

**Experiment Number:** 05160-01

**Species/Strain:** Rat/Fischer 344

**P42: Clinical Chemistry Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 13:04:10

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C61983A

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:10

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0201_01	0 ppm	Day : 3	4.6	31	614	0.7
0201_01	0 ppm	Week : 13	4.3	27	100	0.5
0201_01	0 ppm	Day : 15	4.3	35	160	0.4
0201_01	0 ppm	Day : 45	3.9	26	312	0.6
0202_01	0 ppm	Day : 3	4.7	27	251	0.6
0202_01	0 ppm	Week : 13	4.8	31	386	0.6
0202_01	0 ppm	Day : 15	4.2	27	513	0.4
0202_01	0 ppm	Day : 45	3.9	25	170	0.6
0203_01	0 ppm	Day : 3	4.3	34	188	0.7
0203_01	0 ppm	Week : 13	4.5	33	104	0.5
0203_01	0 ppm	Day : 15	4.2	28	174	0.4
0203_01	0 ppm	Day : 45	4	37	252	0.7
0204_01	0 ppm	Day : 3	4.4	34	163	0.8
0204_01	0 ppm	Week : 13	0.5*	26	65	0.4
0204_01	0 ppm	Day : 15	4.5	32	844	0.4
0204_01	0 ppm	Day : 45	3.8	33	165	0.6
0205_01	0 ppm	Day : 3	4.7	36	195	0.8
0205_01	0 ppm	Week : 13	5.3	33	152	0.4
0205_01	0 ppm	Day : 15	4.5	34	290	0.3
0205_01	0 ppm	Day : 45	4.2	41	167	0.7
0206_01	0 ppm	Day : 3	4.7	29	243	0.7
0206_01	0 ppm	Week : 13	4.9	26	148	0.6

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0206_01	0 ppm	Day : 15	4.4	31	1180	0.3
0206_01	0 ppm	Day : 45	4.8	37	163	0.8
0207_01	0 ppm	Day : 3	4.3	38	243	0.6
0207_01	0 ppm	Week : 13	5.4	32	146	0.6
0207_01	0 ppm	Day : 15	4.6	34	276	0.4
0207_01	0 ppm	Day : 45	4.8	38	575	0.6
0208_01	0 ppm	Day : 3	4.7	30	309	0.6
0208_01	0 ppm	Week : 13	4.7	35	295	0.6
0208_01	0 ppm	Day : 15	4.4	32	873	0.4
0208_01	0 ppm	Day : 45	4.8	37	472	0.8
0209_01	0 ppm	Day : 3	4.5	33	190	0.6
0209_01	0 ppm	Week : 13	5.1	28	46	0.7
0209_01	0 ppm	Day : 15		29	765	0.2
0209_01	0 ppm	Day : 45	4.4	27	256	0.6
0210_01	0 ppm	Day : 3	4.4	39	268	0.5
0210_01	0 ppm	Week : 13	5.3	29	310	0.7
0210_01	0 ppm	Day : 15	4.7	31	1116	0.3
0210_01	0 ppm	Day : 45	4.3	36	140	0.8
0221_01	33 ppm	Day : 3	4	35	180	0.5
0221_01	33 ppm	Week : 13	4.4	30	179	0.6
0221_01	33 ppm	Day : 15	4.8	31	1260	0.5
0221_01	33 ppm	Day : 45	3.5	26	184	0.4

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Species/Strain: Rat/Fischer 344

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Date Report Requested: 10/24/2014

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0222_01	33 ppm	Day : 3	3.7	37	1558	0.5
0222_01	33 ppm	Week : 13	5	40	437	0.8
0222_01	33 ppm	Day : 15	5.3	26	701	0.4
0222_01	33 ppm	Day : 45	4.1	35	299	0.6
0223_01	33 ppm	Day : 3	3.8	29	259	0.7
0223_01	33 ppm	Week : 13	4.7	29	324	0.6
0223_01	33 ppm	Day : 15	5.1	28	645	0.5
0223_01	33 ppm	Day : 45	3.7	39	184	0.6
0224_01	33 ppm	Day : 3	4	30	398	0.6
0224_01	33 ppm	Week : 13	4.9	37	165	0.5
0224_01	33 ppm	Day : 15	4.8	28	303	0.5
0224_01	33 ppm	Day : 45	4.4	38	183	0.6
0225_01	33 ppm	Day : 3	4	33	272	0.6
0225_01	33 ppm	Week : 13		36	150	0.4
0225_01	33 ppm	Day : 15	4.8	31	535	0.5
0225_01	33 ppm	Day : 45	4	37	419	0.6
0226_01	33 ppm	Day : 3	4.3	26	655	0.6
0226_01	33 ppm	Week : 13	4.7	37	194	0.7
0226_01	33 ppm	Day : 15	4.5	23	189	0.5
0226_01	33 ppm	Day : 45	4.4	27	350	0.7
0227_01	33 ppm	Day : 3	4	28	373	0.7
0227_01	33 ppm	Week : 13	4.8	35	459	0.6

