2
	600ppm	-	-	-	-	-	-
M.MANDIBULAR	Control	0	0	0	0	0	0
	67ppm	1	1	1	1	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	1	1	2	5	6
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
M.POSTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	6	5	5	7	5	5	4	4	4	4	5	4	4	5
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	1	0	0	0	1	1	1	1	1	1	1	1	1	1
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	3	4	4	4	4	4	4	3	4	5	4	4	4
M.POSTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	600ppm	0	0	0	0	0	1	1	1	0	1	2	2	3	3
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	1	1	1	1	1	1	2	2	2	1	1	1

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	2	2	2	2	4	4	4	4	4	2	0	2	4	4
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	2
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	1	2	2	2	1	1	1	1	1	1	2	2	2	2
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	600ppm	2	2	2	1	1	1	1	2	4	3	3	3	2	2
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	2	2	2	2	2
	600ppm	4	4	4	3	2	4	4	4	6	4	3	6	5	7
M.POSTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	2	2	2	2	2	2	2	1	3	2	2	2	2	2
	600ppm	3	3	3	3	3	3	3	3	9	6	5	7	6	5
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	1	1	0	0	1	1	1	1	1	1

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	200ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	600ppm	3	3	3	4	3	2	1	1	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	1	1	1	1	1	1	1	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	600ppm	2	2	2	1	1	1	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	1	1	2	2	2	2	2	2	3	3	3	3	3	3
	67ppm	2	2	2	2	2	2	3	3	3	2	2	2	3	3
	200ppm	1	1	1	1	2	2	2	2	4	4	4	4	4	4
	600ppm	2	2	2	2	2	2	2	2	3	3	2	1	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	2	2	2	1	1	1	1
	200ppm	2	2	2	2	2	3	4	4	4	4	4	6	6	6
	600ppm	7	6	7	6	5	4	5	6	4	4	3	2	2	2
M.POSTERIOR.DORSUM	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	67ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	200ppm	2	2	2	2	2	2	3	3	3	3	3	5	5	4
	600ppm	6	6	5	4	4	4	3	3	3	4	2	1	1	1
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	2	2	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	2	2	2	1	1	1	1	1	1	1	1	2	2	3
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.BREAST	Control	1	1	1	1	1	1	1	1	1	1	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	200ppm	1	2	2	2	2	2	1	1	2	2	2	2	3	3
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.ABDOMEN	Control	3	3	3	3	3	2	2	2	2	2	2	2	2	2
	67ppm	3	4	3	3	3	3	3	3	3	3	3	3	3	3
	200ppm	4	4	4	4	4	4	4	4	5	5	5	5	4	4
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	2	2	2	2	2
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	0
	200ppm	6	6	6	6	6	6	6	6	5	5	6	6	6	6
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
M.POSTERIOR.DORSUM	Control	2	2	2	2	2	2	2	2	2	2	1	1	1	1
	67ppm	1	0	1	1	1	1	1	1	1	1	1	1	0	0
	200ppm	3	5	5	5	5	6	6	6	5	5	5	6	5	5
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
M.GENITALIA	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
M.EAR	Control	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1
	200ppm	1	1	0	0	0	0
	600ppm	-	-	-	-	-	-
M.PERI EAR	Control	0	0	0	0	0	0
	67ppm	1	1	1	1	2	0
	200ppm	3	3	3	3	3	2
	600ppm	-	-	-	-	-	-
M.NECK	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
M.BREAST	Control	0	0	0	0	1	1
	67ppm	1	1	1	1	2	1
	200ppm	3	2	1	1	2	3
	600ppm	-	-	-	-	-	-
M.ABDOMEN	Control	2	2	2	2	2	2
	67ppm	3	3	4	4	4	6
	200ppm	4	4	3	3	3	3
	600ppm	-	-	-	-	-	-
M.ANTERIOR.DORSUM	Control	2	2	2	2	2	4
	67ppm	0	0	1	1	1	1
	200ppm	6	4	3	2	2	2
	600ppm	-	-	-	-	-	-
M.POSTERIOR.DORSUM	Control	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	5	4	3	3	3	3
	600ppm	-	-	-	-	-	-
M.HINDLIMB	Control	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	1	1	1	2
	600ppm	-	-	-	-	-	-
M.GENITALIA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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Clinical sign	Group Name	Administration Week-day			46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7	
		43-7	44-7	45-7												
		1	1	1												
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	2	3	1	2	2	1	1	0	0	0	1	2	
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	1	0	2	0	1	0	1	0	1	1	1	0	1	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	600ppm	3	2	2	0	1	1	1	0	2	3	2	2	3	4
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	1	1	1	0	0	4	3	0	0	2
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	1	0	0	0	0	1	2	0	0	1	2

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	600ppm	2	2	4	6	6	7	4	5	4	5	3	2	2	2
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	2	3	3	2	2	2	1	1	1	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	67ppm	0	0	0	0	1	0	0	1	1	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
	600ppm	1	1	2	1	1	1	1	3	2	3	3	2	2	2

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	1	1	1	1	1	1	1	1	1	1	1	1	3
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
ANEMIA	Control	0	0	0	0	0	0	0	0	3	2	0	0	0	0
	67ppm	1	2	0	0	0	0	0	0	0	0	0	0	1	1
	200ppm	2	2	1	1	1	0	0	0	0	2	2	1	1	0
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	2	0	0	0	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	200ppm	0	0	0	1	1	0	1	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
IRREGULAR BREATHING	Control	0	0	0	0	1	0	0	0	1	1	2	1	0	0
	67ppm	0	0	0	0	0	0	1	1	1	1	2	2	3	1
	200ppm	1	0	1	1	2	2	1	0	0	1	1	1	1	0
	600ppm	1	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
M.SCROTUM	Control	3	3	3	3	2	2
	67ppm	1	1	1	1	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
ANEMIA	Control	0	0	1	2	2	4
	67ppm	1	1	0	0	1	1
	200ppm	4	2	0	1	2	3
	600ppm	-	-	-	-	-	-
JAUNDICE	Control	0	0	0	0	0	0
	67ppm	0	0	1	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
ULCER	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
CRUSTA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
HEMORRHAGE	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
TORTICOLLIS	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	1	1	1	0	0	0
	600ppm	-	-	-	-	-	-
PROLAPSE OF PENIS	Control	1	0	0	0	0	0
	67ppm	1	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
IRREGULAR BREATHING	Control	0	0	1	3	2	2
	67ppm	2	3	3	2	1	0
	200ppm	3	5	1	0	2	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	67ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	200ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	600ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	67ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	200ppm	50	50	50	50	50	50	49	49	49	49	50	50	50	50
	600ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
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CLINICAL OBSERVATION (SUMMARY)
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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	49	49	49	49
	67ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	49
	200ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	600ppm	50	50	50	50	50	50	50	50	49	48	48	47	43	42

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	50	50	50	49	49	49	49	49	48	48	48	48	48
	67ppm	49	49	49	49	49	49	49	49	49	49	49	49	48	48
	200ppm	49	49	48	48	47	47	47	47	46	46	46	46	46	46
	600ppm	42	40	39	35	35	30	29	29	28	26	20	21	20	17

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	2	1	1	1	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	0	0	0	0	1	1	0	0	0	1	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	48	48	48	48	48	48	47	47	47	47	47	47	47	47
	67ppm	48	47	46	45	46	45	45	45	45	45	44	44	44	44
	200ppm	45	45	44	44	44	43	43	44	43	42	42	42	42	41
	600ppm	13	12	11	10	10	9	9	8	3	3	3	3	3	2

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	45	45	44	44	44	44	43	43	43	43	40	40	40	39
	67ppm	44	43	43	43	43	41	39	35	35	35	36	36	35	35
	200ppm	41	41	41	39	38	37	36	36	35	34	34	29	28	29
	600ppm	2	1	1	1	1	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-
NON REMARKABLE	Control	39	39	38	38	37	37	37	37	35	34	33	33	33	30
	67ppm	35	35	34	34	34	34	33	33	33	33	32	32	31	28
	200ppm	29	26	26	26	24	22	22	22	20	18	17	16	17	16
	600ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 40

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0
	600ppm	-	-	-	-	-	-
TACHYPNEA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
BRADYPNEA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
DEEP BREATHING	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0
	600ppm	-	-	-	-	-	-
LOOSE STOOL	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
SALIVATION	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
NON REMARKABLE	Control	30	30	29	28	28	22
	67ppm	26	26	25	25	25	21
	200ppm	15	14	13	12	10	9
	600ppm	-	-	-	-	-	-

TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	1	1	1	3	3	3	4
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	1	1	1	1	1	1	2	4	4	4	5	5	5
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	5	9	10	12	14	16	18	20	21	21	22	25	29	33
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	3	0	0	1	0	1	1	0	0	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	5	2	2	2	0	1	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	600ppm	5	5	5	5	5	5	5	5	5	5	5	5	5	5
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	200ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	600ppm	34	34	34	35	36	37	38	39	39	40	40	42	42	42
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	1	1	0	0	0	1	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	200ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	600ppm	5	5	5	5	5	5	5	5	5	5	5	5	5	5
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	1	1	1	1	1	1	1	1	1	2	2	2	2	2
	200ppm	1	2	2	2	3	3	3	3	5	5	5	5	5	5
	600ppm	42	42	42	43	43	43	43	43	43	43	43	43	43	43
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEAKNESS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	1	1	3	3	3	4	4	4	4	4	5	5	6	6
	200ppm	2	2	2	2	3	3	3	3	4	4	4	4	4	4
	600ppm	6	-	-	-	-	-	-	-	-	-	-	-	-	-
MORIBUND SACRIFICE	Control	1	1	1	1	1	1	2	2	2	2	2	2	3	3
	67ppm	2	3	3	3	3	3	3	3	4	4	4	4	7	7
	200ppm	5	7	8	8	8	8	10	10	10	11	12	12	13	13
	600ppm	44	-	-	-	-	-	-	-	-	-	-	-	-	-
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	0	0	0	0	0	0	1	0	0	0	1	0
	200ppm	0	1	1	0	0	0	1	0	0	0	1	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEAKNESS	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
DEATH	Control	2	2	2	2	2	2
	67ppm	6	6	6	6	6	6
	200ppm	4	4	4	4	4	4
	600ppm	-	-	-	-	-	-
MORIBUND SACRIFICE	Control	3	3	3	4	5	5
	67ppm	8	8	8	8	8	8
	200ppm	15	15	18	20	20	21
	600ppm	-	-	-	-	-	-
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	1	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	1	0	0	2
	600ppm	-	-	-	-	-	-
PARALYTIC GAIT	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
WEAKNESS	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
WASTING	Control	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
SOILED	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
ROUGH FUR	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
TRAUMA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	2
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	1	1	1	2	2
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	67ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	2	2	2	3	3	3	3	3	3	3	2	2	2	3
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	2	4	4	7	7	9	9	11	11	16	13	14	17	19
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	600ppm	0	1	0	0	0	0	0	0	0	0	3	2	3	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	2	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	3	0	0	0	0	1	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	3	3	3	3	3	2	2	2	2	2	2	2	2	1
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	18	21	17	18	19	19	18	16	15	18	18	15	16	9
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	67ppm	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	67ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	200ppm	0	0	0	0	1	1	1	1	3	3	3	3	3	5
	600ppm	8	8	8	7	7	6	4	3	3	4	3	2	2	2
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	1	1	2	1	0	0	1	0	0	1	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	67ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	2	2	2	3	3	3	5	5	6	6	7	7	7	7
	67ppm	1	1	2	2	2	2	2	2	2	2	2	1	1	1
	200ppm	5	5	6	6	6	6	6	6	7	6	6	8	8	8
	600ppm	2	2	2	1	1	2	2	2	2	2	2	2	2	2
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	200ppm	0	0	0	0	1	0	1	1	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
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SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	1	0	0	0	1	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	1	1	1	1	1	1	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LACRIMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	67ppm	2	2	1	1	1	1	1	1	1	1	2	2	2	2
	200ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MALOCCLUSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXTERNAL MASS	Control	7	7	7	7	7	7	7	6	7	7	8	8	7	7
	67ppm	1	1	0	1	1	1	1	1	1	4	4	4	4	4
	200ppm	9	10	9	9	10	11	12	13	13	14	15	15	16	16
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	1
	67ppm	1	2	1	1	1	1	1	1	1	1	3	3	1	0
	200ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	1	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
EXOPHTHALMOS	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
LACRIMATION	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
EYE HEMORRHAGIC DISCHA	Control	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
CATARACT	Control	3	3	3	3	3	2
	67ppm	2	2	2	2	2	2
	200ppm	1	1	1	1	1	1
	600ppm	-	-	-	-	-	-
MALOCCLUSION	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
EXTERNAL MASS	Control	6	6	6	6	6	8
	67ppm	4	4	6	6	6	7
	200ppm	14	14	13	11	13	13
	600ppm	-	-	-	-	-	-
INTERNAL MASS	Control	0	0	0	0	0	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	1	0	0	1
	600ppm	-	-	-	-	-	-
M.NOSE	Control	0	0	0	0	0	2
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day														
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	2	2	4	4	6	6	7	7	11	10	11	14	13	
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	1	1	1	2	2	2	2	3	3	3	1	1	2	5	
M.ANTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1	
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1	
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	1	1	2	3	2	2	3	1	1	3	2	
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	1	2	2	2	2	2	2	3	1
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	13	15	12	13	14	12	13	11	11	11	11	8	7	2
M.ABDOMEN	Control	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	5	5	3	3	3	2	1	1	2	2	2	1	2	2
M.ANTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	2	4	3	3	2	4	5	5	4	1
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	2	2	2	3	2	2	2	0	2	3	4	4	3
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	600ppm	2	4	3	2	2	2	2	4	3	5	4	1	4	1
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	1	1	1	1	1	1	1	1	1	1	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	600ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	3
	600ppm	5	6	6	5	5	4	3	2	2	3	2	1	1	1
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	1	1	1	1	2	2	2	2	1	1
	600ppm	2	2	2	1	1	1	0	0	0	0	0	0	0	0
M.ANTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	3	3	3	3	3	3	2	1	1	1	0	1	1	1
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	200ppm	0	0	0	1	0	0	0	0	0	0	0	0	1	1
	600ppm	0	0	0	0	1	0	0	0	0	1	1	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	1	1	2	2	2	2	2	2
	67ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	200ppm	3	3	4	4	4	4	4	4	5	4	4	6	6	6
	600ppm	1	1	1	0	0	0	0	0	0	0	0	1	1	1
M.ABDOMEN	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	67ppm	0	0	1	1	1	1	1	1	1	1	1	0	0	0
	200ppm	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR DORSUM	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	0	0	1	1	1	1	1	1	2	2	2
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	67ppm	0	0	0	1	1	1	1	1	1	0	0	1	1	2
	200ppm	0	2	1	1	0	1	1	1	2	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.NECK	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.BREAST	Control	2	3	3	3	3	3	3	2	2	2	2	2	3	3
	67ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	200ppm	6	7	7	6	6	6	6	6	5	6	7	7	7	7
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	1	1	1	1	2	2	2	3	3
	200ppm	3	3	2	2	3	4	4	4	4	3	3	3	3	3
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.ANTERIOR DORSUM	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M.GENITALIA	Control	1	1	1	1	1	1	1	1	2	2	3	3	2	2
	67ppm	0	0	0	0	0	0	0	0	0	2	2	2	2	2
	200ppm	0	0	0	1	1	1	2	4	5	6	6	6	7	7
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	2	3	2
	67ppm	2	0	0	0	1	1	2	2	2	3	3	3	1	1
	200ppm	1	0	1	1	2	1	3	1	1	1	1	1	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	0	0	0	0	0	0	1	0	0	0	1	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	1	1	1
	600ppm	-	-	-	-	-	-
M.NECK	Control	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	1	1	1	1	1	1
	600ppm	-	-	-	-	-	-
M.BREAST	Control	3	3	3	3	3	3
	67ppm	2	2	2	2	2	2
	200ppm	6	6	6	5	6	6
	600ppm	-	-	-	-	-	-
M.ABDOMEN	Control	1	1	1	1	1	1
	67ppm	3	3	5	5	5	6
	200ppm	3	3	3	3	3	3
	600ppm	-	-	-	-	-	-
M.ANTERIOR DORSUM	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0
	600ppm	-	-	-	-	-	-
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
M.GENITALIA	Control	1	1	1	1	1	1
	67ppm	1	1	1	1	1	1
	200ppm	6	6	5	4	4	4
	600ppm	-	-	-	-	-	-
ANEMIA	Control	1	1	0	0	4	4
	67ppm	0	0	0	0	0	0
	200ppm	0	1	2	0	2	2
	600ppm	-	-	-	-	-	-
JAUNDICE	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	1	0	0	1	0	1	2	2
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	1	3	0	2	3	0	1	0	0	0	3	2	4	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	1	1	0	0	0	1	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 70

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	1	1	1	1	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	67ppm	0	0	0	0	0	0	0	1	1	0	0	1	1	1
	200ppm	0	1	0	1	1	1	1	1	0	0	0	1	1	1
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRREGULAR BREATHING	Control	0	0	0	0	0	2	2	2	2	2	2	2	0	2
	67ppm	2	0	0	0	0	0	0	0	2	1	2	2	1	0
	200ppm	2	0	1	0	0	1	1	0	0	1	1	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
ULCER	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	1	0	0	0	0	0
	600ppm	-	-	-	-	-	-
HEMORRHAGE	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
TORTICOLLIS	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
VAGINAL PROLAPSE	Control	1	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
IRREGULAR BREATHING	Control	1	2	2	2	2	1
	67ppm	0	0	0	0	0	0
	200ppm	0	1	1	0	0	0
	600ppm	-	-	-	-	-	-
TACHYPNEA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	1
	600ppm	-	-	-	-	-	-
BRADYPNEA	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
DEEP BREATHING	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE PAGE : 73

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	14-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	49	49
	67ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	200ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	600ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	48	48	48	48	48	48	48	48	48	47	48
	67ppm	50	50	50	50	50	50	49	49	49	49	49	49	49	49
	200ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	600ppm	50	50	50	50	50	49	49	49	49	48	48	47	46	47

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	48	48	48	48	48	48	48	47	47	47	47	47	47	46
	67ppm	49	49	49	49	48	48	48	48	48	48	48	48	48	48
	200ppm	50	50	50	50	50	50	50	49	48	48	48	48	48	48
	600ppm	47	46	46	41	41	39	39	36	36	31	31	30	27	23

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	1	0	1	0
NON REMARKABLE	Control	46	46	46	47	47	47	47	47	47	47	47	47	47	47
	67ppm	48	48	48	48	48	48	48	48	48	48	48	48	48	48
	200ppm	48	48	48	48	48	48	48	48	47	46	47	47	46	46
	600ppm	23	19	18	17	16	13	13	13	9	6	6	5	3	3

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	47	47	47	47	47	47	47	47	47	47	47	47	45	45
	67ppm	48	48	48	48	48	48	48	48	48	47	47	46	46	46
	200ppm	46	46	46	46	46	46	46	46	44	44	44	44	43	41
	600ppm	2	2	2	2	2	2	2	2	2	2	2	1	1	1

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE PAGE : 78

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	67ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200ppm	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	600ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	45	45	45	44	44	44	42	41	40	40	38	38	38	38
	67ppm	46	46	45	45	45	44	44	44	44	44	43	44	44	43
	200ppm	41	40	38	37	36	36	37	37	36	36	36	34	34	34
	600ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	67ppm	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	200ppm	0	0	1	0	0	0	1	0	0	0	0	0	0	0
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NON REMARKABLE	Control	38	38	38	38	38	37	37	36	35	35	34	33	33	33
	67ppm	43	43	42	41	41	40	39	39	39	34	32	32	31	31
	200ppm	32	31	31	30	27	26	25	23	22	19	18	17	16	16
	600ppm	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	67ppm	0	0	0	0	0	0
	200ppm	0	0	1	0	0	1
	600ppm	-	-	-	-	-	-
NON REMARKABLE	Control	34	33	34	34	31	29
	67ppm	30	30	28	28	28	28
	200ppm	16	15	14	14	11	11
	600ppm	-	-	-	-	-	-

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL
NUMBERS : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		67ppm			200ppm			600ppm		
	Av.Wt.	No.of Surviv. <50>	Av.Wt.	% of cont. <50>	No.of Surviv.	Av.Wt.	% of cont. <50>	No.of Surviv.	Av.Wt.	% of cont. <50>	No.of Surviv.
0-0	122 (50)	50/50	122 (50)	100	50/50	122 (50)	100	50/50	122 (50)	100	50/50
1-7	153 (50)	50/50	151 (50)	99	50/50	155 (50)	101	50/50	152 (50)	99	50/50
2-7	183 (50)	50/50	183 (50)	100	50/50	185 (50)	101	50/50	182 (50)	99	50/50
3-7	208 (50)	50/50	206 (50)	99	50/50	209 (50)	100	50/50	205 (50)	99	50/50
4-7	228 (50)	50/50	227 (50)	100	50/50	229 (50)	100	50/50	222 (50)	97	50/50
5-7	245 (50)	50/50	244 (50)	100	50/50	246 (50)	100	50/50	237 (50)	97	50/50
6-7	259 (50)	50/50	258 (50)	100	50/50	259 (50)	100	50/50	247 (50)	95	50/50
7-7	272 (50)	50/50	272 (50)	100	50/50	271 (50)	100	50/50	257 (50)	94	50/50
8-7	285 (50)	50/50	283 (50)	99	50/50	284 (50)	100	50/50	267 (50)	94	50/50
9-7	294 (50)	50/50	292 (50)	99	50/50	293 (50)	100	50/50	277 (50)	94	50/50
10-7	301 (50)	50/50	299 (50)	99	50/50	301 (50)	100	50/50	282 (50)	94	50/50
11-7	309 (50)	50/50	307 (50)	99	50/50	308 (50)	100	50/50	288 (50)	93	50/50
12-7	315 (50)	50/50	313 (50)	99	50/50	314 (50)	100	50/50	292 (50)	93	50/50
13-7	321 (50)	50/50	320 (50)	100	50/50	319 (50)	99	50/50	297 (50)	93	50/50
14-7	325 (50)	50/50	323 (50)	99	50/50	324 (50)	100	50/50	301 (50)	93	50/50
18-7	340 (50)	50/50	338 (50)	99	50/50	336 (50)	99	50/50	311 (50)	91	50/50
22-7	356 (50)	50/50	354 (50)	99	50/50	350 (50)	98	50/50	324 (50)	91	50/50
26-7	368 (50)	50/50	367 (50)	100	50/50	362 (50)	98	50/50	333 (50)	90	50/50
30-7	378 (50)	50/50	374 (50)	99	50/50	369 (50)	98	50/50	339 (50)	90	50/50
34-7	388 (50)	50/50	384 (50)	99	50/50	380 (50)	98	50/50	345 (50)	89	50/50
38-7	395 (50)	50/50	392 (50)	99	50/50	387 (50)	98	50/50	350 (50)	89	50/50
42-7	401 (50)	50/50	397 (50)	99	50/50	392 (50)	98	50/50	352 (49)	88	49/50
46-7	406 (50)	50/50	402 (50)	99	50/50	398 (50)	98	50/50	351 (45)	86	45/50
50-7	413 (50)	50/50	409 (50)	99	50/50	402 (50)	97	50/50	356 (39)	86	39/50
54-7	418 (50)	50/50	415 (50)	99	50/50	410 (49)	98	49/50	352 (33)	84	33/50
58-7	421 (50)	50/50	417 (50)	99	50/50	409 (49)	97	49/50	352 (26)	84	26/50
62-7	423 (50)	50/50	421 (49)	100	49/50	414 (47)	98	47/50	351 (21)	83	21/50
66-7	424 (50)	50/50	421 (49)	99	49/50	413 (47)	97	47/50	351 (16)	83	16/50
70-7	425 (50)	50/50	423 (49)	100	49/50	415 (47)	98	47/50	338 (13)	80	13/50
74-7	425 (49)	49/50	422 (49)	99	49/50	415 (46)	98	46/50	322 (9)	76	9/50
78-7	425 (48)	48/50	416 (49)	98	49/50	417 (46)	98	46/50	301 (6)	71	6/50
82-7	424 (47)	47/50	419 (45)	99	45/50	414 (46)	98	46/50	291 (2)	69	2/50
86-7	419 (46)	46/50	418 (43)	100	43/50	408 (45)	97	45/50	- (-)	-	0/50
90-7	418 (43)	43/50	413 (43)	99	43/50	406 (40)	97	40/50	- (-)	-	0/50
94-7	411 (42)	42/50	409 (42)	100	42/50	401 (36)	98	36/50	- (-)	-	0/50
98-7	408 (38)	38/50	405 (38)	99	38/50	402 (34)	99	34/50	- (-)	-	0/50
102-7	400 (38)	38/50	394 (36)	99	36/50	396 (24)	99	24/50	- (-)	-	0/50
104-7	393 (38)	38/50	395 (31)	101	31/50	389 (19)	99	19/50	- (-)	-	0/50
< >:No.of effective animals.():No.of measured animals											
Av.Wt.: g											

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

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL
NUMBERS : FEMALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		67ppm			200ppm			600ppm		
	Av.Wt.	No.of Surviv. <50>	Av.Wt.	% of cont. <50>	No.of Surviv.	Av.Wt.	% of cont. <50>	No.of Surviv.	Av.Wt.	% of cont. <50>	No.of Surviv.
0-0	98 (50)	50/50	98 (50)	100	50/50	98 (50)	100	50/50	98 (50)	100	50/50
1-7	113 (50)	50/50	111 (50)	98	50/50	113 (50)	100	50/50	112 (50)	99	50/50
2-7	124 (50)	50/50	126 (50)	102	50/50	126 (50)	102	50/50	123 (50)	99	50/50
3-7	134 (50)	50/50	135 (50)	101	50/50	136 (50)	101	50/50	133 (50)	99	50/50
4-7	142 (50)	50/50	142 (50)	100	50/50	145 (50)	102	50/50	140 (50)	99	50/50
5-7	150 (50)	50/50	150 (50)	100	50/50	152 (50)	101	50/50	146 (50)	97	50/50
6-7	156 (50)	50/50	155 (50)	99	50/50	159 (50)	102	50/50	150 (50)	96	50/50
7-7	161 (50)	50/50	161 (50)	100	50/50	162 (50)	101	50/50	154 (50)	96	50/50
8-7	165 (50)	50/50	164 (50)	99	50/50	168 (50)	102	50/50	158 (50)	96	50/50
9-7	168 (50)	50/50	167 (50)	99	50/50	171 (50)	102	50/50	162 (50)	96	50/50
10-7	172 (50)	50/50	171 (50)	99	50/50	175 (50)	102	50/50	164 (50)	95	50/50
11-7	176 (50)	50/50	174 (50)	99	50/50	178 (50)	101	50/50	167 (50)	95	50/50
12-7	178 (50)	50/50	176 (50)	99	50/50	180 (50)	101	50/50	168 (50)	94	50/50
13-7	180 (50)	50/50	178 (50)	99	50/50	182 (50)	101	50/50	170 (50)	94	50/50
14-7	181 (50)	50/50	179 (50)	99	50/50	184 (50)	102	50/50	171 (50)	94	50/50
18-7	186 (50)	50/50	186 (50)	100	50/50	189 (50)	102	50/50	175 (50)	94	50/50
22-7	192 (50)	50/50	193 (50)	101	50/50	195 (50)	102	50/50	183 (50)	95	50/50
26-7	196 (50)	50/50	197 (50)	101	50/50	199 (50)	102	50/50	186 (50)	95	50/50
30-7	200 (50)	50/50	201 (50)	101	50/50	202 (50)	101	50/50	189 (50)	95	50/50
34-7	204 (50)	50/50	205 (50)	100	50/50	208 (50)	102	50/50	193 (50)	95	50/50
38-7	208 (50)	50/50	207 (50)	100	50/50	213 (49)	102	49/50	195 (49)	94	49/50
42-7	211 (50)	50/50	209 (50)	99	50/50	216 (49)	102	49/50	198 (45)	94	45/50
46-7	215 (50)	50/50	213 (50)	99	50/50	220 (49)	102	49/50	200 (37)	93	37/50
50-7	219 (50)	50/50	218 (50)	100	50/50	224 (49)	102	49/50	204 (28)	93	28/50
54-7	224 (50)	50/50	222 (50)	99	50/50	228 (49)	102	49/50	209 (20)	93	20/50
58-7	228 (50)	50/50	227 (50)	100	50/50	234 (49)	103	49/50	207 (11)	91	11/50
62-7	233 (50)	50/50	232 (50)	100	50/50	239 (48)	103	48/50	207 (8)	89	8/50
66-7	237 (50)	50/50	238 (50)	100	50/50	242 (48)	102	48/50	203 (5)	86	5/50
70-7	243 (50)	50/50	242 (49)	100	49/50	249 (47)	102	47/50	208 (3)	86	3/50
74-7	249 (50)	50/50	247 (49)	99	49/50	253 (46)	102	46/50	201 (2)	81	2/50
78-7	253 (49)	49/50	251 (48)	99	48/50	258 (45)	102	45/50	193 (2)	76	2/50
82-7	257 (49)	49/50	256 (47)	100	47/50	262 (43)	102	43/50	186 (2)	72	2/50
86-7	259 (48)	48/50	256 (46)	99	46/50	267 (41)	103	41/50	- (-)	-	0/50
90-7	260 (48)	48/50	262 (43)	101	43/50	269 (39)	103	39/50	- (-)	-	0/50
94-7	263 (47)	47/50	261 (42)	99	42/50	267 (35)	102	35/50	- (-)	-	0/50
98-7	265 (46)	46/50	265 (37)	100	37/50	270 (33)	102	33/50	- (-)	-	0/50
102-7	266 (44)	44/50	265 (36)	100	36/50	274 (26)	103	26/50	- (-)	-	0/50
104-7	265 (43)	43/50	263 (36)	99	36/50	272 (25)	103	25/50	- (-)	-	0/50
< >:No.of effective animals.():No.of measured animals											
Av.Wt.: g											

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

TABLE D3

BODY WEIGHT CHANGES : MALE

Group Name	Administration		week-day											
	0-0		1-7		2-7		3-7		4-7		5-7		6-7	
Control	122 ±	5	153 ±	8	183 ±	9	208 ±	11	228 ±	12	245 ±	13	259 ±	14
67ppm	122 ±	5	151 ±	8	183 ±	9	206 ±	9	227 ±	9	244 ±	9	258 ±	9
200ppm	122 ±	5	155 ±	7	185 ±	10	209 ±	11	229 ±	12	246 ±	12	259 ±	13
600ppm	122 ±	5	152 ±	8	182 ±	10	205 ±	10	222 ±	11*	237 ±	12**	247 ±	12**

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	272 ±	15	285 ±	16	294 ±	16	301 ±	16	309 ±	17	315 ±	17	321 ±	16		
	67ppm	272 ±	10	283 ±	10	292 ±	11	299 ±	11	307 ±	12	313 ±	12	320 ±	13		
	200ppm	271 ±	14	284 ±	15	293 ±	15	301 ±	15	308 ±	15	314 ±	16	319 ±	16		
	600ppm	257 ±	13**	267 ±	13**	277 ±	14**	282 ±	13**	288 ±	13**	292 ±	14**	297 ±	14**		

(HAN260)	BAIS 6
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration		week-day													
	14-7		18-7		22-7		26-7		30-7		34-7		38-7			
Control	325 ±	16	340 ±	16	356 ±	16	368 ±	17	378 ±	17	388 ±	18	395 ±	18		
67ppm	323 ±	13	338 ±	14	354 ±	14	367 ±	16	374 ±	16	384 ±	16	392 ±	17		
200ppm	324 ±	17	336 ±	17	350 ±	17	362 ±	18	369 ±	19*	380 ±	19	387 ±	20		
600ppm	301 ±	14**	311 ±	14**	324 ±	15**	333 ±	15**	339 ±	16**	345 ±	16**	350 ±	17**		

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

Group Name	Administration		week-day									
	42-7		46-7		50-7		54-7		58-7		62-7	
Control	401 ±	19	406 ±	21	413 ±	21	418 ±	22	421 ±	22	423 ±	22
67ppm	397 ±	17	402 ±	17	409 ±	18	415 ±	19	417 ±	20	421 ±	20
200ppm	392 ±	21	398 ±	20	402 ±	21*	410 ±	20	409 ±	25*	414 ±	21
600ppm	352 ±	18**	351 ±	24**	356 ±	24**	352 ±	22**	352 ±	20**	351 ±	22**

Group Name	Administration		week-day											
	70-7		74-7		78-7		82-7		86-7		90-7		94-7	
Control	425 ±	23	425 ±	22	425 ±	24	424 ±	25	419 ±	28	418 ±	30	411 ±	38
67ppm	423 ±	22	422 ±	24	416 ±	32	419 ±	27	418 ±	24	413 ±	29	409 ±	31
200ppm	415 ±	24	415 ±	24	417 ±	24	414 ±	25	408 ±	30	406 ±	38	401 ±	30
600ppm	338 ±	25**	322 ±	24**	301 ±	34**	291 ±	10 ?	-		-		-	

Significant difference ; * : P 0.05 ** : P 0.01

Test of Dunnett

? : Significant test is not applied,because No. of data in this group is less than 3.

(HAN260)

BAIS 6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day					
	98-7		102-7		104-7	
Control	408 ±	27	400 ±	32	393 ±	35
67ppm	405 ±	30	394 ±	36	395 ±	31
200ppm	402 ±	45	396 ±	53	389 ±	24
600ppm	-		-		-	

TABLE D4

BODY WEIGHT CHANGES : FEMALE

Group Name	Administration		week-day											
	0-0		1-7		2-7		3-7		4-7		5-7		6-7	
Control	98 ±	4	113 ±	5	124 ±	6	134 ±	6	142 ±	7	150 ±	8	156 ±	8
67ppm	98 ±	4	111 ±	4	126 ±	5	135 ±	6	142 ±	7	150 ±	7	155 ±	7
200ppm	98 ±	4	113 ±	4	126 ±	5	136 ±	6	145 ±	7	152 ±	8	159 ±	8
600ppm	98 ±	4	112 ±	5	123 ±	5	133 ±	6	140 ±	6	146 ±	7*	150 ±	7**

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
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	161 ±	9	165 ±	10	168 ±	10	172 ±	9	176 ±	10	178 ±	10	180 ±	10		
67ppm	161 ±	8	164 ±	8	167 ±	8	171 ±	8	174 ±	8	176 ±	8	178 ±	8		
200ppm	162 ±	8	168 ±	9	171 ±	9	175 ±	10	178 ±	10	180 ±	10	182 ±	10		
600ppm	154 ±	8**	158 ±	8**	162 ±	9**	164 ±	9**	167 ±	9**	168 ±	9**	170 ±	9**		

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

(HAN260)

BAIS 6

Group Name	Administration		week-day											
	14-7		18-7		22-7		26-7		30-7		34-7		38-7	
Control	181 ±	10	186 ±	9	192 ±	10	196 ±	10	200 ±	10	204 ±	11	208 ±	11
67ppm	179 ±	9	186 ±	9	193 ±	10	197 ±	10	201 ±	11	205 ±	11	207 ±	10
200ppm	184 ±	10	189 ±	11	195 ±	12	199 ±	12	202 ±	13	208 ±	14	213 ±	14
600ppm	171 ±	9**	175 ±	10**	183 ±	10**	186 ±	11**	189 ±	11**	193 ±	12**	195 ±	14**

Group Name	Administration		week-day									
	42-7		46-7		50-7		54-7		58-7		62-7	
Control	211 ±	11	215 ±	11	219 ±	12	224 ±	12	228 ±	14	233 ±	14
67ppm	209 ±	10	213 ±	11	218 ±	12	222 ±	12	227 ±	13	232 ±	14
200ppm	216 ±	14	220 ±	16	224 ±	17	228 ±	17	234 ±	18	239 ±	21
600ppm	198 ±	13**	200 ±	15**	204 ±	14**	209 ±	14**	207 ±	12**	207 ±	13**

Group Name	Administration		week-day									
	70-7		74-7		78-7		82-7		86-7		90-7	
Control	243 ±	16	249 ±	17	253 ±	16	257 ±	20	259 ±	19	260 ±	24
67ppm	242 ±	17	247 ±	19	251 ±	21	256 ±	20	256 ±	22	262 ±	21
200ppm	249 ±	23	253 ±	24	258 ±	27	262 ±	28	267 ±	30	269 ±	38
600ppm	208 ±	20**	201 ±	22 ?	193 ±	9 ?	186 ±	4 ?	-		-	

Significant difference ; * : P 0.05 ** : P 0.01

Test of Dunnett

? : Significant test is not applied,because No. of data in this group is less than 3.