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0227_01	33 ppm	Day : 15	4.4	32	2800	0.5
0227_01	33 ppm	Day : 45	4.5	45	336	0.5
0228_01	33 ppm	Day : 3	4	26	395	0.6
0228_01	33 ppm	Week : 13		31	253	0.3
0228_01	33 ppm	Day : 15	4.5	25	794	0.4
0228_01	33 ppm	Day : 45	4.7	35	323	0.7
0229_01	33 ppm	Day : 3	4.1	30	322	0.4
0229_01	33 ppm	Week : 13	4.8	32	95	0.8
0229_01	33 ppm	Day : 15	4.5	24	163	0.5
0229_01	33 ppm	Day : 45	4.8	34	472	0.6
0230_01	33 ppm	Day : 3		35	204	0.3
0230_01	33 ppm	Week : 13	4.7	30	108	0.5
0230_01	33 ppm	Day : 15	4.5	30	919	0.4
0230_01	33 ppm	Day : 45	5.2	32	302	0.5
0241_01	100 ppm	Day : 3	3.9	28	203	0.4
0241_01	100 ppm	Week : 13	4.9	32	137	0.6
0241_01	100 ppm	Day : 15	4.2	21	174	0.4
0241_01	100 ppm	Day : 45	4.4	35	462	0.7
0242_01	100 ppm	Day : 3	3.9	31	185	0.4
0242_01	100 ppm	Week : 13	4.4	33	89	0.6
0242_01	100 ppm	Day : 15	4.7	25	356	0.4
0242_01	100 ppm	Day : 45	3.8	30	184	0.7

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Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0243_01	100 ppm	Day : 3	4.5	34	813	0.4
0243_01	100 ppm	Week : 13	4.5	30	179	0.6
0243_01	100 ppm	Day : 15	4.7	25	285	0.4
0243_01	100 ppm	Day : 45	4.2	35	744	0.8
0244_01	100 ppm	Day : 3	3.9	36	467	0.4
0244_01	100 ppm	Week : 13	5	28	385	0.6
0244_01	100 ppm	Day : 15	4.4	30	791	0.3
0244_01	100 ppm	Day : 45	4.1	39	875	0.6
0245_01	100 ppm	Day : 3	4.1	31	166	0.4
0245_01	100 ppm	Week : 13		29	186	
0245_01	100 ppm	Day : 15	4.4	23	518	0.3
0245_01	100 ppm	Day : 45	4	38	311	0.7
0246_01	100 ppm	Day : 3	3.6	33	140	0.5
0246_01	100 ppm	Week : 13	4.8	32	168	0.8
0246_01	100 ppm	Day : 15	4.4	21	315	0.7
0246_01	100 ppm	Day : 45	4.5	27	938	0.4
0247_01	100 ppm	Day : 3	4.1	29	317	0.5
0247_01	100 ppm	Week : 13	4.2	28	171	0.7
0247_01	100 ppm	Day : 15	4.7	22	314	0.7
0247_01	100 ppm	Day : 45	5.5	38	350	0.3
0248_01	100 ppm	Day : 3	3.9	31	195	0.5
0248_01	100 ppm	Week : 13	5	30	118	0.6

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0248_01	100 ppm	Day : 15	4.7	23	262	0.6
0248_01	100 ppm	Day : 45	4.6	30	350	0.5
0249_01	100 ppm	Day : 3	4.1	40	168	0.5
0249_01	100 ppm	Week : 13	4.7	35	409	0.6
0249_01	100 ppm	Day : 15	5.1	23	474	0.6
0249_01	100 ppm	Day : 45	4.5	30	166	0.5
0250_01	100 ppm	Day : 3	3.8	35	685	0.5
0250_01	100 ppm	Week : 13	5.2	31	357	0.1
0250_01	100 ppm	Day : 15	4.5	22	186	0.6
0250_01	100 ppm	Day : 45	4.6	35	381	0.6
0261_01	330 ppm	Day : 3	3.8	27	156	0.5
0261_01	330 ppm	Week : 13	4.6	36	289	0.5
0261_01	330 ppm	Day : 15	3.9	25	279	0.6
0261_01	330 ppm	Day : 45	4.5	30	492	0.6
0262_01	330 ppm	Day : 3	3.6	38	354	0.5
0262_01	330 ppm	Week : 13	5	39	138	0.6
0262_01	330 ppm	Day : 15	4.2	22	253	0.5
0262_01	330 ppm	Day : 45	4.2	35	189	0.6
0263_01	330 ppm	Day : 3	4.1	23	171	0.5
0263_01	330 ppm	Week : 13	5	40	167	0.6
0263_01	330 ppm	Day : 15		29	1322	0.7
0263_01	330 ppm	Day : 45	4.6	29	250	0.5