(HAN260)

BAIS 6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day					
	98-7		102-7		104-7	
Control	265 ±	26	266 ±	30	265 ±	32
67ppm	265 ±	22	265 ±	23	263 ±	25
200ppm	270 ±	39	274 ±	32	272 ±	35
600ppm	-		-		-	

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

(HAN260)

BAIS 6

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL
NUMBERS : MALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		67ppm		200ppm		600ppm				
	Av.FC.	No.of Surviv. <50>	Av.FC.	% of cont. <50>	No.of Surviv.	Av.FC.	% of cont. <50>	No.of Surviv.	Av.FC.	% of cont. <50>	No.of Surviv.
1-7	16.7 (50)	50/50	16.5 (50)	99	50/50	17.1 (50)	102	50/50	16.7 (50)	100	50/50
2-7	18.6 (50)	50/50	18.9 (50)	102	50/50	19.7 (50)	106	50/50	19.2 (50)	103	50/50
3-7	18.5 (50)	50/50	18.5 (50)	100	50/50	19.5 (50)	105	50/50	19.1 (50)	103	50/50
4-7	18.5 (50)	50/50	18.6 (50)	101	50/50	19.4 (50)	105	50/50	18.8 (50)	102	50/50
5-7	18.4 (50)	50/50	18.4 (50)	100	50/50	18.9 (50)	103	50/50	18.1 (50)	98	50/50
6-7	17.8 (50)	50/50	17.9 (50)	101	50/50	18.4 (50)	103	50/50	17.7 (50)	99	50/50
7-7	18.1 (50)	50/50	18.5 (50)	102	50/50	18.8 (50)	104	50/50	18.1 (50)	100	50/50
8-7	17.8 (50)	50/50	17.9 (50)	101	50/50	18.4 (50)	103	50/50	17.7 (50)	99	50/50
9-7	17.7 (50)	50/50	17.5 (50)	99	50/50	18.2 (50)	103	50/50	17.6 (50)	99	50/50
10-7	17.5 (50)	50/50	17.4 (50)	99	50/50	18.0 (50)	103	50/50	17.3 (50)	99	50/50
11-7	17.4 (50)	50/50	17.3 (50)	99	50/50	18.1 (50)	104	50/50	17.2 (50)	99	50/50
12-7	17.0 (50)	50/50	17.2 (50)	101	50/50	17.8 (50)	105	50/50	16.7 (50)	98	50/50
13-7	17.2 (50)	50/50	17.7 (50)	103	50/50	18.0 (50)	105	50/50	17.0 (50)	99	50/50
14-7	17.2 (50)	50/50	17.4 (50)	101	50/50	17.5 (50)	102	50/50	16.7 (50)	97	50/50
18-7	17.2 (50)	50/50	17.1 (50)	99	50/50	17.1 (50)	99	50/50	16.3 (50)	95	50/50
22-7	18.0 (50)	50/50	18.4 (50)	102	50/50	18.3 (50)	102	50/50	17.2 (50)	96	50/50
26-7	18.2 (50)	50/50	18.2 (50)	100	50/50	18.1 (50)	99	50/50	16.6 (50)	91	50/50
30-7	18.3 (50)	50/50	18.2 (50)	99	50/50	18.3 (50)	100	50/50	17.2 (50)	94	50/50
34-7	18.1 (50)	50/50	18.0 (50)	99	50/50	17.9 (50)	99	50/50	16.7 (50)	92	50/50
38-7	18.0 (50)	50/50	18.1 (50)	101	50/50	17.9 (50)	99	50/50	16.7 (50)	93	50/50
42-7	17.9 (50)	50/50	18.1 (50)	101	50/50	17.8 (50)	99	50/50	16.5 (49)	92	49/50
46-7	17.7 (50)	50/50	17.7 (50)	100	50/50	17.6 (50)	99	50/50	15.8 (45)	89	45/50
50-7	17.8 (50)	50/50	18.0 (50)	101	50/50	17.6 (50)	99	50/50	16.2 (39)	91	39/50
54-7	18.0 (50)	50/50	18.2 (50)	101	50/50	17.9 (49)	99	49/50	15.7 (33)	87	33/50
58-7	17.9 (50)	50/50	17.9 (50)	100	50/50	17.3 (49)	97	49/50	15.7 (26)	88	26/50
62-7	18.0 (50)	50/50	18.0 (49)	100	49/50	17.6 (47)	98	47/50	16.1 (21)	89	21/50
66-7	18.3 (50)	50/50	18.4 (49)	101	49/50	17.7 (47)	97	47/50	15.9 (16)	87	16/50
70-7	18.3 (50)	50/50	18.5 (49)	101	49/50	17.9 (47)	98	47/50	16.2 (13)	89	13/50
74-7	18.2 (49)	49/50	18.3 (49)	101	49/50	17.8 (46)	98	46/50	15.0 (9)	82	9/50
78-7	18.3 (48)	48/50	18.2 (49)	99	49/50	18.2 (46)	99	46/50	14.4 (6)	79	6/50
82-7	18.1 (47)	47/50	18.3 (45)	101	45/50	17.6 (46)	97	46/50	16.4 (2)	91	2/50
86-7	17.6 (46)	46/50	18.0 (43)	102	43/50	17.3 (45)	98	45/50	- (-)	-	0/50
90-7	17.4 (43)	43/50	17.6 (43)	101	43/50	16.4 (40)	94	40/50	- (-)	-	0/50
94-7	16.9 (42)	42/50	17.4 (42)	103	42/50	16.8 (36)	99	36/50	- (-)	-	0/50
98-7	17.2 (38)	38/50	17.3 (38)	101	38/50	17.2 (34)	100	34/50	- (-)	-	0/50
102-7	17.2 (38)	38/50	17.6 (36)	102	36/50	16.8 (24)	98	24/50	- (-)	-	0/50
104-7	16.9 (38)	38/50	17.4 (31)	103	31/50	16.6 (19)	98	19/50	- (-)	-	0/50

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

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL
NUMBERS : FEMALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		67ppm			200ppm			600ppm		
	Av.FC.	No.of Surviv. <50>	Av.FC.	% of cont. <50>	No.of Surviv.	Av.FC.	% of cont. <50>	No.of Surviv.	Av.FC.	% of cont. <50>	No.of Surviv.
1-7	12.7 (50)	50/50	12.6 (50)	99	50/50	13.1 (50)	103	50/50	13.0 (50)	102	50/50
2-7	13.0 (50)	50/50	13.9 (50)	107	50/50	13.9 (50)	107	50/50	13.5 (50)	104	50/50
3-7	12.4 (50)	50/50	12.7 (50)	102	50/50	13.0 (50)	105	50/50	13.2 (50)	106	50/50
4-7	12.6 (50)	50/50	12.8 (50)	102	50/50	13.3 (50)	106	50/50	13.2 (50)	105	50/50
5-7	12.7 (50)	50/50	12.8 (50)	101	50/50	13.0 (50)	102	50/50	12.8 (50)	101	50/50
6-7	12.4 (50)	50/50	12.3 (50)	99	50/50	12.7 (50)	102	50/50	12.4 (50)	100	50/50
7-7	12.4 (50)	50/50	12.3 (50)	99	50/50	12.4 (50)	100	50/50	12.2 (50)	98	50/50
8-7	11.9 (50)	50/50	12.2 (50)	103	50/50	12.5 (50)	105	50/50	12.2 (50)	103	50/50
9-7	11.9 (50)	50/50	11.9 (50)	100	50/50	12.2 (50)	103	50/50	11.8 (50)	99	50/50
10-7	11.7 (50)	50/50	12.0 (50)	103	50/50	12.1 (50)	103	50/50	11.9 (50)	102	50/50
11-7	12.1 (50)	50/50	11.6 (50)	96	50/50	12.1 (50)	100	50/50	11.8 (50)	98	50/50
12-7	11.5 (50)	50/50	11.7 (50)	102	50/50	11.7 (50)	102	50/50	11.3 (50)	98	50/50
13-7	11.7 (50)	50/50	12.1 (50)	103	50/50	12.2 (50)	104	50/50	11.8 (50)	101	50/50
14-7	11.6 (50)	50/50	11.9 (50)	103	50/50	12.2 (50)	105	50/50	11.7 (50)	101	50/50
18-7	11.7 (50)	50/50	12.0 (50)	103	50/50	11.7 (50)	100	50/50	11.4 (50)	97	50/50
22-7	12.4 (50)	50/50	13.0 (50)	105	50/50	12.9 (50)	104	50/50	12.6 (50)	102	50/50
26-7	11.8 (50)	50/50	12.4 (50)	105	50/50	12.0 (50)	102	50/50	11.5 (50)	97	50/50
30-7	12.0 (50)	50/50	12.1 (50)	101	50/50	12.2 (50)	102	50/50	11.9 (50)	99	50/50
34-7	11.9 (50)	50/50	12.2 (50)	103	50/50	12.2 (50)	103	50/50	11.7 (50)	98	50/50
38-7	11.9 (50)	50/50	12.3 (50)	103	50/50	12.3 (49)	103	49/50	11.5 (49)	97	49/50
42-7	12.2 (50)	50/50	12.0 (50)	98	50/50	12.3 (49)	101	49/50	11.7 (45)	96	45/50
46-7	11.6 (50)	50/50	12.1 (50)	104	50/50	12.2 (49)	105	49/50	11.4 (37)	98	37/50
50-7	12.0 (50)	50/50	12.4 (50)	103	50/50	12.3 (49)	103	49/50	11.6 (28)	97	28/50
54-7	12.3 (50)	50/50	12.2 (50)	99	50/50	11.9 (49)	97	49/50	12.5 (20)	102	20/50
58-7	12.0 (50)	50/50	12.3 (50)	103	50/50	12.4 (49)	103	49/50	11.7 (11)	98	11/50
62-7	12.4 (50)	50/50	12.9 (50)	104	50/50	12.9 (48)	104	48/50	12.4 (8)	100	8/50
66-7	12.6 (50)	50/50	12.9 (50)	102	50/50	12.8 (48)	102	48/50	12.1 (5)	96	5/50
70-7	13.0 (50)	50/50	13.0 (49)	100	49/50	13.1 (47)	101	47/50	11.3 (3)	87	3/50
74-7	13.2 (50)	50/50	13.4 (49)	102	49/50	13.3 (46)	101	46/50	11.3 (2)	86	2/50
78-7	12.8 (49)	49/50	13.5 (48)	105	48/50	13.1 (45)	102	45/50	10.2 (2)	80	2/50
82-7	13.0 (49)	49/50	13.6 (47)	105	47/50	13.4 (43)	103	43/50	11.0 (2)	85	2/50
86-7	13.2 (48)	48/50	13.4 (46)	102	46/50	13.3 (41)	101	41/50	- (-)	-	0/50
90-7	12.9 (48)	48/50	13.4 (43)	104	43/50	13.2 (39)	102	39/50	- (-)	-	0/50
94-7	13.1 (47)	47/50	13.1 (42)	100	42/50	12.8 (35)	98	35/50	- (-)	-	0/50
98-7	12.9 (46)	46/50	13.3 (37)	103	37/50	12.7 (33)	98	33/50	- (-)	-	0/50
102-7	13.2 (44)	44/50	13.4 (36)	102	36/50	13.3 (26)	101	26/50	- (-)	-	0/50
104-7	12.9 (43)	43/50	13.2 (36)	102	36/50	12.9 (25)	100	25/50	- (-)	-	0/50

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
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	16.7± 1.4	18.6± 1.6	18.5± 1.5	18.5± 1.3	18.4± 1.4	17.8± 1.2	18.1± 1.2
67ppm	16.5± 1.3	18.9± 1.5	18.5± 1.4	18.6± 1.2	18.4± 1.1	17.9± 1.1	18.5± 1.1
200ppm	17.1± 1.4	19.7± 1.8**	19.5± 1.4**	19.4± 1.3**	18.9± 1.3	18.4± 1.2*	18.8± 1.6
600ppm	16.7± 1.5	19.2± 1.8	19.1± 1.8	18.8± 1.7	18.1± 1.6	17.7± 1.6	18.1± 1.7

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration 8-7(7)	week-day(effective) 9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	17.8± 1.4	17.7± 1.2	17.5± 1.1	17.4± 1.0	17.0± 1.0	17.2± 1.0	17.2± 0.9
67ppm	17.9± 1.0	17.5± 1.0	17.4± 0.9	17.3± 1.1	17.2± 1.0	17.7± 1.0*	17.4± 0.9
200ppm	18.4± 1.5	18.2± 1.4	18.0± 1.3	18.1± 1.4	17.8± 1.4*	18.0± 1.3**	17.5± 1.3
600ppm	17.7± 1.8	17.6± 1.9	17.3± 1.7	17.2± 1.6	16.7± 1.4	17.0± 1.3	16.7± 1.2**

Significant difference ;	* : P 0.05	** : P 0.01	Test of Dunnett
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(HAN260)

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective)						
	18-7(7)	22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Control	17.2± 0.9	18.0± 1.1	18.2± 1.0	18.3± 0.9	18.1± 1.0	18.0± 1.0	17.9± 0.9
67ppm	17.1± 1.0	18.4± 1.1	18.2± 0.9	18.2± 1.0	18.0± 0.9	18.1± 0.8	18.1± 0.9
200ppm	17.1± 1.1	18.3± 1.1	18.1± 0.9	18.3± 1.1	17.9± 1.0	17.9± 1.1	17.8± 1.0
600ppm	16.3± 1.1**	17.2± 1.1**	16.6± 1.1**	17.2± 1.2**	16.7± 1.0**	16.7± 1.1**	16.5± 1.4**

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective)						
	46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	17.7± 1.0	17.8± 0.8	18.0± 0.9	17.9± 0.9	18.0± 1.0	18.3± 1.0	18.3± 1.0
67ppm	17.7± 0.9	18.0± 0.9	18.2± 0.9	17.9± 1.1	18.0± 1.0	18.4± 1.0	18.5± 1.0
200ppm	17.6± 1.0	17.6± 1.0	17.9± 1.0	17.3± 2.3	17.6± 0.9	17.7± 1.1**	17.9± 1.2
600ppm	15.8± 2.2**	16.2± 1.7**	15.7± 1.8**	15.7± 1.9**	16.1± 1.8**	15.9± 1.9**	16.2± 1.6**

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration		week-day(effective)													
	74-7(7)		78-7(7)		82-7(7)		86-7(7)		90-7(7)		94-7(7)		98-7(7)			
Control	18.2±	1.1	18.3±	1.1	18.1±	1.2	17.6±	1.4	17.4±	1.6	16.9±	2.9	17.2±	1.4		
67ppm	18.3±	1.1	18.2±	2.5	18.3±	1.3	18.0±	1.0	17.6±	1.0	17.4±	1.1	17.3±	1.3		
200ppm	17.8±	1.7	18.2±	1.1	17.6±	1.3	17.3±	2.0	16.4±	3.1	16.8±	2.0	17.2±	2.9		
600ppm	15.0±	1.8**	14.4±	2.3**	16.4±	0.7 ?	-		-		-		-			

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

? : Significant test is not applied,because No. of data in this group is less than 3.

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration 102-7(7)	week-day(effective) 104-7(7)
Control	17.2± 2.6	16.9± 2.8
67ppm	17.6± 2.1	17.4± 1.3
200ppm	16.8± 3.5	16.6± 2.7
600ppm	-	-

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
UNIT : g
REPORT TYPE : A1 104
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	12.7± 1.0	13.0± 1.0	12.4± 0.9	12.6± 0.9	12.7± 1.0	12.4± 0.9	12.4± 1.2
67ppm	12.6± 0.8	13.9± 0.9**	12.7± 1.0	12.8± 1.0	12.8± 1.0	12.3± 1.1	12.3± 1.1
200ppm	13.1± 1.0	13.9± 1.0**	13.0± 1.0**	13.3± 1.0**	13.0± 1.0	12.7± 0.9	12.4± 1.0
600ppm	13.0± 0.9	13.5± 1.1*	13.2± 0.9**	13.2± 0.9**	12.8± 0.8	12.4± 0.9	12.2± 0.9

Significant difference ;	* : P 0.05	** : P 0.01	Test of Dunnett
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(HAN260)

BAIS 6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrIj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
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)		14-7(7)	
Control	11.9±	1.1	11.9±	1.0	11.7±	1.1	12.1±	1.4	11.5±	0.9	11.7±	0.8	11.6±	0.8
67ppm	12.2±	0.9	11.9±	0.8	12.0±	0.9	11.6±	0.7	11.7±	0.9	12.1±	1.0	11.9±	0.8
200ppm	12.5±	1.2*	12.2±	1.2	12.1±	1.0	12.1±	1.0	11.7±	0.9	12.2±	0.9*	12.2±	0.9**
600ppm	12.2±	1.1	11.8±	0.9	11.9±	0.9	11.8±	0.7	11.3±	0.8	11.8±	0.8	11.7±	0.8

Significant difference ;	* : P	0.05	** : P	0.01	Test of Dunnett
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(HAN260)

BAIS 6

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration		week-day(effective)											
	18-7(7)		22-7(7)		26-7(7)		30-7(7)		34-7(7)		38-7(7)		42-7(7)	
Control	11.7±	0.8	12.4±	1.1	11.8±	0.7	12.0±	0.8	11.9±	1.0	11.9±	0.9	12.2±	1.1
67ppm	12.0±	0.9	13.0±	1.3**	12.4±	1.0*	12.1±	1.2	12.2±	1.0	12.3±	0.9*	12.0±	0.9
200ppm	11.7±	1.0	12.9±	1.8	12.0±	1.0	12.2±	1.1	12.2±	0.9	12.3±	1.2	12.3±	1.3
600ppm	11.4±	0.8	12.6±	1.3	11.5±	1.6	11.9±	0.9	11.7±	1.4	11.5±	1.6	11.7±	1.1*

(HAN260)	BAIS 6
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FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration		week-day(effective)											
	46-7(7)		50-7(7)		54-7(7)		58-7(7)		62-7(7)		66-7(7)		70-7(7)	
Control	11.6±	1.0	12.0±	1.0	12.3±	1.1	12.0±	0.9	12.4±	0.9	12.6±	0.9	13.0±	0.9
67ppm	12.1±	1.0	12.4±	1.1	12.2±	1.1	12.3±	0.8	12.9±	1.0*	12.9±	1.0	13.0±	1.1
200ppm	12.2±	1.3	12.3±	1.3	11.9±	1.3	12.4±	1.1	12.9±	1.3	12.8±	1.2	13.1±	1.0
600ppm	11.4±	1.5	11.6±	1.8	12.5±	2.8	11.7±	0.9	12.4±	2.3	12.1±	1.4	11.3±	1.7*

(HAN260)	BAIS 6
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration 74-7(7)	week-day(effective) 78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	13.2± 0.9	12.8± 0.8	13.0± 1.5	13.2± 1.1	12.9± 1.4	13.1± 1.3	12.9± 2.0
67ppm	13.4± 1.1	13.5± 1.3**	13.6± 1.1	13.4± 1.5	13.4± 1.1	13.1± 1.6	13.3± 1.1
200ppm	13.3± 1.4	13.1± 1.3*	13.4± 1.3	13.3± 1.7	13.2± 2.8	12.8± 2.1	12.7± 2.5
600ppm	11.3± 0.8 ?	10.2± 1.0 ?	11.0± 0.7 ?	-	-	-	-

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

? : Significant test is not applied,because No. of data in this group is less than 3.

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration	week-day(effective)
	102-7(7)	104-7(7)

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

BAIS 6

TABLE F1

URINALYSIS : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein						CHI	Glucose						CHI	Ketone body						CHI	Bilirubin				CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	+	2+	3+	
Control	38	0	1	9	5	8	10	5		1	2	11	12	12	0		38	0	0	0	0	0		29	9	0	0	0	0		36	1	1	0	
67ppm	33	0	0	8	6	4	12	3		0	1	4	15	13	0		33	0	0	0	0	0		24	8	1	0	0	0		33	0	0	0	
200ppm	21	0	4	5	1	6	5	0		1	3	4	10	3	0		21	0	0	0	0	0		17	4	0	0	0	0		19	0	0	2	
600ppm	0	-	-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of CHI SQUARE
(HCL101)					BAIS 6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Occult blood					CHI	Urobilinogen					CHI
		-	±	+	2+	3+		±	+	2+	3+	4+	
Control	38	36	0	0	1	1		37	0	1	0	0	
67ppm	33	32	0	0	0	1		33	0	0	0	0	
200ppm	21	17	0	0	3	1		19	0	1	1	0	
600ppm	0	-	-	-	-	-		-	-	-	-	-	

Significant difference ;		* : P	0.05	** : P	0.01	Test of CHI SQUARE	
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TABLE F2

URINALYSIS : FEMALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

Group Name	NO. of Animals	pH							CHI	Protein						CHI	Glucose						CHI	Ketone body						CHI	Bilirubin				CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	+	2+	3+	
Control	43	0	1	3	3	4	14	18		13	13	10	3	4	0		43	0	0	0	0	0		23	20	0	0	0	0		41	1	0	1	
67ppm	36	0	2	1	1	3	15	14		4	6	16	8	2	0	*	36	0	0	0	0	0		15	19	2	0	0	0		36	0	0	0	
200ppm	26	0	3	3	0	3	10	7		5	5	9	5	2	0		26	0	0	0	0	0		13	11	2	0	0	0		25	1	0	0	
600ppm	0	-	-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-		-	-	-	-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of CHI SQUARE
(HCL101)					BAIS 6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

Group Name	NO. of Animals	Occult blood					CHI	Urobilinogen					CHI
		-	±	+	2+	3+		±	+	2+	3+	4+	
Control	43	42	0	1	0	0		42	0	0	1	0	
67ppm	36	34	0	1	0	1		36	0	0	0	0	
200ppm	26	23	0	0	3	0		26	0	0	0	0	
600ppm	0	-	-	-	-	-		-	-	-	-	-	

Significant difference ;		* : P	0.05	** : P	0.01	Test of CHI SQUARE	
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TABLE G1

HEMATOLOGY : MALE

Group Name	NO. of Animals	RED BLOOD CELL 1 0 ⁶ / μℓ		HEMOGLOBIN g / dℓ		HEMATOCRIT %		MCV f ℓ		MCH p g		MCHC g / dℓ		PLATELET 1 0 ³ / μℓ	
Control	38	7.50 ±	2.33	12.4 ±	3.5	37.4 ±	9.2	52.6 ±	11.2	17.0 ±	2.8	32.6 ±	2.1	751 ±	210
67ppm	31	8.06 ±	1.17	13.0 ±	2.2	39.0 ±	5.5	48.6 ±	3.3	16.1 ±	1.3	33.2 ±	1.2	844 ±	239
200ppm	19	7.37 ±	2.19	12.3 ±	3.2	37.3 ±	8.2	53.4 ±	11.6	17.2 ±	2.6	32.5 ±	2.2	695 ±	279
600ppm	0	-		-		-		-		-		-		-	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	RETICULOCYTE %	
Control	38	10.0 ±	11.4
67ppm	31	6.2 ±	3.7
200ppm	19	11.0 ±	12.2
600ppm	0	-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of	Dunnett
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Group Name	NO. of Animals	WBC 1 O ³ / μl		Differential NEUTRO		WBC (%) LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	38	12.48 ±	33.79	50.3 ±	15.0	29.3 ±	10.9	13.8 ±	7.9	1.2 ±	0.7	0.3 ±	0.5	5.0 ±	21.5
67ppm	31	5.16 ±	2.86	52.8 ±	12.0	31.1 ±	10.1	11.9 ±	5.3	1.3 ±	0.5	0.2 ±	0.2	2.7 ±	15.3
200ppm	19	5.05 ±	1.82	51.6 ±	11.2	29.3 ±	12.2	15.5 ±	8.6	1.2 ±	0.7	0.2 ±	0.2	2.2 ±	9.6
600ppm	0	-		-		-		-		-		-		-	

TABLE G2

HEMATOLOGY : FEMALE

Group Name	NO. of Animals	RED BLOOD CELL 1 0 ⁶ / μℓ		HEMOGLOBIN g / dℓ		HEMATOCRIT %		MCV f ℓ		MCH p g		MCHC g / dℓ		PLATELET 1 0 ⁹ / μℓ	
Control	43	7.58 ±	1.88	13.8 ±	2.8	39.4 ±	7.5	54.9 ±	13.0	19.0 ±	4.0	34.8 ±	1.2	632 ±	207
67ppm	37	8.23 ±	0.93	14.8 ±	1.4	42.2 ±	3.6	51.7 ±	3.9	18.1 ±	1.2	35.1 ±	0.8	638 ±	127
200ppm	25	6.86 ±	2.31	12.9 ±	3.6	36.9 ±	10.0	58.2 ±	14.3*	20.6 ±	6.2**	35.2 ±	2.5	571 ±	223
600ppm	0	-		-		-		-		-		-		-	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	RETICULOCYTE %	
Control	43	6.5 ±	9.7
67ppm	37	3.9 ±	3.2
200ppm	25	8.4 ±	10.1*
600ppm	0	-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of	Dunnett
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Group Name	NO. of Animals	WBC 1 O ³ / μl		Differential NEUTRO		WBC (%) LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	43	4.14 ±	7.01	47.6 ±	16.2	32.6 ±	14.2	11.6 ±	6.2	1.6 ±	0.8	0.4 ±	1.3	6.2 ±	23.0
67ppm	37	2.35 ±	1.36	46.9 ±	12.6	36.8 ±	12.5	12.2 ±	5.5	1.6 ±	0.7	0.2 ±	0.3	2.3 ±	13.7
200ppm	25	5.60 ±	8.52	48.8 ±	14.5	25.6 ±	14.3	15.0 ±	12.3	1.4 ±	0.9	0.3 ±	0.5	9.0 ±	24.8
600ppm	0	-		-		-		-		-		-		-	

TABLE H1

BIOCHEMISTRY : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 1

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	38	6.5 ±	0.7	2.9 ±	0.4	0.8 ±	0.1	0.33 ±	0.79	154 ±	34	170 ±	47	120 ±	75
67ppm	31	6.7 ±	0.4	2.9 ±	0.3	0.8 ±	0.1	0.14 ±	0.21	161 ±	22	168 ±	42	92 ±	51
200ppm	19	6.4 ±	0.8	2.8 ±	0.4	0.8 ±	0.1	0.39 ±	0.81	153 ±	24	161 ±	37	122 ±	65
600ppm	0	-		-		-		-		-		-		-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of	Dunnett
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	PHOSPHOLIPID mg / dl		AST U / L		ALT U / L		LDH U / L		ALP U / L		G-GTP U / L		CK U / L	
Control	38	252 ±	90	139 ±	137	49 ±	22	173 ±	76	493 ±	287	11.1 ±	7.3	216 ±	506
67ppm	31	234 ±	58	111 ±	66	44 ±	22	153 ±	44	413 ±	171	11.2 ±	5.9	127 ±	55
200ppm	19	239 ±	54	166 ±	142	55 ±	34	206 ±	147	470 ±	167	13.5 ±	6.2	130 ±	47
600ppm	0	-		-		-		-		-		-		-	

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

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	38	18.0 ±	4.5	0.37 ±	0.05	144 ±	2	3.8 ±	0.4	108 ±	2	10.3 ±	0.3	3.8 ±	0.6
67ppm	31	16.7 ±	3.1	0.36 ±	0.05	143 ±	2	3.8 ±	0.3	109 ±	2**	10.4 ±	0.4	3.7 ±	0.5
200ppm	19	17.5 ±	6.4	0.36 ±	0.04	144 ±	2	3.8 ±	0.4	112 ±	3**	10.2 ±	0.3	3.7 ±	0.8
600ppm	0	-		-		-		-		-		-		-	

TABLE H2

BIOCHEMISTRY : FEMALE

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	43	6.7 ±	0.6	3.5 ±	0.4	1.1 ±	0.2	0.45 ±	2.08	143 ±	22	143 ±	40	76 ±	65
67ppm	36	6.9 ±	0.3	3.5 ±	0.4	1.1 ±	0.2	0.09 ±	0.13	145 ±	20	144 ±	34	70 ±	47
200ppm	25	6.7 ±	0.5	3.5 ±	0.4	1.1 ±	0.1	0.30 ±	0.58	134 ±	28	159 ±	38	117 ±	98
600ppm	0	-		-		-		-		-		-		-	

Group Name	NO. of Animals	PHOSPHOLIPID mg / dℓ		AST U / L		ALT U / L		LDH U / L		ALP U / L		G-GTP U / L		CK U / L	
Control	43	248 ±	80	211 ±	301	66 ±	35	225 ±	171	237 ±	123	2.6 ±	2.0	122 ±	72
67ppm	36	247 ±	49	155 ±	96	64 ±	33	181 ±	54	252 ±	174	3.1 ±	3.4	123 ±	113
200ppm	25	277 ±	80	254 ±	321	73 ±	84	282 ±	308	318 ±	262	5.3 ±	9.9	185 ±	229
600ppm	0	-		-		-		-		-		-		-	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

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	43	17.3 ±	2.8	0.33 ±	0.04	143 ±	2	3.4 ±	0.4	106 ±	2	10.3 ±	0.3	3.6 ±	0.9
67ppm	36	16.3 ±	2.8	0.33 ±	0.03	142 ±	2	3.5 ±	0.4	107 ±	2	10.4 ±	0.2	3.5 ±	0.6
200ppm	25	16.9 ±	4.5	0.29 ±	0.03**	143 ±	2	3.6 ±	0.4	110 ±	3**	10.4 ±	0.3	3.8 ±	0.8
600ppm	0	-		-		-		-		-		-		-	

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

TABLE I1

GROSS FINDINGS : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control	67ppm	200ppm	600ppm
			50 (%)	50 (%)	50 (%)	50 (%)
skin/app	nodule		2 (4)	4 (8)	4 (8)	14 (28)
	crust		0 (0)	0 (0)	0 (0)	2 (4)
subcutis	jaundice		5 (10)	2 (4)	4 (8)	2 (4)
	mass		9 (18)	8 (16)	15 (30)	19 (38)
lung	white zone		4 (8)	5 (10)	2 (4)	10 (20)
	red zone		0 (0)	3 (6)	5 (10)	2 (4)
	black zone		0 (0)	0 (0)	0 (0)	1 (2)
	nodule		2 (4)	6 (12)	4 (8)	4 (8)
	voluminous		1 (2)	1 (2)	3 (6)	1 (2)
lymph node	enlarged		2 (4)	5 (10)	5 (10)	8 (16)
	red		0 (0)	0 (0)	0 (0)	1 (2)
thymus	enlarged		1 (2)	0 (0)	0 (0)	2 (4)
spleen	enlarged		16 (32)	9 (18)	21 (42)	21 (42)
	white zone		1 (2)	1 (2)	1 (2)	0 (0)
	nodule		1 (2)	2 (4)	3 (6)	2 (4)
	deformed		0 (0)	1 (2)	2 (4)	0 (0)
heart	enlarged		1 (2)	0 (0)	0 (0)	0 (0)
	white zone		1 (2)	0 (0)	3 (6)	0 (0)
	hypertrophy		0 (0)	0 (0)	1 (2)	0 (0)
oral cavity	nodule		0 (0)	0 (0)	0 (0)	1 (2)
	food		1 (2)	0 (0)	1 (2)	0 (0)
tongue	white zone		1 (2)	0 (0)	1 (2)	1 (2)

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	Control	67ppm		200ppm		600ppm	
			50 (%)	50 (%)		50 (%)		50 (%)	
tongue	nodule		0 (0)	0 (0)		4 (8)		5 (10)	
salivary gl	nodule		0 (0)	0 (0)		2 (4)		0 (0)	
stomach	forestomach:ulcer		0 (0)	0 (0)		4 (8)		1 (2)	
	forestomach:nodule		0 (0)	1 (2)		0 (0)		8 (16)	
	forestomach:thick		0 (0)	0 (0)		1 (2)		0 (0)	
	glandular stomach:ulcer		0 (0)	0 (0)		0 (0)		1 (2)	
	glandular stomach:erosion		1 (2)	0 (0)		0 (0)		0 (0)	
	glandular stomach:nodule		0 (0)	1 (2)		0 (0)		0 (0)	
	glandular stomach:black zone		0 (0)	1 (2)		0 (0)		0 (0)	
small intes	nodule		1 (2)	0 (0)		3 (6)		5 (10)	
	invagination		0 (0)	0 (0)		0 (0)		1 (2)	
large intes	nodule		1 (2)	2 (4)		6 (12)		7 (14)	
	invagination		0 (0)	0 (0)		0 (0)		1 (2)	
liver	enlarged		5 (10)	4 (8)		12 (24)		2 (4)	
	white zone		0 (0)	2 (4)		1 (2)		0 (0)	
	red zone		0 (0)	1 (2)		0 (0)		1 (2)	
	nodule		2 (4)	3 (6)		2 (4)		0 (0)	
	deformed		0 (0)	0 (0)		0 (0)		1 (2)	
	rough		9 (18)	4 (8)		15 (30)		2 (4)	
	granular		0 (0)	1 (2)		0 (0)		0 (0)	
	adhesion		1 (2)	0 (0)		0 (0)		0 (0)	
	herniation		6 (12)	8 (16)		3 (6)		5 (10)	

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		67ppm		200ppm		600ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
pancreas	nodule		0	(0)	0	(0)	0	(0)	1	(2)
kidney	white zone		1	(2)	0	(0)	2	(4)	2	(4)
	nodule		0	(0)	0	(0)	1	(2)	0	(0)
	cyst		0	(0)	2	(4)	1	(2)	0	(0)
	granular		0	(0)	1	(2)	1	(2)	0	(0)
	urin:marked retention		0	(0)	0	(0)	2	(4)	2	(4)
pituitary	enlarged		8	(16)	3	(6)	3	(6)	1	(2)
	red zone		4	(8)	4	(8)	2	(4)	2	(4)
	nodule		0	(0)	1	(2)	0	(0)	0	(0)
thyroid	enlarged		0	(0)	2	(4)	2	(4)	1	(2)
	nodule		2	(4)	6	(12)	5	(10)	1	(2)
adrenal	enlarged		1	(2)	1	(2)	0	(0)	1	(2)
testis	small		0	(0)	0	(0)	1	(2)	5	(10)
	nodule		39	(78)	35	(70)	30	(60)	0	(0)
epididymis	nodule		0	(0)	1	(2)	0	(0)	0	(0)
mammary gl	nodule		3	(6)	4	(8)	9	(18)	2	(4)
brain	enlarged		0	(0)	2	(4)	0	(0)	0	(0)
	red zone		0	(0)	2	(4)	0	(0)	0	(0)
	nodule		0	(0)	1	(2)	0	(0)	1	(2)
	adhesion		0	(0)	1	(2)	0	(0)	0	(0)
periph nerv	thick		0	(0)	0	(0)	1	(2)	0	(0)
eye	white		0	(0)	0	(0)	1	(2)	3	(6)

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name NO. of Animals	Control		67ppm		200ppm		600ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
Zymbal gl	nodule		0	(0)	5	(10)	6	(12)	26	(52)
muscle	nodule		0	(0)	0	(0)	0	(0)	2	(4)
pleura	nodule		0	(0)	1	(2)	0	(0)	2	(4)
mediastinum	mass		0	(0)	0	(0)	0	(0)	2	(4)
peritoneum	nodule		0	(0)	1	(2)	1	(2)	1	(2)
	thick		0	(0)	0	(0)	1	(2)	1	(2)
abdominal c	hemorrhage		0	(0)	0	(0)	1	(2)	0	(0)
	ascites		0	(0)	0	(0)	3	(6)	0	(0)
adipose	nodule		0	(0)	1	(2)	0	(0)	0	(0)
thoracic ca	pleural fluid		2	(4)	1	(2)	4	(8)	2	(4)
other	ear:nodule		0	(0)	1	(2)	1	(2)	0	(0)
	hindlimb:nodule		1	(2)	0	(0)	1	(2)	0	(0)
	lower jaw:nodule		0	(0)	1	(2)	0	(0)	2	(4)
	nose:nodule		1	(2)	0	(0)	0	(0)	0	(0)
whole body	anemic		4	(8)	1	(2)	4	(8)	10	(20)

TABLE I2

GROSS FINDINGS : FEMALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name NO. of Animals	Control	67ppm		200ppm		600ppm	
			50 (%)	50 (%)		50 (%)		50 (%)	
skin/app	nodule		1 (2)	0 (0)		0 (0)		3 (6)	
subcutis	jaundice		2 (4)	4 (8)		4 (8)		0 (0)	
	mass		1 (2)	6 (12)		11 (22)		18 (36)	
nasal cavit	red zone		0 (0)	0 (0)		0 (0)		1 (2)	
lung	white zone		2 (4)	0 (0)		2 (4)		4 (8)	
	red zone		0 (0)	4 (8)		3 (6)		1 (2)	
	nodule		1 (2)	1 (2)		2 (4)		2 (4)	
	voluminous		0 (0)	1 (2)		0 (0)		0 (0)	
lymph node	enlarged		1 (2)	0 (0)		2 (4)		5 (10)	
thymus	enlarged		0 (0)	0 (0)		0 (0)		1 (2)	
spleen	enlarged		6 (12)	11 (22)		16 (32)		22 (44)	
	white zone		0 (0)	1 (2)		0 (0)		0 (0)	
	nodule		0 (0)	0 (0)		1 (2)		0 (0)	
	deformed		2 (4)	1 (2)		0 (0)		0 (0)	
heart	white zone		0 (0)	0 (0)		1 (2)		0 (0)	
oral cavity	food		1 (2)	0 (0)		2 (4)		0 (0)	
tongue	white zone		0 (0)	1 (2)		0 (0)		0 (0)	
	nodule		0 (0)	0 (0)		1 (2)		0 (0)	
salivary gl	nodule		0 (0)	1 (2)		0 (0)		0 (0)	
stomach	forestomach:ulcer		0 (0)	1 (2)		4 (8)		2 (4)	
	forestomach:erosion		0 (0)	1 (2)		1 (2)		1 (2)	
	forestomach:nodule		0 (0)	0 (0)		0 (0)		1 (2)	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name NO. of Animals	Control	67ppm		200ppm		600ppm	
			50 (%)	50 (%)		50 (%)		50 (%)	
stomach	glandular stomach:ulcer		0 (0)	0 (0)		0 (0)		1 (2)	
	glandular stomach:erosion		0 (0)	0 (0)		1 (2)		0 (0)	
	glandular stomach:nodule		1 (2)	0 (0)		1 (2)		0 (0)	
	glandular stomach:black zone		0 (0)	0 (0)		0 (0)		1 (2)	
small intes	nodule		0 (0)	1 (2)		1 (2)		0 (0)	
large intes	nodule		0 (0)	0 (0)		1 (2)		2 (4)	
liver	enlarged		1 (2)	0 (0)		1 (2)		1 (2)	
	pale		0 (0)	0 (0)		1 (2)		0 (0)	
	white zone		1 (2)	0 (0)		1 (2)		0 (0)	
	red zone		0 (0)	2 (4)		1 (2)		0 (0)	
	nodule		0 (0)	3 (6)		1 (2)		0 (0)	
	deformed		0 (0)	0 (0)		0 (0)		1 (2)	
	rough		4 (8)	5 (10)		10 (20)		1 (2)	
	granular		0 (0)	2 (4)		1 (2)		0 (0)	
	nodular		0 (0)	0 (0)		1 (2)		0 (0)	
	herniation		6 (12)	4 (8)		5 (10)		7 (14)	
	black		0 (0)	1 (2)		0 (0)		0 (0)	
	white zone		1 (2)	0 (0)		0 (0)		1 (2)	
kidney	nodule		0 (0)	0 (0)		1 (2)		0 (0)	
	granular		0 (0)	0 (0)		0 (0)		1 (2)	
	urine:marked retention		1 (2)	2 (4)		1 (2)		0 (0)	
	enlarged		8 (16)	8 (16)		6 (12)		0 (0)	

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Group Name NO. of Animals	Control	67ppm	200ppm	600ppm
			50 (%)	50 (%)	50 (%)	50 (%)
pituitary	small		1 (2)	0 (0)	0 (0)	0 (0)
	red		0 (0)	1 (2)	0 (0)	0 (0)
	red zone		9 (18)	6 (12)	11 (22)	0 (0)
	black zone		1 (2)	0 (0)	0 (0)	0 (0)
	nodule		1 (2)	2 (4)	0 (0)	0 (0)
thyroid	enlarged		0 (0)	0 (0)	1 (2)	0 (0)
	nodule		6 (12)	2 (4)	2 (4)	0 (0)
adrenal	enlarged		0 (0)	0 (0)	0 (0)	1 (2)
ovary	enlarged		1 (2)	0 (0)	1 (2)	0 (0)
	red		0 (0)	1 (2)	0 (0)	0 (0)
	cyst		2 (4)	1 (2)	1 (2)	0 (0)
uterus	red zone		2 (4)	0 (0)	2 (4)	0 (0)
	black zone		2 (4)	0 (0)	0 (0)	0 (0)
	nodule		6 (12)	2 (4)	12 (24)	5 (10)
	dilated		0 (0)	1 (2)	0 (0)	0 (0)
vagina	nodule		1 (2)	2 (4)	2 (4)	0 (0)
	fluid:black		0 (0)	0 (0)	0 (0)	1 (2)
mammary gl	nodule		6 (12)	3 (6)	17 (34)	33 (66)
prep/cli gl	nodule		0 (0)	0 (0)	1 (2)	0 (0)
brain	white zone		0 (0)	1 (2)	0 (0)	0 (0)
	red zone		0 (0)	0 (0)	1 (2)	1 (2)
spinal cord	red zone		0 (0)	1 (2)	0 (0)	0 (0)