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0264_01	330 ppm	Day : 3	3.9	31	766	0.5
0264_01	330 ppm	Week : 13	5.1	38	138	0.7
0264_01	330 ppm	Day : 15	4.7	21	201	0.5
0264_01	330 ppm	Day : 45	4.2	31	310	0.6
0265_01	330 ppm	Day : 3	3.8	30	410	0.4
0265_01	330 ppm	Week : 13	5	38	456	0.8
0265_01	330 ppm	Day : 15	4.6	18	328	0.5
0265_01	330 ppm	Day : 45	4.1	29	307	0.5
0266_01	330 ppm	Day : 3	3.7	24	362	0.4
0266_01	330 ppm	Week : 13	4.3	22	591	0.7
0266_01	330 ppm	Day : 15	4.8	17	640	0.5
0266_01	330 ppm	Day : 45	4.4	24	305	0.7
0267_01	330 ppm	Day : 3	3.7	28	1468	0.5
0267_01	330 ppm	Week : 13	4.6	26	178	0.6
0267_01	330 ppm	Day : 15	4.7	16	155	0.6
0267_01	330 ppm	Day : 45	4.1	38	343	0.7
0268_01	330 ppm	Day : 3	3.7	25	268	0.5
0268_01	330 ppm	Week : 13	4.6	33	132	0.9
0268_01	330 ppm	Day : 15	4.5	23	194	0.5
0268_01	330 ppm	Day : 45	4.3	28	434	0.7
0269_01	330 ppm	Day : 3	3.7	30	520	0.4
0269_01	330 ppm	Week : 13	4.1	25	58	0.6



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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0269_01	330 ppm	Day : 15	4.5	26	1526	0.5
0269_01	330 ppm	Day : 45	4.7	34	139	0.6
0270_01	330 ppm	Day : 3	3.7	39	301	0.5
0270_01	330 ppm	Week : 13	4.2	29	121	0.6
0270_01	330 ppm	Day : 15	4.4	22	981	0.6
0270_01	330 ppm	Day : 45	4.6	36	280	0.7
0281_01	1000 ppm	Day : 3	3.8	19	198	0.6
0281_01	1000 ppm	Week : 13	4.5	24	347	0.5
0281_01	1000 ppm	Day : 15	4.7	16	292	0.4
0281_01	1000 ppm	Day : 45	3.9	23	340	0.6
0282_01	1000 ppm	Day : 3	4.2	19	1208	0.5
0282_01	1000 ppm	Week : 13	4.7	25	144	0.6
0282_01	1000 ppm	Day : 15	4.4	15	675	0.4
0282_01	1000 ppm	Day : 45	4.3	23	284	0.6
0283_01	1000 ppm	Day : 3	4.5	20	620	0.5
0283_01	1000 ppm	Week : 13	4.8	20	275	0.5
0283_01	1000 ppm	Day : 15	4.5	18	1282	0.4
0283_01	1000 ppm	Day : 45	4.2	20	294	0.6
0284_01	1000 ppm	Day : 3	4.3	19	199	0.5
0284_01	1000 ppm	Week : 13	5	21	151	0.5
0284_01	1000 ppm	Day : 15	4.5	17	1186	0.4
0284_01	1000 ppm	Day : 45	4.4	18	412	0.6

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Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0285_01	1000 ppm	Day : 3	4.4	22	182	0.5
0285_01	1000 ppm	Week : 13	4.9	20	171	0.5
0285_01	1000 ppm	Day : 15	4.8	15	359	0.3
0285_01	1000 ppm	Day : 45	4.1	21	160	0.5
0286_01	1000 ppm	Day : 3	3.4	16	150	0.5
0286_01	1000 ppm	Week : 13	4.6	20	98	0.6
0286_01	1000 ppm	Day : 15	4.3	15	776	0.3
0286_01	1000 ppm	Day : 45	4.7	17	183	0.7
0287_01	1000 ppm	Day : 3	3.6	17	161	0.5
0287_01	1000 ppm	Week : 13	5.1	20	191	0.6
0287_01	1000 ppm	Day : 15		17	1190	0.4
0287_01	1000 ppm	Day : 45	4.6	18	155	0.6
0288_01	1000 ppm	Day : 3	3.8	18	181	0.5
0288_01	1000 ppm	Week : 13	5	26	271	0.6
0288_01	1000 ppm	Day : 15	3.7	17	615	0.4
0288_01	1000 ppm	Day : 45	4.3	18	342	0.8
0289_01	1000 ppm	Day : 3	3.8	18	276	0.5
0289_01	1000 ppm	Week : 13	5.2	24	422	1
0289_01	1000 ppm	Day : 15	3.8	13	436	0.3
0289_01	1000 ppm	Day : 45	4.6	21	165	0.6
0290_01	1000 ppm	Day : 3	3.7	20	954	0.5
0290_01	1000 ppm	Week : 13	5	21	188	0.6