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 8

Organ	Findings	Group Name NO. of Animals	Control	67ppm	200ppm	600ppm
			50 (%)	50 (%)	50 (%)	50 (%)
eye	white		3 (6)	3 (6)	1 (2)	4 (8)
Zymbal gl	nodule		0 (0)	1 (2)	1 (2)	5 (10)
muscle	nodule		0 (0)	0 (0)	1 (2)	0 (0)
pleura	nodule		1 (2)	0 (0)	1 (2)	0 (0)
mediastinum	mass		0 (0)	0 (0)	1 (2)	0 (0)
peritoneum	nodule		0 (0)	0 (0)	2 (4)	1 (2)
	mass		0 (0)	0 (0)	1 (2)	0 (0)
	thick		1 (2)	0 (0)	1 (2)	0 (0)
retroperit	mass		0 (0)	0 (0)	1 (2)	0 (0)
abdominal c	ascites		2 (4)	0 (0)	0 (0)	0 (0)
thoracic ca	pleural fluid		1 (2)	1 (2)	1 (2)	0 (0)
other	ear:nodule		0 (0)	0 (0)	0 (0)	1 (2)
	lower jaw:nodule		0 (0)	1 (2)	0 (0)	0 (0)
	nose:nodule		2 (4)	0 (0)	0 (0)	0 (0)
whole body	anemic		2 (4)	4 (8)	6 (12)	9 (18)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight		ADRENALS		TESTES		HEART		LUNGS		KIDNEYS	
Control	38	370 ±	33	0.071 ±	0.020	3.409 ±	1.532	1.189 ±	0.106	1.574 ±	0.470	2.562 ±	0.218
67ppm	31	370 ±	31	0.074 ±	0.022	3.216 ±	0.966	1.175 ±	0.082	1.527 ±	0.467	2.590 ±	0.216
200ppm	19	367 ±	23	0.070 ±	0.012	2.809 ±	1.121	1.158 ±	0.097	1.547 ±	0.301	2.601 ±	0.222
600ppm	0	-		-		-		-		-		-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of Dunnett
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	38	2.851 ±	5.928	11.247 ±	2.758	2.097 ±	0.047
67ppm	31	1.723 ±	2.819	10.937 ±	2.100	2.108 ±	0.074
200ppm	19	3.143 ±	3.727	11.538 ±	2.322	2.052 ±	0.047**
600ppm	0	-		-		-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of Dunnett
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TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight		ADRENALS		OVARIES		HEART		LUNGS		KIDNEYS	
Control	43	248 ±	32	0.069 ±	0.011	0.125 ±	0.029	0.858 ±	0.075	1.051 ±	0.454	1.679 ±	0.122
67ppm	36	246 ±	25	0.066 ±	0.007	0.251 ±	0.754	0.841 ±	0.054	0.964 ±	0.161	1.674 ±	0.119
200ppm	25	256 ±	34	0.070 ±	0.015	0.134 ±	0.072	0.861 ±	0.079	1.074 ±	0.266	1.775 ±	0.159**
600ppm	0	-		-		-		-		-		-	

Significant difference ;		* : P	0.05	** : P	0.01	Test of Dunnett							
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCr j]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	43	1.315 ±	2.814	6.674 ±	2.197	1.911 ±	0.038
67ppm	36	0.791 ±	1.273	6.327 ±	1.561	1.894 ±	0.033
200ppm	25	1.969 ±	3.096*	7.296 ±	1.788	1.867 ±	0.030**
600ppm	0	-		-		-	

Significant difference ;	* : P	0.05	** : P	0.01	Test of Dunnett
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TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight (g)		ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	38	370 ±	33	0.019 ± 0.006	0.912 ± 0.381	0.323 ± 0.035	0.433 ± 0.156	0.696 ± 0.073
67ppm	31	370 ±	31	0.021 ± 0.010	0.871 ± 0.257	0.319 ± 0.029	0.415 ± 0.130	0.704 ± 0.086
200ppm	19	367 ±	23	0.019 ± 0.003	0.765 ± 0.301	0.316 ± 0.030	0.423 ± 0.089	0.711 ± 0.072
600ppm	0	-		-	-	-	-	-

Significant difference ;		* : P	0.05	** : P	0.01	Test of Dunnett		
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 2

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	38	0.807 ± 1.734	3.054 ± 0.806	0.571 ± 0.051
67ppm	31	0.465 ± 0.762	2.956 ± 0.525	0.574 ± 0.060
200ppm	19	0.844 ± 0.986	3.133 ± 0.503	0.561 ± 0.035
600ppm	0	-	-	-

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

(HCL042)

BAIS 6

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrIj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight (g)		ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	43	248 ±	32	0.028 ± 0.007	0.051 ± 0.012	0.353 ± 0.062	0.443 ± 0.274	0.690 ± 0.118
67ppm	36	246 ±	25	0.027 ± 0.004	0.100 ± 0.290	0.345 ± 0.031	0.396 ± 0.075	0.686 ± 0.060
200ppm	25	256 ±	34	0.028 ± 0.006	0.053 ± 0.028	0.343 ± 0.059	0.431 ± 0.142	0.703 ± 0.092
600ppm	0	-		-	-	-	-	-

Significant difference ;		* : P	0.05	** : P	0.01	Test of Dunnett		
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STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	43	0.587 ± 1.315	2.743 ± 1.011	0.785 ± 0.112
67ppm	36	0.326 ± 0.522	2.573 ± 0.551	0.779 ± 0.082
200ppm	25	0.832 ± 1.368	2.868 ± 0.678	0.743 ± 0.098
600ppm	0	-	-	-

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

(HCL042)

BAIS 6

TABLE L1

HISTOPATHOLOGICAL FINDINGS :
NEOPLASTIC LESIONS : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Integumentary system/appandage}						
skin/app	squamous cell papilloma		<50> 1 (2%)	<50> 0 (0%)	<50> 1 (2%)	<50> 2 (4%)
	fibroma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	basal cell epithelioma		0 (0%)	0 (0%)	2 (4%)	3 (6%)
	keratoacanthoma		4 (8%)	5 (10%)	7 (14%)	6 (12%)
	sebaceous adenoma		0 (0%)	1 (2%)	2 (4%)	10 (20%)
	squamous cell carcinoma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
	basal cell carcinoma		0 (0%)	0 (0%)	0 (0%)	12 (24%)
subcutis	fibroma		<50> 7 (14%)	<50> 5 (10%)	<50> 15 (30%)	<50> 5 (10%)
	lipoma		1 (2%)	2 (4%)	0 (0%)	0 (0%)
	schwannoma		1 (2%)	0 (0%)	1 (2%)	0 (0%)
	hemangioma		0 (0%)	0 (0%)	3 (6%)	1 (2%)
	fibrosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	schwannoma:malignant		0 (0%)	1 (2%)	1 (2%)	1 (2%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

(HPT085)

BAIS6

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Integumentary system/appandage}						
subcutis	sarcoma:NOS		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
{Respiratory system}						
nasal cavit	adenoma		<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)
lung	bronchiolar-alveolar adenoma		<50> 3 (6%)	<50> 7 (14%)	<50> 5 (10%)	<50> 7 (14%)
	squamous cell carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	bronchiolar-alveolar carcinoma		1 (2%)	3 (6%)	1 (2%)	2 (4%)
{Hematopoietic system}						
lymph node	malignant lymphoma		<50> 1 (2%)	<50> 0 (0%)	<50> 3 (6%)	<50> 7 (14%)
spleen	hemangioma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 1 (2%)
	mononuclear cell leukemia		10 (20%)	7 (14%)	16 (32%)	4 (8%)
	hemangiosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Digestive system}						
oral cavity	squamous cell carcinoma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 1 (2%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

BA1S6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Digestive system}						
tooth	odontoma		<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)
tongue	squamous cell papilloma		<50> 0 (0%)	<50> 0 (0%)	<50> 2 (4%)	<50> 0 (0%)
stomach	squamous cell papilloma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 4 (8%)
	squamous cell carcinoma		<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)
small intes	leiomyoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
	adenocarcinoma		<50> 0 (0%)	<50> 0 (0%)	<50> 2 (4%)	<50> 7 (14%)
large intes	adenoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 3 (6%)
	fibroma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
	leiomyoma		<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)
	adenocarcinoma		<50> 0 (0%)	<50> 1 (2%)	<50> 6 (12%)	<50> 8 (16%)
liver	hepatocellular adenoma		<50> 2 (4%)	<50> 2 (4%)	<50> 4 (8%)	<50> 0 (0%)
	histiocytic sarcoma		<50> 0 (0%)	<50> 1 (2%)	<50> 1 (2%)	<50> 0 (0%)
pancreas	islet cell adenoma		<50> 3 (6%)	<50> 2 (4%)	<50> 5 (10%)	<50> 1 (2%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ_____	Findings_____	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Digestive system}						
pancreas	neuroendocrine cell tumor:malignant		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
	islet cell adenocarcinoma		0 (0%)	1 (2%)	2 (4%)	0 (0%)
{Urinary system}						
kidney	renal cell adenoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
	liposarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
urin bladd	transitional cell papilloma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
{Endocrine system}						
pituitary	adenoma		<50> 8 (16%)	<50> 8 (16%)	<50> 7 (14%)	<50> 1 (2%)
	adenocarcinoma		4 (8%)	2 (4%)	1 (2%)	1 (2%)
thyroid	C-cell adenoma		<50> 7 (14%)	<50> 9 (18%)	<50> 8 (16%)	<50> 3 (6%)
	follicular adenoma		0 (0%)	1 (2%)	5 (10%)	2 (4%)
	C-cell carcinoma		2 (4%)	7 (14%)	4 (8%)	1 (2%)
	follicular adenocarcinoma		0 (0%)	3 (6%)	1 (2%)	0 (0%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

BA1S6

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Endocrine system}						
adrenal	pheochromocytoma		<50> 3 (6%)	<50> 4 (8%)	<50> 4 (8%)	<50> 0 (0%)
	cortical adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	pheochromocytoma:malignant		0 (0%)	2 (4%)	1 (2%)	0 (0%)
{Reproductive system}						
testis	interstitial cell tumor		<50> 41 (82%)	<50> 43 (86%)	<50> 38 (76%)	<50> 0 (0%)
	adenoma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
mammary gl	fibroadenoma		<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
prep/cli gl	adenoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 4 (8%)
	adenocarcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Nervous system}						
brain	glioma		<50> 0 (0%)	<50> 2 (4%)	<50> 4 (8%)	<50> 2 (4%)
	meningioma:malignant		0 (0%)	1 (2%)	0 (0%)	0 (0%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

BA1S6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Special sense organs/appendage}						
Zymbal gl			<50>	<50>	<50>	<50>
	Zymbal gland tumor:benign		0 (0%)	0 (0%)	1 (2%)	2 (4%)
	Zymbal gland tumor:malignant		0 (0%)	5 (10%)	6 (12%)	23 (46%)
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	sarcoma:NOS		1 (2%)	0 (0%)	0 (0%)	0 (0%)
bone			<50>	<50>	<50>	<50>
	osteosarcoma		0 (0%)	2 (4%)	1 (2%)	0 (0%)
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	fibrosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
mediastinum			<50>	<50>	<50>	<50>
	sarcoma:NOS		0 (0%)	0 (0%)	0 (0%)	1 (2%)
peritoneum			<50>	<50>	<50>	<50>
	fibrosarcoma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
	mesothelioma		0 (0%)	0 (0%)	1 (2%)	1 (2%)
adipose			<50>	<50>	<50>	<50>
	lipoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

(HPT085)

BA1S6

TABLE L2

**HISTOPATHOLOGICAL FINDINGS :
NEOPLASTIC LESIONS : FEMALE**

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 7

Organ_____	Findings_____	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		2 (4%)	0 (0%)	0 (0%)	4 (8%)
	trichoepithelioma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	basal cell epithelioma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	keratoacanthoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	squamous cell carcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		2 (4%)	1 (2%)	4 (8%)	0 (0%)
	fibrosarcoma		0 (0%)	0 (0%)	1 (2%)	2 (4%)
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		0 (0%)	2 (4%)	2 (4%)	0 (0%)
{Hematopoietic system}						
spleen			<50>	<50>	<50>	<50>
	mononuclear cell leukemia		2 (4%)	6 (12%)	10 (20%)	1 (2%)
{Digestive system}						
tongue			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

BAIS6

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 8

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Digestive system}						
salivary gl	myoepithelioma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
stomach	squamous cell papilloma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 2 (4%)
	squamous cell carcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
small intes	adenocarcinoma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
large intes	adenoma		<50> 0 (0%)	<50> 0 (0%)	<50> 2 (4%)	<50> 2 (4%)
	adenocarcinoma		0 (0%)	0 (0%)	0 (0%)	2 (4%)
liver	hepatocellular adenoma		<50> 0 (0%)	<50> 1 (2%)	<50> 2 (4%)	<50> 0 (0%)
	histiocytic sarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
pancreas	islet cell adenoma		<50> 1 (2%)	<50> 0 (0%)	<50> 4 (8%)	<50> 0 (0%)
	islet cell adenocarcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Urinary system}						
urin bladd	transitional cell papilloma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
{Endocrine system}						
pituitary	adenoma		<50> 9 (18%)	<50> 8 (16%)	<50> 12 (24%)	<50> 0 (0%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 9

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Endocrine system}						
pituitary	adenocarcinoma		<50> 5 (10%)	<50> 5 (10%)	<50> 2 (4%)	<50> 0 (0%)
thyroid	C-cell adenoma		<50> 4 (8%)	<50> 2 (4%)	<50> 5 (10%)	<50> 0 (0%)
	follicular adenoma		0 (0%)	0 (0%)	0 (0%)	2 (4%)
	C-cell carcinoma		3 (6%)	1 (2%)	2 (4%)	0 (0%)
	follicular adenocarcinoma		2 (4%)	1 (2%)	1 (2%)	0 (0%)
adrenal	pheochromocytoma		<50> 1 (2%)	<50> 1 (2%)	<50> 1 (2%)	<50> 1 (2%)
	cortical adenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Reproductive system}						
ovary	granulosa cell tumor:benign		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
	adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
uterus	adenoma		<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)	<50> 2 (4%)
	hemangioma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	endometrial stromal polyp		9 (18%)	4 (8%)	11 (22%)	8 (16%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						
(HPT085)						

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI Crlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 10

Organ	Findings	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Reproductive system}						
uterus	adenocarcinoma		<50> 1 (2%)	<50> 0 (0%)	<50> 1 (2%)	<50> 2 (4%)
	endometrial stromal sarcoma		1 (2%)	0 (0%)	3 (6%)	0 (0%)
vagina	squamous cell papilloma		<50> 1 (2%)	<50> 2 (4%)	<50> 7 (14%)	<50> 4 (8%)
	squamous cell carcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	stromal sarcoma		0 (0%)	2 (4%)	1 (2%)	1 (2%)
mammary gl	adenoma		<50> 1 (2%)	<50> 0 (0%)	<50> 5 (10%)	<50> 0 (0%)
	fibroadenoma		2 (4%)	4 (8%)	13 (26%)	1 (2%)
	adenocarcinoma		0 (0%)	2 (4%)	5 (10%)	48 (96%)
	fibrosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	adenosquamous carcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
prep/cli gl	squamous cell papilloma		<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)
	adenoma		1 (2%)	1 (2%)	4 (8%)	4 (8%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	1 (2%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

(HPT085)

BAIS6

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 11

Organ_____	Findings_____	Group Name No. of animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
{Special sense organs/appendage}						
Zymbal gl	Zymbal gland tumor:benign		<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)
	Zymbal gland tumor:malignant		0 (0%)	1 (2%)	1 (2%)	4 (8%)
{Musculoskeletal system}						
muscle	rhabdomyosarcoma		<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)
{Body cavities}						
peritoneum	lipoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
	neuroendocrine cell tumor:benign		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	sarcoma:NOS		0 (0%)	0 (0%)	1 (2%)	0 (0%)
< a > b (c)	a : Number of animals examined at the site b : Number of animals with neoplasm c : b / a * 100					
(HPT085)						
BAIS6						

TABLE M1

NEOPLASTIC LESIONS-INCIDENCE
AND STATISTICAL ANALYSIS : MALE

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	67ppm	200ppm	600ppm
SITE : skin/appendage TUMOR : basal cell epithelioma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	2/50(4.0)	3/50(6.0)
Adjusted rates(b)	0.00	0.00	7.69	18.18
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0103* ?			
Prevalence method(d)	P = 0.0025**			
Combined analysis(d)	P = 0.0001**			
Cochran-Armitage test(e)	P = 0.0298*			
Fisher Exact test(e)		P = N.C.	P = 0.2475	P = 0.1212
SITE : skin/appendage TUMOR : keratoacanthoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	5/50(10.0)	7/50(14.0)	6/50(12.0)
Adjusted rates(b)	9.52	12.20	18.42	22.22
Terminal rates(c)	3/38(7.9)	3/31(9.7)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0050**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5822			
Fisher Exact test(e)		P = 0.5000	P = 0.2623	P = 0.3703
SITE : skin/appendage TUMOR : sebaceous adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	2/50(4.0)	10/50(20.0)
Adjusted rates(b)	0.00	3.23	8.00	60.00
Terminal rates(c)	0/38(0.0)	1/31(3.2)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = 0.2475	P = 0.0006**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	67ppm	200ppm	600ppm
SITE : skin/appendage TUMOR : basal cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	0/50(0.0)	12/50(24.0)
Adjusted rates(b)	0.00	0.00	0.00	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = N.C.	P = 0.0001**
SITE : skin/appendage TUMOR : squamous cell carcinoma,basal cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	0/50(0.0)	13/50(26.0)
Adjusted rates(b)	0.00	2.44	0.00	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = N.C.	P < 0.0001**
SITE : subcutis TUMOR : fibroma				
Tumor rate				
Overall rates(a)	7/50(14.0)	5/50(10.0)	15/50(30.0)	5/50(10.0)
Adjusted rates(b)	13.16	15.15	33.33	50.00
Terminal rates(c)	5/38(13.2)	4/31(12.9)	6/19(31.6)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0005**			
Prevalence method(d)	P = 0.0003**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.6184			
Fisher Exact test(e)		P = 0.3798	P = 0.0448*	P = 0.3798

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 3

Group Name	Control	67ppm	200ppm	600ppm
SITE : subcutis TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	3/50(6.0)	1/50(2.0)
Adjusted rates(b)	0.00	0.00	15.79	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	3/19(15.8)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0001**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.4698			
Fisher Exact test(e)		P = N.C.	P = 0.1212	P = 0.5000
SITE : subcutis TUMOR : fibroma,fibrosarcoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	5/50(10.0)	16/50(32.0)	5/50(10.0)
Adjusted rates(b)	13.16	15.15	33.33	50.00
Terminal rates(c)	5/38(13.2)	4/31(12.9)	6/19(31.6)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0005**			
Prevalence method(d)	P = 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.6130			
Fisher Exact test(e)		P = 0.3798	P = 0.0279*	P = 0.3798
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	7/50(14.0)	5/50(10.0)	7/50(14.0)
Adjusted rates(b)	7.89	16.13	15.79	100.00
Terminal rates(c)	3/38(7.9)	5/31(16.1)	3/19(15.8)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0011**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3818			
Fisher Exact test(e)		P = 0.1589	P = 0.3575	P = 0.1589

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 4

Group Name	Control	67ppm	200ppm	600ppm
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	3/50(6.0)	1/50(2.0)	2/50(4.0)
Adjusted rates(b)	2.63	4.55	5.26	6.06
Terminal rates(c)	1/38(2.6)	1/31(3.2)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4040			
Prevalence method(d)	P = 0.1530			
Combined analysis(d)	P = 0.1587			
Cochran-Armitage test(e)	P = 0.8899			
Fisher Exact test(e)		P = 0.3086	P = 0.7525	P = 0.5000
SITE : lung TUMOR : bronchiolar-alveolar adenoma,squamous cell carcinoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	8/50(16.0)	6/50(12.0)	9/50(18.0)
Adjusted rates(b)	10.53	16.22	21.05	100.00
Terminal rates(c)	4/38(10.5)	5/31(16.1)	4/19(21.1)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0094**			
Prevalence method(d)	P = 0.0003**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.2536			
Fisher Exact test(e)		P = 0.1783	P = 0.3703	P = 0.1168
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	0/50(0.0)	3/50(6.0)	7/50(14.0)
Adjusted rates(b)	0.00	0.00	5.26	6.25
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**			
Prevalence method(d)	P = 0.0470*			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.0013**			
Fisher Exact test(e)		P = 0.5000	P = 0.3086	P = 0.0297*

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : spleen TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	10/50(20.0)	7/50(14.0)	16/50(32.0)	4/50(8.0)
Adjusted rates(b)	13.16	9.68	31.58	0.00
Terminal rates(c)	5/38(13.2)	3/31(9.7)	6/19(31.6)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**			
Prevalence method(d)	P = 0.0297*			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.1268			
Fisher Exact test(e)		P = 0.2977	P = 0.1271	P = 0.0739
SITE : stomach TUMOR : squamous cell papilloma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	2.08	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0032**			
Fisher Exact test(e)		P = N.C.	P = 0.5000	P = 0.0587
SITE : stomach TUMOR : squamous cell papilloma,squamous cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	1/50(2.0)	5/50(10.0)
Adjusted rates(b)	0.00	0.00	2.08	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0007**			
Fisher Exact test(e)		P = N.C.	P = 0.5000	P = 0.0281*

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : small intestine TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	2/50(4.0)	7/50(14.0)
Adjusted rates(b)	0.00	0.00	0.00	40.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0435*			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P = 0.0001**			
Fisher Exact test(e)		P = N.C.	P = 0.2475	P = 0.0062**
SITE : large intestine TUMOR : adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	1/50(2.0)	3/50(6.0)
Adjusted rates(b)	0.00	0.00	5.26	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0059**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0139*			
Fisher Exact test(e)		P = N.C.	P = 0.5000	P = 0.1212
SITE : large intestine TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	6/50(12.0)	8/50(16.0)
Adjusted rates(b)	0.00	3.23	21.05	37.50
Terminal rates(c)	0/38(0.0)	1/31(3.2)	4/19(21.1)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0002**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0012**			
Fisher Exact test(e)		P = 0.5000	P = 0.0133*	P = 0.0029**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : large intestine TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	7/50(14.0)	11/50(22.0)
Adjusted rates(b)	0.00	3.23	26.32	100.00
Terminal rates(c)	0/38(0.0)	1/31(3.2)	5/19(26.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = 0.0062**	P = 0.0003**
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	2/50(4.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	5.26	6.45	10.53	0.00
Terminal rates(c)	2/38(5.3)	2/31(6.5)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.1055			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2147			
Fisher Exact test(e)		P = 0.6913	P = 0.3389	P = 0.2475
SITE : pancreas TUMOR : islet cell adenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	2/50(4.0)	5/50(10.0)	1/50(2.0)
Adjusted rates(b)	7.89	6.45	15.79	14.29
Terminal rates(c)	3/38(7.9)	2/31(6.5)	3/19(15.8)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0193*			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3861			
Fisher Exact test(e)		P = 0.5000	P = 0.3575	P = 0.3086

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : pancreas TUMOR : islet cell adenoma, islet cell adenocarcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	3/50(6.0)	7/50(14.0)	1/50(2.0)
Adjusted rates(b)	7.89	6.45	26.32	14.29
Terminal rates(c)	3/38(7.9)	2/31(6.5)	5/19(26.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4838			
Prevalence method(d)	P = 0.0030**			
Combined analysis(d)	P = 0.0087**			
Cochran-Armitage test(e)	P = 0.3208			
Fisher Exact test(e)		P = 0.6611	P = 0.1589	P = 0.3086
SITE : pituitary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	8/50(16.0)	8/50(16.0)	7/50(14.0)	1/50(2.0)
Adjusted rates(b)	21.05	18.92	20.00	11.11
Terminal rates(c)	8/38(21.1)	4/31(12.9)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.2991			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0127*			
Fisher Exact test(e)		P = 0.6071	P = 0.5000	P = 0.0154*
SITE : pituitary gland TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	1/50(2.0)	1/50(2.0)
Adjusted rates(b)	2.63	2.94	3.23	2.38
Terminal rates(c)	1/38(2.6)	0/31(0.0)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9639			
Prevalence method(d)	P = 0.2270			
Combined analysis(d)	P = 0.5216			
Cochran-Armitage test(e)	P = 0.2147			
Fisher Exact test(e)		P = 0.3389	P = 0.1811	P = 0.1811

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : pituitary gland TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	12/50(24.0)	10/50(20.0)	8/50(16.0)	2/50(4.0)
Adjusted rates(b)	23.68	22.22	22.86	11.11
Terminal rates(c)	9/38(23.7)	4/31(12.9)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9639			
Prevalence method(d)	P = 0.2899			
Combined analysis(d)	P = 0.4991			
Cochran-Armitage test(e)	P = 0.0041**			
Fisher Exact test(e)		P = 0.4049	P = 0.2269	P = 0.0038**
SITE : thyroid TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	9/50(18.0)	8/50(16.0)	3/50(6.0)
Adjusted rates(b)	15.79	24.32	26.32	18.18
Terminal rates(c)	6/38(15.8)	6/31(19.4)	5/19(26.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0786			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.1001			
Fisher Exact test(e)		P = 0.3929	P = 0.5000	P = 0.1589
SITE : thyroid TUMOR : follicular adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	5/50(10.0)	2/50(4.0)
Adjusted rates(b)	0.00	3.23	11.11	5.56
Terminal rates(c)	0/38(0.0)	1/31(3.2)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0007**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.4085			
Fisher Exact test(e)		P = 0.5000	P = 0.0281*	P = 0.2475

STUDY No. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : thyroid TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	7/50(14.0)	4/50(8.0)	1/50(2.0)
Adjusted rates(b)	5.26	17.14	12.90	5.00
Terminal rates(c)	2/38(5.3)	4/31(12.9)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.1159			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.1651			
Fisher Exact test(e)		P = 0.0798	P = 0.3389	P = 0.5000
SITE : thyroid TUMOR : follicular adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	3/50(6.0)	1/50(2.0)	0/50(0.0)
Adjusted rates(b)	0.00	9.68	4.76	0.00
Terminal rates(c)	0/38(0.0)	3/31(9.7)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.2130			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3118			
Fisher Exact test(e)		P = 0.1212	P = 0.5000	P = N.C.
SITE : thyroid TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	9/50(18.0)	15/50(30.0)	11/50(22.0)	4/50(8.0)
Adjusted rates(b)	21.05	37.84	26.32	20.00
Terminal rates(c)	8/38(21.1)	10/31(32.3)	5/19(26.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0670			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0289*			
Fisher Exact test(e)		P = 0.1207	P = 0.4015	P = 0.1168

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : thyroid TUMOR : follicular adenoma, follicular adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	4/50(8.0)	6/50(12.0)	2/50(4.0)
Adjusted rates(b)	0.00	12.90	14.29	5.56
Terminal rates(c)	0/38(0.0)	4/31(12.9)	2/19(10.5)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0026**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.9317			
Fisher Exact test(e)		P = 0.0587	P = 0.0133*	P = 0.2475
SITE : adrenal gland TUMOR : pheochromocytoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	4/50(8.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	7.89	11.43	11.43	0.00
Terminal rates(c)	3/38(7.9)	3/31(9.7)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.2947			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0793			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.1212
SITE : adrenal gland TUMOR : pheochromocytoma, pheochromocytoma:malignant				
Tumor rate				
Overall rates(a)	3/50(6.0)	6/50(12.0)	5/50(10.0)	0/50(0.0)
Adjusted rates(b)	7.89	14.29	14.29	0.00
Terminal rates(c)	3/38(7.9)	4/31(12.9)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4709			
Prevalence method(d)	P = 0.1923			
Combined analysis(d)	P = 0.2207			
Cochran-Armitage test(e)	P = 0.0518			
Fisher Exact test(e)		P = 0.2435	P = 0.3575	P = 0.1212

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : testis TUMOR : interstitial cell tumor				
Tumor rate				
Overall rates(a)	41/50(82.0)	43/50(86.0)	38/50(76.0)	0/50(0.0)
Adjusted rates(b)	88.64	93.55	96.00	0.00
Terminal rates(c)	33/38(86.8)	29/31(93.5)	18/19(94.7)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9887			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.3929	P = 0.3121	P < 0.0001**
SITE : preputial/clitoral gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	5.26	50.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0032**?			
Prevalence method(d)	P = 0.0213*			
Combined analysis(d)	P = 0.0003**			
Cochran-Armitage test(e)	P = 0.0032**			
Fisher Exact test(e)		P = N.C.	P = 0.5000	P = 0.0587
SITE : preputial/clitoral gland TUMOR : squamous cell papilloma,adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	5.26	50.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0032**?			
Prevalence method(d)	P = 0.0213*			
Combined analysis(d)	P = 0.0003**			
Cochran-Armitage test(e)	P = 0.0032**			
Fisher Exact test(e)		P = N.C.	P = 0.5000	P = 0.0587

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : preputial/clitoral gland TUMOR : squamous cell papilloma,adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	5.26	50.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0068**			
Prevalence method(d)	P = 0.0217*			
Combined analysis(d)	P = 0.0005**			
Cochran-Armitage test(e)	P = 0.0149*			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.0587
SITE : brain TUMOR : glioma				
Tumor rate				
Overall rates(a)	0/50(0.0)	2/50(4.0)	4/50(8.0)	2/50(4.0)
Adjusted rates(b)	0.00	3.23	0.00	0.00
Terminal rates(c)	0/38(0.0)	1/31(3.2)	0/19(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0040**			
Prevalence method(d)	P = 0.3734			
Combined analysis(d)	P = 0.0046**			
Cochran-Armitage test(e)	P = 0.5350			
Fisher Exact test(e)		P = 0.2475	P = 0.0587	P = 0.2475
SITE : Zymbal gland TUMOR : Zymbal gland tumor:malignant				
Tumor rate				
Overall rates(a)	0/50(0.0)	5/50(10.0)	6/50(12.0)	23/50(46.0)
Adjusted rates(b)	0.00	3.23	10.00	23.08
Terminal rates(c)	0/38(0.0)	1/31(3.2)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P = 0.0010**			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.0281*	P = 0.0133*	P < 0.0001**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : Zymbal gland TUMOR : Zymbal gland tumor:benign,Zymbal gland tumor:malignant				
Tumor rate				
Overall rates(a)	0/50(0.0)	5/50(10.0)	7/50(14.0)	25/50(50.0)
Adjusted rates(b)	0.00	3.23	13.33	30.77
Terminal rates(c)	0/38(0.0)	1/31(3.2)	1/19(5.3)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P = 0.0002**			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.0281*	P = 0.0062**	P < 0.0001**

(HPT360A)

BAIS6

(a): Number of tumor-bearing animals/number of animals examined at the site.
 (b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
 (c): Observed tumor incidence at terminal kill.
 (d): Beneath the control incidence are the P-values associated with the trend test.
 Standard method : Death analysis
 Prevalence method : Incidental tumor test
 Combined analysis : Death analysis + Incidental tumor test
 (e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
 ? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
 ----- : There is no data which should be statistical analysis.
 Significant difference ; * : P 0.05 ** : P 0.01
 N.C.:Statistical value cannot be calculated and was not significant.

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

PAGE : 1

Group Name	Control	67ppm	200ppm	600ppm
SITE : skin/appendage				
TUMOR : squamous cell papilloma,basal cell epithelioma,sebaceous adenoma,keratoacanthoma,squamous cell carcinoma,basal cell carcinoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	6/50(12.0)	9/50(18.0)	22/50(44.0)
Adjusted rates(b)	11.90	14.63	23.68	100.00
Terminal rates(c)	4/38(10.5)	4/31(12.9)	3/19(15.8)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = 0.1940	P = 0.0001**

(HPT360A)

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

(b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.

(c): Observed tumor incidence at terminal kill.

(d): Beneath the control incidence are the P-values associated with the trend test.

Standard method : Death analysis

Prevalence method : Incidental tumor test

Combined analysis : Death analysis + Incidental tumor test

(e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.

? : The conditional probabilities of the largest and smallest possible outcomes can not be estimated or this P-value is beyond the estimated P-value.

----- : There is no data which should be statistical analysis.

Significant difference ; * : P 0.05 ** : P 0.01

N.C.:Statistical value cannot be calculated and was not significant.

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	67ppm	200ppm	600ppm
SITE : ALL SITE TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	3/50(6.0)	2/50(4.0)
Adjusted rates(b)	0.00	2.44	15.79	100.00
Terminal rates(c)	0/38(0.0)	0/31(0.0)	3/19(15.8)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3129			
Fisher Exact test(e)		P = 0.5000	P = 0.1212	P = 0.2475

(HPT360A)

BAIS6

(a): Number of tumor-bearing animals/number of animals examined at the site.
 (b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
 (c): Observed tumor incidence at terminal kill.
 (d): Beneath the control incidence are the P-values associated with the trend test.
 Standard method : Death analysis
 Prevalence method : Incidental tumor test
 Combined analysis : Death analysis + Incidental tumor test
 (e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
 ? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
 ----- : There is no data which should be statistical analysis.
 Significant difference ; * : P 0.05 ** : P 0.01
 N.C.:Statistical value cannot be calculated and was not significant.

TABLE M2

**NEOPLASTIC LESIONS-INCIDENCE
AND STATISTICAL ANALYSIS : FEMALE**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : skin/appendage TUMOR : squamous cell papilloma				
Tumor rate				
Overall rates(a)	2/50(4.0)	0/50(0.0)	0/50(0.0)	4/50(8.0)
Adjusted rates(b)	4.65	0.00	0.00	15.00
Terminal rates(c)	2/43(4.7)	0/36(0.0)	0/25(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0055**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0501			
Fisher Exact test(e)		P = 0.2475	P = 0.2475	P = 0.3389
SITE : skin/appendage TUMOR : squamous cell papilloma, trichoepithelioma, basal cell epithelioma, keratoacanthoma, sebaceous adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	0/50(0.0)	0/50(0.0)	5/50(10.0)
Adjusted rates(b)	9.30	0.00	0.00	50.00
Terminal rates(c)	4/43(9.3)	0/36(0.0)	0/25(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0106*			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.1240			
Fisher Exact test(e)		P = 0.0587	P = 0.0587	P = 0.5000
SITE : skin/appendage TUMOR : squamous cell papilloma, trichoepithelioma, basal cell epithelioma, keratoacanthoma, squamous cell carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	0/50(0.0)	1/50(2.0)	5/50(10.0)
Adjusted rates(b)	9.30	0.00	0.00	50.00
Terminal rates(c)	4/43(9.3)	0/36(0.0)	0/25(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1201			
Prevalence method(d)	P = 0.0107*			
Combined analysis(d)	P = 0.0068**			
Cochran-Armitage test(e)	P = 0.1500			
Fisher Exact test(e)		P = 0.0587	P = 0.1811	P = 0.5000

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : subcutis TUMOR : fibroma				
Tumor rate				
Overall rates(a)	2/50(4.0)	1/50(2.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	4.65	2.78	16.00	0.00
Terminal rates(c)	2/43(4.7)	1/36(2.8)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0407*			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2823			
Fisher Exact test(e)		P = 0.5000	P = 0.3389	P = 0.2475
SITE : subcutis TUMOR : fibroma,fibrosarcoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	1/50(2.0)	5/50(10.0)	2/50(4.0)
Adjusted rates(b)	4.65	2.78	16.00	20.00
Terminal rates(c)	2/43(4.7)	1/36(2.8)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0258*			
Prevalence method(d)	P = 0.0045**			
Combined analysis(d)	P = 0.0003**			
Cochran-Armitage test(e)	P = 0.8897			
Fisher Exact test(e)		P = 0.5000	P = 0.2180	P = 0.6913
SITE : spleen TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	2/50(4.0)	6/50(12.0)	10/50(20.0)	1/50(2.0)
Adjusted rates(b)	4.65	2.78	16.00	0.00
Terminal rates(c)	2/43(4.7)	1/36(2.8)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0042**			
Prevalence method(d)	P = 0.0407*			
Combined analysis(d)	P = 0.0008**			
Cochran-Armitage test(e)	P = 0.2473			
Fisher Exact test(e)		P = 0.1343	P = 0.0139*	P = 0.5000

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 17

Group Name	Control	67ppm	200ppm	600ppm
SITE : large intestine TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	2/50(4.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	8.00	60.00
Terminal rates(c)	0/43(0.0)	0/36(0.0)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0001**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0076**			
Fisher Exact test(e)		P = N.C.	P = 0.2475	P = 0.0587
SITE : pancreas TUMOR : islet cell adenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	0/50(0.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	2.33	0.00	11.54	0.00
Terminal rates(c)	1/43(2.3)	0/36(0.0)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0163*			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5807			
Fisher Exact test(e)		P = 0.5000	P = 0.1811	P = 0.5000
SITE : pancreas TUMOR : islet cell adenoma,islet cell adenocarcinoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	1/50(2.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	2.33	2.78	11.54	0.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0290*			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.4400			
Fisher Exact test(e)		P = 0.7525	P = 0.1811	P = 0.5000

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : pituitary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	9/50(18.0)	8/50(16.0)	12/50(24.0)	0/50(0.0)
Adjusted rates(b)	18.60	17.50	37.04	0.00
Terminal rates(c)	8/43(18.6)	6/36(16.7)	8/25(32.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3463			
Prevalence method(d)	P = 0.0503			
Combined analysis(d)	P = 0.0472*			
Cochran-Armitage test(e)	P = 0.0038**			
Fisher Exact test(e)		P = 0.5000	P = 0.3121	P = 0.0013**
SITE : pituitary gland TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	5/50(10.0)	2/50(4.0)	0/50(0.0)
Adjusted rates(b)	6.98	11.11	4.00	0.00
Terminal rates(c)	3/43(7.0)	4/36(11.1)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5665			
Prevalence method(d)	P = 0.6674			
Combined analysis(d)	P = 0.6898			
Cochran-Armitage test(e)	P = 0.0170*			
Fisher Exact test(e)		P = 0.6296	P = 0.2180	P = 0.0281*
SITE : pituitary gland TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	14/50(28.0)	13/50(26.0)	14/50(28.0)	0/50(0.0)
Adjusted rates(b)	25.58	27.78	40.74	0.00
Terminal rates(c)	11/43(25.6)	10/36(27.8)	9/25(36.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4757			
Prevalence method(d)	P = 0.1274			
Combined analysis(d)	P = 0.1522			
Cochran-Armitage test(e)	P = 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = 0.5879	P < 0.0001**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 19

Group Name	Control	67ppm	200ppm	600ppm
SITE : thyroid TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	5/50(10.0)	0/50(0.0)
Adjusted rates(b)	9.30	5.56	12.00	0.00
Terminal rates(c)	4/43(9.3)	2/36(5.6)	3/25(12.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.1698			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0956			
Fisher Exact test(e)		P = 0.3389	P = 0.5000	P = 0.0587
SITE : thyroid TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/50(2.0)	2/50(4.0)	0/50(0.0)
Adjusted rates(b)	6.67	2.78	8.00	0.00
Terminal rates(c)	2/43(4.7)	1/36(2.8)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.4139			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.1376			
Fisher Exact test(e)		P = 0.3086	P = 0.5000	P = 0.1212
SITE : thyroid TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	3/50(6.0)	6/50(12.0)	0/50(0.0)
Adjusted rates(b)	15.56	8.33	16.00	0.00
Terminal rates(c)	6/43(14.0)	3/36(8.3)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.3259			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0206*			
Fisher Exact test(e)		P = 0.1589	P = 0.5000	P = 0.0062**

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 20

Group Name	Control	67ppm	200ppm	600ppm
SITE : uterus TUMOR : endometrial stromal polyp				
Tumor rate				
Overall rates(a)	9/50(18.0)	4/50(8.0)	11/50(22.0)	8/50(16.0)
Adjusted rates(b)	20.93	8.16	25.00	100.00
Terminal rates(c)	9/43(20.9)	2/36(5.6)	6/25(24.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1522			
Prevalence method(d)	P = 0.0154*			
Combined analysis(d)	P = 0.0111*			
Cochran-Armitage test(e)	P = 0.7832			
Fisher Exact test(e)		P = 0.1168	P = 0.4015	P = 0.5000
SITE : uterus TUMOR : endometrial stromal sarcoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	0/50(0.0)	3/50(6.0)	0/50(0.0)
Adjusted rates(b)	0.00	0.00	2.78	0.00
Terminal rates(c)	0/43(0.0)	0/36(0.0)	0/25(0.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1596			
Prevalence method(d)	P = 0.1485			
Combined analysis(d)	P = 0.0726			
Cochran-Armitage test(e)	P = 0.5622			
Fisher Exact test(e)		P = 0.5000	P = 0.3086	P = 0.5000
SITE : uterus TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	0/50(0.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	4.65	0.00	4.00	50.00
Terminal rates(c)	2/43(4.7)	0/36(0.0)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0003**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0734			
Fisher Exact test(e)		P = 0.2475	P = 0.5000	P = 0.3389