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Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

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**MALE**


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Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0290_01	1000 ppm	Day : 15	4	17	375	0.3
0290_01	1000 ppm	Day : 45	4.3	18	111	0.7
0301_01	3300 ppm	Day : 3	3.8	20	274	0.5
0301_01	3300 ppm	Week : 13	4.3	9	127	0.6
0301_01	3300 ppm	Day : 15	3.6	7	303	0.3
0301_01	3300 ppm	Day : 45	3.9	12	251	0.6
0302_01	3300 ppm	Day : 3	3.9	12	525	0.6
0302_01	3300 ppm	Week : 13	4.7	7	155	0.7
0302_01	3300 ppm	Day : 15	4	7	529	0.4
0302_01	3300 ppm	Day : 45	4.1	11	442	0.6
0303_01	3300 ppm	Day : 3	4.2	16	607	0.5
0303_01	3300 ppm	Week : 13	4.7	10	109	0.7
0303_01	3300 ppm	Day : 15	4.1	6	786	0.3
0303_01	3300 ppm	Day : 45	4.1	12	404	0.6
0304_01	3300 ppm	Day : 3	3.9	16	141	0.5
0304_01	3300 ppm	Week : 13	4.6	8	176	0.8
0304_01	3300 ppm	Day : 15	4.2	6	389	0.3
0304_01	3300 ppm	Day : 45	4.3	10	113	0.7
0305_01	3300 ppm	Day : 3	4	13	943	0.6
0305_01	3300 ppm	Week : 13	4.2	10	141	0.7
0305_01	3300 ppm	Day : 15	4.1	8	1654	0.4
0305_01	3300 ppm	Day : 45	4.5	8	171	0.7

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First Dose M/F: NA / NA

Lab: NA

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**MALE**


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Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0306_01	3300 ppm	Day : 3	4.2	24	268	0.6
0306_01	3300 ppm	Week : 13	4.5	10	136	0.6
0306_01	3300 ppm	Day : 15	3.7	6	360	0.2
0306_01	3300 ppm	Day : 45	4.2	11	709	0.6
0307_01	3300 ppm	Day : 3	4.1	15	519	0.5
0307_01	3300 ppm	Week : 13	4.6	13	125	0.6
0307_01	3300 ppm	Day : 15	3.9	10	172	0.3
0307_01	3300 ppm	Day : 45	4.5	9	309	0.8
0308_01	3300 ppm	Day : 3	3.9	10	170	0.5
0308_01	3300 ppm	Week : 13	4.8	27	269	0.6
0308_01	3300 ppm	Day : 15	4.1	5	159	0.4
0308_01	3300 ppm	Day : 45	4.7	10	287	0.7
0309_01	3300 ppm	Day : 3	4	14	156	0.5
0309_01	3300 ppm	Week : 13	5	13	115	0.5
0309_01	3300 ppm	Day : 15	4	4	879	0.4
0309_01	3300 ppm	Day : 45	4.7	12	278	0.6
0310_01	3300 ppm	Day : 3			838	
0310_01	3300 ppm	Week : 13	4.5	11	184	0.5
0310_01	3300 ppm	Day : 15	3.9	4	563	0.4
0310_01	3300 ppm	Day : 45	5	10	186	0.8
0311_01	3300 ppm	Day : 3	3.9	17	380	0.5
0311_01	3300 ppm	Week : 13	4.8	5	138	0.4

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Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0311_01	3300 ppm	Day : 15	4.6	12	822	0.7
0311_01	3300 ppm	Day : 45	5.2	8	155	0.5
0312_01	3300 ppm	Day : 3	4.2	21	187	0.5
0312_01	3300 ppm	Week : 13	4.9	7	130	0.6
0312_01	3300 ppm	Day : 15	5	7	191	0.7
0312_01	3300 ppm	Day : 45	5.4	9	127	0.6
0313_01	3300 ppm	Day : 3	4.3	22	179	0.4
0313_01	3300 ppm	Week : 13	4.9	7	448	0.6
0313_01	3300 ppm	Day : 15	4.9	6	318	0.7
0313_01	3300 ppm	Day : 45	5.1	11	101	0.6
0314_01	3300 ppm	Day : 3	4.2	18	153	0.4
0314_01	3300 ppm	Week : 13	4.8	13	131	0.6
0314_01	3300 ppm	Day : 15	5	7	267	0.6
0314_01	3300 ppm	Day : 45	5.1	14	122	0.5
0315_01	3300 ppm	Day : 3	4.2	14	157	0.5
0315_01	3300 ppm	Week : 13	5.2	12	723	0.6
0315_01	3300 ppm	Day : 15	5.1	4	264	0.6
0315_01	3300 ppm	Day : 45	4.9	10	362	0.7
0316_01	3300 ppm	Day : 3	4.4	15	431	0.5
0316_01	3300 ppm	Week : 13	5	8	147	0.7
0316_01	3300 ppm	Day : 15	4.9	7	186	0.5
0316_01	3300 ppm	Day : 45	4.7	12	145	0.4

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P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0317_01	3300 ppm	Day : 3	4.5	19	149	0.5
0317_01	3300 ppm	Week : 13	5.8	7	259	0.7
0317_01	3300 ppm	Day : 15	4.9	6	134	0.6
0317_01	3300 ppm	Day : 45	5.2	5	125	0.6
0318_01	3300 ppm	Day : 3	4.4	17	322	0.5
0318_01	3300 ppm	Week : 13	6	13	428	0.9
0318_01	3300 ppm	Day : 15	5	5	149	0.7
0318_01	3300 ppm	Day : 45	4.5	8	412	0.6
0319_01	3300 ppm	Day : 3	4.3	11	255	0.6
0319_01	3300 ppm	Week : 13	5.2		114	0.7
0319_01	3300 ppm	Day : 15	5	8	378	0.7
0319_01	3300 ppm	Day : 45	4.4	12	127	0.5
0320_01	3300 ppm	Day : 3	4.2	15	300	0.5
0320_01	3300 ppm	Week : 13	5.1	10	264	0.6
0320_01	3300 ppm	Day : 15	5.1	4	252	0.6
0320_01	3300 ppm	Day : 45	4.7	11	188	0.5

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0201_01	0 ppm	Day : 3		14
0201_01	0 ppm	Week : 13		17
0201_01	0 ppm	Day : 15		15
0201_01	0 ppm	Day : 45		28
0202_01	0 ppm	Day : 3	1	20
0202_01	0 ppm	Week : 13		18
0202_01	0 ppm	Day : 15		17
0202_01	0 ppm	Day : 45		22
0203_01	0 ppm	Day : 3	4	12
0203_01	0 ppm	Week : 13		18
0203_01	0 ppm	Day : 15		8
0203_01	0 ppm	Day : 45		21
0204_01	0 ppm	Day : 3	3	11
0204_01	0 ppm	Week : 13		19
0204_01	0 ppm	Day : 15		19
0204_01	0 ppm	Day : 45		36
0205_01	0 ppm	Day : 3	2	13
0205_01	0 ppm	Week : 13		26
0205_01	0 ppm	Day : 15		20
0205_01	0 ppm	Day : 45		31
0206_01	0 ppm	Day : 3	7	
0206_01	0 ppm	Week : 13		26

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0206_01	0 ppm	Day : 15		13
0206_01	0 ppm	Day : 45		24
0207_01	0 ppm	Day : 3	1	13
0207_01	0 ppm	Week : 13		28
0207_01	0 ppm	Day : 15		
0207_01	0 ppm	Day : 45		17
0208_01	0 ppm	Day : 3	1	15
0208_01	0 ppm	Week : 13		18
0208_01	0 ppm	Day : 15		17
0208_01	0 ppm	Day : 45		23
0209_01	0 ppm	Day : 3	1	16
0209_01	0 ppm	Week : 13		16
0209_01	0 ppm	Day : 15		34
0209_01	0 ppm	Day : 45		20
0210_01	0 ppm	Day : 3	1	11
0210_01	0 ppm	Week : 13		15
0210_01	0 ppm	Day : 15		38
0210_01	0 ppm	Day : 45		24
0221_01	33 ppm	Day : 3		13
0221_01	33 ppm	Week : 13		15
0221_01	33 ppm	Day : 15		13
0221_01	33 ppm	Day : 45		16



Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0222_01	33 ppm	Day : 3	1	14
0222_01	33 ppm	Week : 13		19
0222_01	33 ppm	Day : 15		14
0222_01	33 ppm	Day : 45		23
0223_01	33 ppm	Day : 3	2	13
0223_01	33 ppm	Week : 13		18
0223_01	33 ppm	Day : 15		14
0223_01	33 ppm	Day : 45		30
0224_01	33 ppm	Day : 3	2	13
0224_01	33 ppm	Week : 13		26
0224_01	33 ppm	Day : 15		16
0224_01	33 ppm	Day : 45		26
0225_01	33 ppm	Day : 3	2	24
0225_01	33 ppm	Week : 13		36
0225_01	33 ppm	Day : 15		16
0225_01	33 ppm	Day : 45		26
0226_01	33 ppm	Day : 3	2	12
0226_01	33 ppm	Week : 13		21
0226_01	33 ppm	Day : 15		13
0226_01	33 ppm	Day : 45		20
0227_01	33 ppm	Day : 3	1	16
0227_01	33 ppm	Week : 13		19

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0227_01	33 ppm	Day : 15		12
0227_01	33 ppm	Day : 45		24
0228_01	33 ppm	Day : 3	1	12
0228_01	33 ppm	Week : 13		21
0228_01	33 ppm	Day : 15		12
0228_01	33 ppm	Day : 45		21
0229_01	33 ppm	Day : 3	3	18
0229_01	33 ppm	Week : 13		17
0229_01	33 ppm	Day : 15		14
0229_01	33 ppm	Day : 45		21
0230_01	33 ppm	Day : 3	1	14
0230_01	33 ppm	Week : 13		15
0230_01	33 ppm	Day : 15		13
0230_01	33 ppm	Day : 45		16
0241_01	100 ppm	Day : 3	2	13
0241_01	100 ppm	Week : 13		18
0241_01	100 ppm	Day : 15		13
0241_01	100 ppm	Day : 45		22
0242_01	100 ppm	Day : 3	2	15
0242_01	100 ppm	Week : 13		19
0242_01	100 ppm	Day : 15		14
0242_01	100 ppm	Day : 45		19

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0243_01	100 ppm	Day : 3		13
0243_01	100 ppm	Week : 13		15
0243_01	100 ppm	Day : 15		13
0243_01	100 ppm	Day : 45		24
0244_01	100 ppm	Day : 3	2	13
0244_01	100 ppm	Week : 13		14
0244_01	100 ppm	Day : 15		13
0244_01	100 ppm	Day : 45		26
0245_01	100 ppm	Day : 3		14
0245_01	100 ppm	Week : 13		28
0245_01	100 ppm	Day : 15		13
0245_01	100 ppm	Day : 45		24
0246_01	100 ppm	Day : 3		14
0246_01	100 ppm	Week : 13		25
0246_01	100 ppm	Day : 15		13
0246_01	100 ppm	Day : 45		26
0247_01	100 ppm	Day : 3		12
0247_01	100 ppm	Week : 13		18
0247_01	100 ppm	Day : 15		14
0247_01	100 ppm	Day : 45		28
0248_01	100 ppm	Day : 3	1	14
0248_01	100 ppm	Week : 13		17

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0248_01	100 ppm	Day : 15		13
0248_01	100 ppm	Day : 45		15
0249_01	100 ppm	Day : 3	1	16
0249_01	100 ppm	Week : 13		19
0249_01	100 ppm	Day : 15		14
0249_01	100 ppm	Day : 45		18
0250_01	100 ppm	Day : 3	3	15
0250_01	100 ppm	Week : 13		18
0250_01	100 ppm	Day : 15		14
0250_01	100 ppm	Day : 45		17
0261_01	330 ppm	Day : 3	2	18
0261_01	330 ppm	Week : 13		20
0261_01	330 ppm	Day : 15		13
0261_01	330 ppm	Day : 45		16
0262_01	330 ppm	Day : 3	2	17
0262_01	330 ppm	Week : 13		17
0262_01	330 ppm	Day : 15		12
0262_01	330 ppm	Day : 45		18
0263_01	330 ppm	Day : 3		14
0263_01	330 ppm	Week : 13		20
0263_01	330 ppm	Day : 15		16
0263_01	330 ppm	Day : 45		17

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0264_01	330 ppm	Day : 3		14
0264_01	330 ppm	Week : 13		21
0264_01	330 ppm	Day : 15		12
0264_01	330 ppm	Day : 45		20
0265_01	330 ppm	Day : 3	3	12
0265_01	330 ppm	Week : 13		15
0265_01	330 ppm	Day : 15		12
0265_01	330 ppm	Day : 45		21
0266_01	330 ppm	Day : 3	2	10
0266_01	330 ppm	Week : 13		13
0266_01	330 ppm	Day : 15		13
0266_01	330 ppm	Day : 45		16
0267_01	330 ppm	Day : 3	2	15
0267_01	330 ppm	Week : 13		15
0267_01	330 ppm	Day : 15		14
0267_01	330 ppm	Day : 45		21
0268_01	330 ppm	Day : 3	2	12
0268_01	330 ppm	Week : 13		24
0268_01	330 ppm	Day : 15		15
0268_01	330 ppm	Day : 45		17
0269_01	330 ppm	Day : 3	3	12
0269_01	330 ppm	Week : 13		16