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : vagina TUMOR : squamous cell papilloma				
Tumor rate				
Overall rates(a)	1/50(2.0)	2/50(4.0)	7/50(14.0)	4/50(8.0)
Adjusted rates(b)	2.33	4.88	19.35	50.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0007**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2840			
Fisher Exact test(e)		P = 0.5000	P = 0.0297*	P = 0.1811
SITE : vagina TUMOR : squamous cell papilloma,squamous cell carcinoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	2/50(4.0)	8/50(16.0)	4/50(8.0)
Adjusted rates(b)	2.33	4.88	23.08	50.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	5/25(20.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0005**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3084			
Fisher Exact test(e)		P = 0.5000	P = 0.0154*	P = 0.1811
SITE : mammary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	0/50(0.0)	5/50(10.0)	0/50(0.0)
Adjusted rates(b)	2.08	0.00	16.13	0.00
Terminal rates(c)	0/43(0.0)	0/36(0.0)	4/25(16.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.0056**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5924			
Fisher Exact test(e)		P = 0.5000	P = 0.1022	P = 0.5000

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : mammary gland TUMOR : fibroadenoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	4/50(8.0)	13/50(26.0)	1/50(2.0)
Adjusted rates(b)	4.65	11.11	28.57	25.00
Terminal rates(c)	2/43(4.7)	4/36(11.1)	6/25(24.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0051**?			
Prevalence method(d)	P = 0.0002**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.3798			
Fisher Exact test(e)		P = 0.3389	P = 0.0019**	P = 0.5000
SITE : mammary gland TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	2/50(4.0)	5/50(10.0)	48/50(96.0)
Adjusted rates(b)	0.00	2.78	4.00	100.00
Terminal rates(c)	0/43(0.0)	1/36(2.8)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.2475	P = 0.0281*	P < 0.0001**
SITE : mammary gland TUMOR : adenoma, fibroadenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	4/50(8.0)	16/50(32.0)	1/50(2.0)
Adjusted rates(b)	6.25	11.11	37.50	25.00
Terminal rates(c)	2/43(4.7)	4/36(11.1)	8/25(32.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0051**?			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.2889			
Fisher Exact test(e)		P = 0.5000	P = 0.0008**	P = 0.3086

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

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Group Name	Control	67ppm	200ppm	600ppm
SITE : mammary gland TUMOR : adenocarcinoma,adenosquamous carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	2/50(4.0)	6/50(12.0)	48/50(96.0)
Adjusted rates(b)	0.00	2.78	6.25	100.00
Terminal rates(c)	0/43(0.0)	1/36(2.8)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.2475	P = 0.0133*	P < 0.0001**
SITE : mammary gland TUMOR : adenoma,fibroadenoma,adenocarcinoma,adenosquamous carcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	6/50(12.0)	21/50(42.0)	48/50(96.0)
Adjusted rates(b)	6.25	13.89	40.62	100.00
Terminal rates(c)	2/43(4.7)	5/36(13.9)	8/25(32.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.2435	P < 0.0001**	P < 0.0001**
SITE : preputial/clitoral gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	1/50(2.0)	4/50(8.0)	4/50(8.0)
Adjusted rates(b)	2.33	2.78	10.00	50.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1279			
Prevalence method(d)	P = 0.0421*			
Combined analysis(d)	P = 0.0297*			
Cochran-Armitage test(e)	P = 0.1253			
Fisher Exact test(e)		P = 0.7525	P = 0.1811	P = 0.1811

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 24

Group Name	Control	67ppm	200ppm	600ppm
SITE : preputial/clitoral gland TUMOR : squamous cell papilloma,adenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	1/50(2.0)	4/50(8.0)	5/50(10.0)
Adjusted rates(b)	2.33	2.78	10.00	50.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	2/25(8.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1279			
Prevalence method(d)	P = 0.0154*			
Combined analysis(d)	P = 0.0104*			
Cochran-Armitage test(e)	P = 0.0481*			
Fisher Exact test(e)		P = 0.7525	P = 0.1811	P = 0.1022
SITE : preputial/clitoral gland TUMOR : squamous cell papilloma,adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	1/50(2.0)	5/50(10.0)	6/50(12.0)
Adjusted rates(b)	2.33	2.78	13.33	50.00
Terminal rates(c)	1/43(2.3)	1/36(2.8)	3/25(12.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1279			
Prevalence method(d)	P = 0.0069**			
Combined analysis(d)	P = 0.0046**			
Cochran-Armitage test(e)	P = 0.0226*			
Fisher Exact test(e)		P = 0.7525	P = 0.1022	P = 0.0559
SITE : Zymbal gland TUMOR : Zymbal gland tumor:malignant				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	4.00	100.00
Terminal rates(c)	0/43(0.0)	0/36(0.0)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0096**			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.0149*			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.0587

STUDY No. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 25

Group Name	Control	67ppm	200ppm	600ppm
SITE : Zymbal gland TUMOR : Zymbal gland tumor:benign,Zymbal gland tumor:malignant				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	0.00	0.00	4.00	100.00
Terminal rates(c)	0/43(0.0)	0/36(0.0)	1/25(4.0)	0/ 0(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0096**			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.0149*			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.0587

(HPT360A)

BAIS6

- (a): Number of tumor-bearing animals/number of animals examined at the site.
 (b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
 (c): Observed tumor incidence at terminal kill.
 (d): Beneath the control incidence are the P-values associated with the trend test.
 Standard method : Death analysis
 Prevalence method : Incidental tumor test
 Combined analysis : Death analysis + Incidental tumor test
 (e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
 ? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
 ----- : There is no data which should be statistical analysis.
 Significant difference ; * : P 0.05 ** : P 0.01
 N.C.:Statistical value cannot be calculated and was not significant.

TABLE N1

NUMBER OF ANIMALS WITH TUMORS AND
NUMBER OF TUMORS-TIME RELATED : MALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 1

Time-related Weeks	Items	Group Name	Control	67ppm	200ppm	600ppm
0 - 52	NO. OF EXAMINED ANIMALS		0	0	1	13
	NO. OF ANIMALS WITH TUMORS		0	0	1	12
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	1	7
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	5
	NO. OF BENIGN TUMORS		0	0	0	3
	NO. OF MALIGNANT TUMORS		0	0	1	14
	NO. OF TOTAL TUMORS		0	0	1	17
53 - 78	NO. OF EXAMINED ANIMALS		2	1	3	31
	NO. OF ANIMALS WITH TUMORS		2	1	3	31
	NO. OF ANIMALS WITH SINGLE TUMORS		2	1	2	6
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	1	25
	NO. OF BENIGN TUMORS		0	0	3	38
	NO. OF MALIGNANT TUMORS		2	1	2	52
	NO. OF TOTAL TUMORS		2	1	5	90
79 - 104	NO. OF EXAMINED ANIMALS		10	18	27	6
	NO. OF ANIMALS WITH TUMORS		10	18	27	6
	NO. OF ANIMALS WITH SINGLE TUMORS		2	1	1	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		8	17	26	6
	NO. OF BENIGN TUMORS		12	30	59	16
	NO. OF MALIGNANT TUMORS		7	24	37	9
	NO. OF TOTAL TUMORS		19	54	96	25
105 - 105	NO. OF EXAMINED ANIMALS		38	31	19	0
	NO. OF ANIMALS WITH TUMORS		38	31	19	0
	NO. OF ANIMALS WITH SINGLE TUMORS		8	3	3	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		30	28	16	0
	NO. OF BENIGN TUMORS		71	65	54	0
	NO. OF MALIGNANT TUMORS		11	17	17	0
	NO. OF TOTAL TUMORS		82	82	71	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrlj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	67ppm	200ppm	600ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		50	50	50	49
	NO. OF ANIMALS WITH SINGLE TUMORS		12	5	7	13
	NO. OF ANIMALS WITH MULTIPLE TUMORS		38	45	43	36
	NO. OF BENIGN TUMORS		83	95	116	57
	NO. OF MALIGNANT TUMORS		20	42	57	75
	NO. OF TOTAL TUMORS		103	137	173	132

TABLE N2

**NUMBER OF ANIMALS WITH TUMORS AND
NUMBER OF TUMORS-TIME RELATED : FEMALE**

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 3

Time-related Weeks	Items	Group Name	Control	67ppm	200ppm	600ppm
0 - 52	NO. OF EXAMINED ANIMALS		0	0	1	25
	NO. OF ANIMALS WITH TUMORS		0	0	0	25
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	0	19
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	6
	NO. OF BENIGN TUMORS		0	0	0	6
	NO. OF MALIGNANT TUMORS		0	0	0	26
	NO. OF TOTAL TUMORS		0	0	0	32
53 - 78	NO. OF EXAMINED ANIMALS		1	2	4	23
	NO. OF ANIMALS WITH TUMORS		0	1	4	23
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	2	7
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	1	2	16
	NO. OF BENIGN TUMORS		0	1	3	21
	NO. OF MALIGNANT TUMORS		0	1	4	31
	NO. OF TOTAL TUMORS		0	2	7	52
79 - 104	NO. OF EXAMINED ANIMALS		6	12	20	2
	NO. OF ANIMALS WITH TUMORS		5	11	19	2
	NO. OF ANIMALS WITH SINGLE TUMORS		3	8	6	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		2	3	13	2
	NO. OF BENIGN TUMORS		2	4	28	6
	NO. OF MALIGNANT TUMORS		5	10	16	6
	NO. OF TOTAL TUMORS		7	14	44	12
105 - 105	NO. OF EXAMINED ANIMALS		43	36	25	0
	NO. OF ANIMALS WITH TUMORS		34	21	25	0
	NO. OF ANIMALS WITH SINGLE TUMORS		24	11	6	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		10	10	19	0
	NO. OF BENIGN TUMORS		34	24	47	0
	NO. OF MALIGNANT TUMORS		11	10	12	0
	NO. OF TOTAL TUMORS		45	34	59	0

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrICrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	67ppm	200ppm	600ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		39	33	48	50
	NO. OF ANIMALS WITH SINGLE TUMORS		27	19	14	26
	NO. OF ANIMALS WITH MULTIPLE TUMORS		12	14	34	24
	NO. OF BENIGN TUMORS		36	29	78	33
	NO. OF MALIGNANT TUMORS		16	21	32	63
	NO. OF TOTAL TUMORS		52	50	110	96

TABLE O1

**HISTOPATHOLOGICAL FINDINGS :
METASTASIS OF TUMOR : MALE**

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 1

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Integumentary system/appandage}						
subcutis	metastasis:Zymbal gland tumor		<50> 0	<50> 0	<50> 1	<50> 0
{Respiratory system}						
nasal cavit	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 7
	metastasis:brain tumor		0	0	0	1
trachea	metastasis:mediastinum tumor		<50> 0	<50> 0	<50> 0	<50> 1
lung	leukemic cell infiltration		<50> 11	<50> 7	<50> 16	<50> 9
	metastasis:liver tumor		0	1	1	0
	metastasis:adrenal tumor		0	1	0	0
	metastasis:thyroid tumor		0	2	0	0
	metastasis:peritoneum tumor		0	0	0	1
	metastasis:subcutis tumor		0	1	0	0
	metastasis:bone tumor		0	0	1	0
	metastasis:mammary gland tumor		0	0	1	0
	metastasis:Zymbal gland tumor		0	2	0	3
	metastasis:skin/appendage tumor		0	0	0	1
	metastasis:pleura tumor		0	0	1	0
< a > b	a : Number of animals examined at the site b : Number of animals with lesion					

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 2

Group Name No. of Animals on Study		Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings				
{Respiratory system}					
lung	metastasis:mediastinum tumor	<50> 0	<50> 0	<50> 0	<50> 1
{Hematopoietic system}					
bone marrow	leukemic cell infiltration	<50> 4	<50> 4	<50> 8	<50> 9
	metastasis:liver tumor	0	1	0	0
	metastasis:peritoneum tumor	0	0	0	1
lymph node	leukemic cell infiltration	<50> 5	<50> 2	<50> 1	<50> 0
	metastasis:liver tumor	0	1	1	0
thymus	leukemic cell infiltration	<50> 1	<50> 0	<50> 0	<50> 2
	metastasis:mediastinum tumor	0	0	0	1
spleen	leukemic cell infiltration	<50> 0	<50> 0	<50> 1	<50> 3
	metastasis:liver tumor	0	1	0	0
	metastasis:peritoneum tumor	0	0	0	1
{Circulatory system}					
heart	leukemic cell infiltration	<50> 1	<50> 0	<50> 1	<50> 0
< a > b	a : Number of animals examined at the site b : Number of animals with lesion				

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 3

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Circulatory system}						
heart	metastasis:lung tumor		<50> 0	<50> 0	<50> 0	<50> 1
	metastasis:mediastinum tumor		0	0	0	1
{Digestive system}						
tongue	metastasis:mediastinum tumor		<50> 0	<50> 0	<50> 0	<50> 1
liver	leukemic cell infiltration		<50> 11	<50> 6	<50> 13	<50> 9
	metastasis:mediastinum tumor		0	0	0	1
pancreas	leukemic cell infiltration		<50> 1	<50> 1	<50> 3	<50> 1
	metastasis:peritoneum tumor		0	0	0	1
	metastasis:mediastinum tumor		0	0	0	1
{Urinary system}						
kidney	leukemic cell infiltration		<50> 1	<50> 0	<50> 2	<50> 2
	metastasis:liver tumor		0	1	0	0
urin bladd	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
urethra	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 3
< a > b	a : Number of animals examined at the site b : Number of animals with lesion					

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 4

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Endocrine system}						
pituitary	leukemic cell infiltration		<50> 2	<50> 0	<50> 1	<50> 4
	metastasis:liver tumor		0	1	0	0
adrenal	leukemic cell infiltration		<50> 3	<50> 0	<50> 0	<50> 2
	metastasis:liver tumor		0	1	0	0
{Reproductive system}						
prostate	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
	metastasis:peritoneum tumor		0	0	0	1
{Nervous system}						
brain	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 1
	metastasis:subcutis tumor		0	0	0	1
	metastasis:bone tumor		0	1	0	0
	metastasis:pituitary tumor		0	0	1	0
{Special sense organs/appendage}						
eye	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 2
< a > b	a : Number of animals examined at the site b : Number of animals with lesion					

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Special sense organs/appendage}						
Harder gl	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 2
Zymbal gl	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 1
{Musculoskeletal system}						
muscle	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 2
	metastasis:peritoneum tumor		0	0	0	1
{Body cavities}						
pleura	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 1
	metastasis:lung tumor		0	1	0	1
mediastinum	metastasis:lung tumor		<50> 0	<50> 0	<50> 0	<50> 1
peritoneum	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
	metastasis:pancreas tumor		0	1	0	0
< a > b	a : Number of animals examined at the site b : Number of animals with lesion					

TABLE O2

**HISTOPATHOLOGICAL FINDINGS :
METASTASIS OF TUMOR : FEMALE**

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 6

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Integumentary system/appandage}						
subcutis	metastasis:thyroid tumor		<50> 0	<50> 0	<50> 1	<50> 0
{Respiratory system}						
nasal cavit	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
lung	leukemic cell infiltration		<50> 2	<50> 6	<50> 10	<50> 1
	metastasis:uterus tumor		0	0	1	0
	metastasis:thyroid tumor		0	0	1	0
	metastasis:subcutis tumor		0	0	1	1
	metastasis:ovary tumor		1	0	0	0
	metastasis:mammary gland tumor		0	0	0	7
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<50> 1	<50> 3	<50> 1	<50> 1
	metastasis:subcutis tumor		0	0	1	0
lymph node	leukemic cell infiltration		<50> 1	<50> 0	<50> 3	<50> 0
	metastasis:thyroid tumor		0	0	1	0
	metastasis:subcutis tumor		0	0	1	1
< a > b	a : Number of animals examined at the site b : Number of animals with lesion					

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 7

Group Name No. of Animals on Study		Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings				
{Hematopoietic system}					
spleen	metastasis:uterus tumor	<50> 0	<50> 0	<50> 1	<50> 0
{Circulatory system}					
heart	leukemic cell infiltration	<50> 0	<50> 2	<50> 1	<50> 0
	metastasis:subcutis tumor	0	0	1	0
{Digestive system}					
stomach	metastasis:ovary tumor	<50> 1	<50> 0	<50> 0	<50> 0
small intes	metastasis:ovary tumor	<50> 1	<50> 0	<50> 0	<50> 0
large intes	metastasis:ovary tumor	<50> 1	<50> 0	<50> 0	<50> 0
liver	leukemic cell infiltration	<50> 2	<50> 6	<50> 10	<50> 1
	metastasis:uterus tumor	0	0	1	0
	metastasis:peritoneum tumor	0	0	1	0
pancreas	metastasis:uterus tumor	<50> 0	<50> 0	<50> 1	<50> 0
{Urinary system}					
kidney	leukemic cell infiltration	<50> 0	<50> 3	<50> 0	<50> 0

< a > a : Number of animals examined at the site
b b : Number of animals with lesion

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 8

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		0	0	1	0
urin bladd			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		0	0	1	0
	metastasis:ovary tumor		1	0	0	0
{Endocrine system}						
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	1	0
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
	metastasis:peritoneum tumor		0	0	1	0
vagina			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		1	0	0	0
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	1
	metastasis:pituitary tumor		1	0	1	0
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	1
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0877
ANIMAL : RAT F344/DuCr1Cr1j[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 9

		Group Name No. of Animals on Study	Control 50	67ppm 50	200ppm 50	600ppm 50
Organ	Findings					
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	metastasis:subcutis tumor		0	0	1	0
bone			<50>	<50>	<50>	<50>
	metastasis:subcutis tumor		0	0	1	0
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	metastasis:subcutis tumor		0	0	1	0
peritoneum	metastasis:ovary tumor		1	0	0	0
			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		0	0	1	0
	metastasis:subcutis tumor		0	0	0	1
	metastasis:ovary tumor		1	0	0	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

(JPT150)

BA1S6

TABLE P1

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																					
skin/app		<50>				<50>				<50>				<50>				<50>			
	fibrosis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell hyperplasia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell hyperplasia with atypia	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	scab	0	0	0	0	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)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	epidermal cyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
subcutis		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(4)	(0)	(0)
	foreign body granuloma	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
		<50>				<50>				<50>				<50>				<50>			
		5	0	0	0	3	0	0	0	6	1	0	0	3	0	0	0	3	0	0	0
{Respiratory system}		(10)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(12)	(2)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	nasal cavit	<50>				<50>				<50>				<50>				<50>			
	thrombus	5	0	0	0	3	0	0	0	6	1	0	0	3	0	0	0	3	0	0	0
		(10)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(12)	(2)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
		<50>				<50>				<50>				<50>				<50>			

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

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
nasal cavit	mineralization		<50>				<50>				<50>				<50>			
		16 (32)	0 (0)	0 (0)	0 (0)	15 (30)	0 (0)	0 (0)	0 (0)	14 (28)	0 (0)	0 (0)	0 (0)	15 (30)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
	eosinophilic change:olfactory epithelium	38 (76)	6 (12)	0 (0)	0 (0)	33 (66)	13 (26)	0 (0)	0 (0)	22 (44)	26 (52)	0 (0)	0 ** (0)	41 (82)	6 (12)	0 (0)	0 (0)	
	eosinophilic change:respiratory epithelium	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	
	inflammation:foreign body	8 (16)	5 (10)	0 (0)	0 (0)	7 (14)	5 (10)	1 (2)	0 (0)	15 (30)	8 (16)	1 (2)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	
	inflammation:respiratory epithelium	15 (30)	0 (0)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 * (0)	0 (0)	0 (0)	0 (0)	0 ** (0)	
	respiratory metaplasia:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
respiratory metaplasia:gland	49 (98)	0 (0)	0 (0)	0 (0)	50 (100)	0 (0)	0 (0)	0 (0)	47 (94)	0 (0)	0 (0)	0 (0)	49 (98)	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																		