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0269_01	330 ppm	Day : 15		19
0269_01	330 ppm	Day : 45		20
0270_01	330 ppm	Day : 3		17
0270_01	330 ppm	Week : 13		19
0270_01	330 ppm	Day : 15		13
0270_01	330 ppm	Day : 45		21
0281_01	1000 ppm	Day : 3	1	13
0281_01	1000 ppm	Week : 13		16
0281_01	1000 ppm	Day : 15		13
0281_01	1000 ppm	Day : 45		20
0282_01	1000 ppm	Day : 3	1	14
0282_01	1000 ppm	Week : 13		32
0282_01	1000 ppm	Day : 15		16
0282_01	1000 ppm	Day : 45		22
0283_01	1000 ppm	Day : 3	1	17
0283_01	1000 ppm	Week : 13		18
0283_01	1000 ppm	Day : 15		19
0283_01	1000 ppm	Day : 45		18
0284_01	1000 ppm	Day : 3	1	15
0284_01	1000 ppm	Week : 13		21
0284_01	1000 ppm	Day : 15		
0284_01	1000 ppm	Day : 45		16

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0285_01	1000 ppm	Day : 3	2	15
0285_01	1000 ppm	Week : 13		20
0285_01	1000 ppm	Day : 15		13
0285_01	1000 ppm	Day : 45		20
0286_01	1000 ppm	Day : 3	3	10
0286_01	1000 ppm	Week : 13		18
0286_01	1000 ppm	Day : 15		
0286_01	1000 ppm	Day : 45		20
0287_01	1000 ppm	Day : 3	4	12
0287_01	1000 ppm	Week : 13		14
0287_01	1000 ppm	Day : 15		19
0287_01	1000 ppm	Day : 45		17
0288_01	1000 ppm	Day : 3	3	13
0288_01	1000 ppm	Week : 13		15
0288_01	1000 ppm	Day : 15		15
0288_01	1000 ppm	Day : 45		25
0289_01	1000 ppm	Day : 3	3	11
0289_01	1000 ppm	Week : 13		22
0289_01	1000 ppm	Day : 15		16
0289_01	1000 ppm	Day : 45		24
0290_01	1000 ppm	Day : 3	4	13
0290_01	1000 ppm	Week : 13		16

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0290_01	1000 ppm	Day : 15		15
0290_01	1000 ppm	Day : 45		22
0301_01	3300 ppm	Day : 3	3	27
0301_01	3300 ppm	Week : 13		15
0301_01	3300 ppm	Day : 15		12
0301_01	3300 ppm	Day : 45		24
0302_01	3300 ppm	Day : 3	3	24
0302_01	3300 ppm	Week : 13		16
0302_01	3300 ppm	Day : 15		13
0302_01	3300 ppm	Day : 45		16
0303_01	3300 ppm	Day : 3	3	19
0303_01	3300 ppm	Week : 13		20
0303_01	3300 ppm	Day : 15		14
0303_01	3300 ppm	Day : 45		15
0304_01	3300 ppm	Day : 3	2	21
0304_01	3300 ppm	Week : 13		18
0304_01	3300 ppm	Day : 15		13
0304_01	3300 ppm	Day : 45		17
0305_01	3300 ppm	Day : 3		20
0305_01	3300 ppm	Week : 13		17
0305_01	3300 ppm	Day : 15		18
0305_01	3300 ppm	Day : 45		17



Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0306_01	3300 ppm	Day : 3	1	26
0306_01	3300 ppm	Week : 13		18
0306_01	3300 ppm	Day : 15		11
0306_01	3300 ppm	Day : 45		11
0307_01	3300 ppm	Day : 3	2	19
0307_01	3300 ppm	Week : 13		17
0307_01	3300 ppm	Day : 15		13
0307_01	3300 ppm	Day : 45		14
0308_01	3300 ppm	Day : 3	3	14
0308_01	3300 ppm	Week : 13		34
0308_01	3300 ppm	Day : 15		15
0308_01	3300 ppm	Day : 45		26
0309_01	3300 ppm	Day : 3	2	23
0309_01	3300 ppm	Week : 13		17
0309_01	3300 ppm	Day : 15		13
0309_01	3300 ppm	Day : 45		15
0310_01	3300 ppm	Day : 3		40
0310_01	3300 ppm	Week : 13		17
0310_01	3300 ppm	Day : 15		15
0310_01	3300 ppm	Day : 45		24
0311_01	3300 ppm	Day : 3	1	12
0311_01	3300 ppm	Week : 13		14