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit	squamous cell metaplasia:respiratory epithelium	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	ulcer:respiratory epithelium	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
nasopharynx	inflammation:foreign body	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
larynx	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
lung	congestion	2	1	0	0	0	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0
		(4)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(4)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hemorrhage	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	3	1	0	0	0	0	0	0	3	0	0	0	8	3	0	0	16	6	0	0
		(6)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(16)	(6)	(0)	(0)	(16)	(6)	(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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
lung			<50>				<50>				<50>				<50>			
	accumulation of foamy cells		1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia		2 (4)	1 (2)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	7 (14)	9 (18)	3 (6)	0 ** (0)
	accumulation:macrophage		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
bone marrow			<50>				<50>				<50>				<50>			
	congestion		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hemorrhage		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)
	ectasia of sinus		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	3 (6)	0 (0)	0 (0)
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																					
bone marrow		<50>				<50>				<50>				<50>				<50>			
	granulation	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	increased hematopoiesis	12 (24)	4 (8)	0 (0)	0 (0)	9 (18)	2 (4)	0 (0)	0 (0)	19 (38)	2 (4)	0 (0)	0 (0)	22 (44)	2 (4)	0 (0)	0 (0)	22 (44)	2 (4)	0 (0)	0 (0)
	myelofibrosis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	granulopoiesis: increased	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
lymph node		<50>				<50>				<50>				<50>				<50>			
	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
spleen		<50>				<50>				<50>				<50>				<50>			
	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Hematopoietic system}																		
spleen			<50>				<50>				<50>				<50>			
	scar		1 (2)	2 (4)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis		19 (38)	1 (2)	1 (2)	0 (0)	17 (34)	7 (14)	3 (6)	0 (0)	10 (20)	2 (4)	7 (14)	0 (0)	13 (26)	10 (20)	10 (20)	0 ** (0)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	thrombus		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	myocardial degeneration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	myocardial fibrosis		4 (8)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:Schwann cell		2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	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													

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
oral cavity			<50>				<50>				<50>				<50>			
	inflammation		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	squamous cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	
tongue			<50>				<50>				<50>				<50>			
	ulcer		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	3 (6)	3 (6)	0 (0)	0 * (0)
salivary gl			<50>				<50>				<50>				<50>			
	atrophy		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
stomach			<50>				<50>				<50>				<50>			
	erosion: forestomach		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	ulcer: forestomach		0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	2 (4)	5 (10)	4 (8)	0 (0)	2 (4)	2 (4)	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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 8

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
stomach		<50>				<50>				<50>				<50>				<50>			
	hyperplasia:forestomach	4 (8)	1 (2)	0 (0)	0 (0)	3 (6)	1 (2)	1 (2)	0 (0)	9 (18)	1 (2)	0 (0)	0 (0)	9 (18)	5 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	ulcer:glandular stomach	1 (2)	1 (2)	0 (0)	0 (0)	2 (4)	2 (4)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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)
large intes		<50>				<50>				<50>				<50>				<50>			
	erosion	1 (2)	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)	0 (0)	0 (0)	0 (0)
	invagination	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		<50>				<50>				<50>				<50>				<50>			
	herniation	7 (14)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	5 (10)	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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference ; * : P 0.05 ** : P 0.01 Test of Chi Square

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
liver	hemorrhage		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	peliosis-like lesion		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:zonal		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	necrosis:central		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)
	necrosis:focal		0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
	cyst		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration		1 (2)	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)
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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 10

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control				67ppm				200ppm				600ppm			
			50				50				50				50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	extramedullary hematopoiesis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	clear cell focus		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	acidophilic cell focus		10 (20)	2 (4)	6 (12)	0 (0)	16 (32)	1 (2)	3 (6)	0 (0)	7 (14)	6 (12)	1 (2)	0 (0)	3 (6)	0 (0)	0 (0)	0 ** (0)
	spongiosis hepatis		7 (14)	0 (0)	0 (0)	0 (0)	6 (12)	1 (2)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	bile duct hyperplasia		45 (90)	3 (6)	0 (0)	0 (0)	41 (82)	1 (2)	0 (0)	0 (0)	39 (78)	1 (2)	0 (0)	0 * (0)	17 (34)	0 (0)	0 (0)	0 ** (0)
	bile ductular proliferation		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cholangiofibrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
focal fatty change		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	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																		

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
pancreas	atrophy		<50>				<50>				<50>				<50>			
		2 (4)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	islet cell hyperplasia		2 (4)	2 (4)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
{Urinary system}																		
kidney	necrosis:focal		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
	cyst		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	
	chronic nephropathy		34 (68)	9 (18)	0 (0)	0 (0)	32 (64)	10 (20)	2 (4)	0 (0)	24 (48)	5 (10)	1 (2)	0 *	3 (6)	0 (0)	0 (0)	
	urothelial hyperplasia:pelvis		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)	1 (2)	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													

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 12

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Urinary system}																		
kidney	eosinophilic droplet:proximal tubule		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	
urin bladd	dilatation		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration		1 (2)	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)	
		transitional cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
urethra	transitional cell hyperplasia		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
{Endocrine system}																		
pituitary	angiectasis		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	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													

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study Grade	Control				67ppm				200ppm				600ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Endocrine system}																		
pituitary			<50>				<50>				<50>				<50>			
	Rathke pouch		2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	increased lipid:cortex		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:anterior lobe		5 (10)	8 (16)	3 (6)	0 (0)	6 (12)	8 (16)	3 (6)	0 (0)	6 (12)	3 (6)	7 (14)	0 (0)	2 (4)	1 (2)	2 (4)	0 * (0)
	cystic degeneration:anterior lobe		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)
thyroid			<50>				<50>				<50>				<50>			
	ultimobranchial body remanet		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	follicular hyperplasia		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	7 (14)	1 (2)	1 (2)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	C-cell hyperplasia		11 (22)	3 (6)	1 (2)	0 (0)	9 (18)	2 (4)	4 (8)	0 (0)	9 (18)	4 (8)	2 (4)	0 (0)	2 (4)	2 (4)	1 (2)	0 (0)
parathyroid			<50>				<50>				<50>				<50>			
	hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 14

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Endocrine system}																		
adrenal	cyst		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
	extramedullary hematopoiesis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
	hyperplasia:medulla		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	focal fatty change:cortex		1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	6 (12)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	increased lipid:cortex		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
{Reproductive system}																		
testis	atrophy		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	22 (44)	0 (0)	0 (0)	0 (0)	0 ** (0)
	interstitial cell hyperplasia		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	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																		

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrI j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 15

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Reproductive system}																		
prostate	inflammatory infiltration		<50>				<50>				<50>				<50>			
		4 (8)	0 (0)	0 (0)	0 (0)	9 (18)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	
	lymphocytic infiltration		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)	
	hyperplasia		4 (8)	6 (12)	2 (4)	0 (0)	12 (24)	1 (2)	1 (2)	0 * (0)	4 (8)	3 (6)	2 (4)	0 (0)	4 (8)	0 (0)	0 (0)	0 * (0)
prep/cli gl	hyperplasia		<50>				<50>				<50>				<50>			
		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	
{Nervous system}																		
brain	thrombus		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
{Special sense organs/appendage}																		
eye	cataract		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	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													

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 16

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Special sense organs/appendage}																					
eye	retinal atrophy	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	2	0
		(0)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)
	keratitis	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	6	1	0 *
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(12)	(2)	(2)	(0)	(0)
Harder gl	inflammatory infiltration	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Musculoskeletal system}																					
muscle	necrosis:focal	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
bone	osteosclerosis	<50>				<50>				<50>				<50>				<50>			
		1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		(2)	(2)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
{Body cavities}																					
peritoneum	mesothelial hyperplasia	<50>				<50>				<50>				<50>				<50>			
		1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	1	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(2)	(0)

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

TABLE P2

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 17

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit		<50>				<50>				<50>				<50>				<50>			
	thrombus	3 (6)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	mineralization	20 (40)	0 (0)	0 (0)	0 (0)	13 (26)	0 (0)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 ** (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	eosinophilic change:olfactory epithelium	3 (6)	47 (94)	0 (0)	0 (0)	1 (2)	49 (98)	0 (0)	0 (0)	3 (6)	47 (94)	0 (0)	0 (0)	31 (62)	17 (34)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:respiratory epithelium	16 (32)	0 (0)	0 (0)	0 (0)	19 (38)	0 (0)	0 (0)	0 (0)	21 (42)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 ** (0)
	inflammation:foreign body	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammation:respiratory epithelium	8 (16)	0 (0)	0 (0)	0 (0)	10 (20)	1 (2)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 ** (0)
	respiratory metaplasia:gland	50 (100)	0 (0)	0 (0)	0 (0)	50 (100)	0 (0)	0 (0)	0 (0)	50 (100)	0 (0)	0 (0)	0 (0)	50 (100)	0 (0)	0 (0)	0 (0)	50 (100)	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																					

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 18

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
larynx	ulcer		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lung	congestion		<50>				<50>				<50>				<50>			
		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hemorrhage		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		inflammatory infiltration		3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	2 (4)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	18 (36)	0 (0)	0 (0)
	lymphocytic infiltration		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
		accumulation of foamy cells		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	2 (4)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)
	bronchiolar-alveolar cell hyperplasia		4 (8)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	2 (4)	2 (4)	0 (0)	0 (0)	5 (10)	2 (4)	1 (2)	0 (0)
		accumulation:macrophage		1 (2)	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)
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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 19

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Hematopoietic system}																		
bone marrow			<50>				<50>				<50>				<50>			
	ectasia of sinus		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	granulation		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	increased hematopoiesis		10 (20)	0 (0)	0 (0)	0 (0)	9 (18)	0 (0)	0 (0)	0 (0)	26 (52)	0 (0)	0 (0)	0 (0)	0 ** (0)	37 (74)	1 (2)	0 (0)
	myelofibrosis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	granulopoiesis:increased		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	
lymph node			<50>				<50>				<50>				<50>			
	hemorrhage		2 (4)	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)	
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 20

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50						
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)			
{Hematopoietic system}																					
thymus	inflammatory infiltration		<50>				<50>				<50>				<50>						
		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)	1 (2)	0 (0)	0 (0)	0 (0)			
spleen	hemorrhage		<50>				<50>				<50>				<50>						
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)			
	necrosis:focal		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)			
		fibrosis:focal		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)		
	extramedullary hematopoiesis			33 (66)	5 (10)	0 (0)	0 (0)	26 (52)	3 (6)	1 (2)	0 (0)	15 (30)	9 (18)	9 (18)	0 ** (0)	11 (22)	13 (26)	25 (50)	0 ** (0)		
		hyperplasia:red pulp		0 (0)	1 (2)	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)		
{Circulatory system}																					
heart	inflammatory infiltration		<50>				<50>				<50>				<50>						
		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	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																					

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 21

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Circulatory system}																		
heart	myocardial fibrosis		<50>				<50>				<50>				<50>			
		1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:Schwann cell		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}																		
oral cavity	ulcer		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)
tongue	ulcer		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
stomach	ulcer:forestomach		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	6 (12)	1 (2)	1 (2)	0 * (0)	6 (12)	3 (6)	2 (4)	0 ** (0)	

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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 22

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
stomach	hyperplasia:forestomach		<50>				<50>				<50>				<50>			
			2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	1 (2)	0 (0)	3 (6)	4 (8)	0 (0)	0 (0)
	erosion:glandular stomach		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	ulcer:glandular stomach		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	hyperplasia:glandular stomach		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
liver	herniation		<50>				<50>				<50>				<50>			
			6 (12)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)
	necrosis:central		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	1 (2)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	necrosis:focal		0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
	fatty change:central		1 (2)	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)	
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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 23

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	fatty change:peripheral		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	cyst		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		1 (2)	3 (6)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation		2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulomatous inflammation		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)	1 (2)	0 (0)	0 (0)
	extramedullary hematopoiesis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)
	clear cell focus		1 (2)	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)
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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 24

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
liver	acidophilic cell focus		8 (16)	0 (0)	1 (2)	0 (0)	2 (4)	2 (4)	1 (2)	0 (0)	4 (8)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 * (0)
	basophilic cell focus		23 (46)	1 (2)	0 (0)	0 (0)	12 (24)	3 (6)	0 (0)	0 (0)	15 (30)	4 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 ** (0)
	bile duct hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bile ductular proliferation		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cholangiofibrosis		1 (2)	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)
pancreas	atrophy		2 (4)	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)
			<50>				<50>				<50>				<50>			
{Urinary system}																		
kidney	necrosis:focal		1 (2)	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)
			<50>				<50>				<50>				<50>			
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																		

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 25

		Group Name	Control				67ppm				200ppm				600ppm			
		No. of Animals on Study	50				50				50				50			
Organ	Findings	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney	inflammatory infiltration		<50>				<50>				<50>				<50>			
			1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	scar		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	chronic nephropathy		14 (28)	2 (4)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
	tubular necrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
urin bladd	dilatation		<50>				<50>				<50>				<50>			
			1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Endocrine system}																		
pituitary	malformation		<50>				<50>				<50>				<50>			
			0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference ; * : P 0.05 ** : P 0.01 Test of Chi Square

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 26

Organ	Findings	Group Name No. of Animals on Study Grade				Control 50				67ppm 50				200ppm 50				600ppm 50			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																					
pituitary																					
	angiectasis	4 (8)	4 (8)	1 (2)	0 (0)	5 (10)	3 (6)	2 (4)	0 (0)	7 (14)	2 (4)	1 (2)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)				
	Rathke pouch	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)				
	hyperplasia:anterior lobe	5 (10)	2 (4)	1 (2)	0 (0)	4 (8)	0 (0)	2 (4)	0 (0)	5 (10)	1 (2)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)				
	hyperplasia:intermediate lobe	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)				
	cystic degeneration:anterior lobe	9 (18)	3 (6)	0 (0)	0 (0)	17 (34)	2 (4)	0 (0)	0 (0)	12 (24)	4 (8)	1 (2)	0 (0)	6 (12)	1 (2)	0 (0)	0 (0)				
thyroid																					
	follicular hyperplasia	2 (4)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)				
	C-cell hyperplasia	8 (16)	5 (10)	1 (2)	0 (0)	13 (26)	8 (16)	2 (4)	0 (0)	14 (28)	3 (6)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)				
adrenal																					
	angiectasis	14 (28)	1 (2)	0 (0)	0 (0)	5 (10)	2 (4)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	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

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 27

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Endocrine system}																		
adrenal	cyst		<50>				<50>				<50>				<50>			
			0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	degeneration:cortex		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	8 (16)	3 (6)	0 (0)	0 ** (0)
	hyperplasia:cortical cell		0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	focal fatty change:cortex		7 (14)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	7 (14)	1 (2)	1 (2)	0 (0)	8 (16)	1 (2)	0 (0)	0 (0)
	increased lipid:cortex		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
{Reproductive system}																		
ovary	cyst		<50>				<50>				<50>				<50>			
			2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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												

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 28

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Reproductive system}																		
uterus	inflammatory infiltration		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cystic endometrial hyperplasia		17 (34)	0 (0)	0 (0)	0 (0)	20 (40)	1 (2)	0 (0)	0 (0)	18 (36)	2 (4)	0 (0)	0 (0)	17 (34)	0 (0)	0 (0)	0 (0)
vagina	ulcer		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cyst		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	1 (2)	0 (0) *	1 (2)	0 (0)	0 (0)
mammary gl	hyperplasia		<50>				<50>				<50>				<50>			
		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
{Nervous system}																		
brain	hemorrhage		<50>				<50>				<50>				<50>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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																		

STUDY NO. : 0877
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 29

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				67ppm 50				200ppm 50				600ppm 50			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Special sense organs/appendage}																		
eye	cataract		<50> 2 (4) 1 (2) 0 (0) 0 (0)				<50> 3 (6) 0 (0) 0 (0) 0 (0)				<50> 1 (2) 0 (0) 0 (0) 0 (0)				<50> 4 (8) 0 (0) 0 (0) 0 (0)			
	retinal atrophy		0 (0) 0 (0) 3 (6) 0 (0)				1 (2) 0 (0) 3 (6) 0 (0)				0 (0) 0 (0) 1 (2) 0 (0)				0 (0) 0 (0) 4 (8) 0 (0)			
	keratitis		1 (2) 0 (0) 0 (0) 0 (0)				1 (2) 0 (0) 0 (0) 0 (0)				0 (0) 0 (0) 0 (0) 0 (0)				0 (0) 0 (0) 0 (0) 0 (0)			
{Musculoskeletal system}																		
bone	osteosclerosis		<50> 3 (6) 0 (0) 2 (4) 0 (0)				<50> 2 (4) 4 (8) 0 (0) 0 (0)				<50> 2 (4) 0 (0) 1 (2) 0 (0)				<50> 0 (0) 0 (0) 0 (0) 0 (0)			
{Body cavities}																		
peritoneum	fibrosis		<50> 1 (2) 0 (0) 0 (0) 0 (0)				<50> 0 (0) 0 (0) 0 (0) 0 (0)				<50> 0 (0) 0 (0) 0 (0) 0 (0)				<50> 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												

TABLE Q1

CAUSE OF DEATH : MALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
SEX : MALE

COUSE OF DEATH (SUMMARY)
(0-105W)

PAGE : 1

Group Name	Control	67ppm	200ppm	600ppm
Number of Dead and Moribund Animal	12	19	31	50
no microscop confirm	1	0	1	1
deglutition disorder	0	0	1	0
tumor d:leukemia	6	4	11	10
tumor d:skin/app	0	0	0	8
tumor d:subcutis	2	0	6	3
tumor d:lung	0	1	0	1
tumor d:spleen	0	0	1	0
tumor d:oral cavity	0	0	0	1
tumor d:small intes	0	0	2	1
tumor d:liver	0	1	1	0
tumor d:pancreas	0	2	0	0
tumor d:pituitary	3	1	0	0
tumor d:adrenal	0	1	0	0
tumor d:mammary gl	0	0	1	0
tumor d:prep/cli gl	0	1	0	2
tumor d:brain	0	2	4	2
tumor d:Zymbal gl	0	4	3	18
tumor d:bone	0	2	0	0
tumor d:mediastinum	0	0	0	1
tumor d:peritoneum	0	0	0	2

(B10120)

BA1S6

TABLE Q2

CAUSE OF DEATH : FEMALE

STUDY NO. : 0877
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
SEX : FEMALE

COUSE OF DEATH (SUMMARY)
(0-105W)

PAGE : 2

Group Name	Control	67ppm	200ppm	600ppm
Number of Dead and Moribund Animal	7	14	25	50
no microscop confirm	1	2	0	0
hepatic lesion	0	1	0	0
reproductive sy les	0	0	1	0
urinary retention	0	1	0	0
deglutition disorder	1	0	2	0
tumor d:leukemia	0	5	6	1
tumor d:skin/app	0	0	1	0
tumor d:subcutis	0	0	1	1
tumor d:liver	0	0	0	1
tumor d:pituitary	3	1	2	0
tumor d:ovary	1	0	0	0
tumor d:uterus	1	0	3	0
tumor d:vagina	0	2	0	0
tumor d:mammary gl	0	1	7	46
tumor d:prep/cli gl	0	0	1	0
tumor d:Zymbal gl	0	1	0	1
tumor d:peritoneum	0	0	1	0

(B10120)

BA1S6