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:12

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0311_01	3300 ppm	Day : 15		19
0311_01	3300 ppm	Day : 45		16
0312_01	3300 ppm	Day : 3	3	13
0312_01	3300 ppm	Week : 13		24
0312_01	3300 ppm	Day : 15		17
0312_01	3300 ppm	Day : 45		20
0313_01	3300 ppm	Day : 3	2	28
0313_01	3300 ppm	Week : 13		11
0313_01	3300 ppm	Day : 15		17
0313_01	3300 ppm	Day : 45		16
0314_01	3300 ppm	Day : 3	2	12
0314_01	3300 ppm	Week : 13		17
0314_01	3300 ppm	Day : 15		14
0314_01	3300 ppm	Day : 45		20
0315_01	3300 ppm	Day : 3	4	20
0315_01	3300 ppm	Week : 13		14
0315_01	3300 ppm	Day : 15		16
0315_01	3300 ppm	Day : 45		24
0316_01	3300 ppm	Day : 3	2	21
0316_01	3300 ppm	Week : 13		14
0316_01	3300 ppm	Day : 15		15
0316_01	3300 ppm	Day : 45		12

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0317_01	3300 ppm	Day : 3	5	14
0317_01	3300 ppm	Week : 13		16
0317_01	3300 ppm	Day : 15		15
0317_01	3300 ppm	Day : 45		21
0318_01	3300 ppm	Day : 3	2	16
0318_01	3300 ppm	Week : 13		20
0318_01	3300 ppm	Day : 15		15
0318_01	3300 ppm	Day : 45		24
0319_01	3300 ppm	Day : 3	3	13
0319_01	3300 ppm	Week : 13		28
0319_01	3300 ppm	Day : 15		15
0319_01	3300 ppm	Day : 45		22
0320_01	3300 ppm	Day : 3		11
0320_01	3300 ppm	Week : 13		22
0320_01	3300 ppm	Day : 15		16
0320_01	3300 ppm	Day : 45		30

Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0211_01	0 ppm	Day : 3	4.6	28	138	0.5
0211_01	0 ppm	Week : 13	4.9	35	463	0.6
0211_01	0 ppm	Day : 15	5	31	708	0.7
0211_01	0 ppm	Day : 45	4.8	23	139	0.4
0212_01	0 ppm	Day : 3	4.8	27	253	0.5
0212_01	0 ppm	Week : 13	5.1	30	193	0.7
0212_01	0 ppm	Day : 15	4.8	11	145	0.5
0212_01	0 ppm	Day : 45	5.3	24	173	0.4
0213_01	0 ppm	Day : 3	4.8	27	130	0.6
0213_01	0 ppm	Week : 13	5.1	29	191	0.6
0213_01	0 ppm	Day : 15	4.9	26	257	0.6
0213_01	0 ppm	Day : 45	5.5	17	264	0.6
0214_01	0 ppm	Day : 3	4.6	26	388	0.5
0214_01	0 ppm	Week : 13	5.1*	31	120	0.6
0214_01	0 ppm	Day : 15	5.1	19	782	0.6
0214_01	0 ppm	Day : 45	4.9	31	164	0.4
0215_01	0 ppm	Day : 3	5.2	35	827	0.5
0215_01	0 ppm	Week : 13	5	35	85	0.6
0215_01	0 ppm	Day : 15	4.9	21	166	0.7
0215_01	0 ppm	Day : 45	5.4	24	143	0.4
0216_01	0 ppm	Day : 3	4.5	30	348	0.5
0216_01	0 ppm	Week : 13	4.7	21	352	0.5

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0216_01	0 ppm	Day : 15	4.4	19	166	0.5
0216_01	0 ppm	Day : 45	4.7	29	161	0.5
0217_01	0 ppm	Day : 3	4.8	26	128	0.7
0217_01	0 ppm	Week : 13	5	25	135	0.5
0217_01	0 ppm	Day : 15	4.8	24	279	0.5
0217_01	0 ppm	Day : 45	5.3	31	127	0.5
0218_01	0 ppm	Day : 3	4.7	27	488	0.7
0218_01	0 ppm	Week : 13	5.3	23	92	0.5
0218_01	0 ppm	Day : 15	4.5	27	131	0.5
0218_01	0 ppm	Day : 45	5	24	322	0.6
0219_01	0 ppm	Day : 3	4.3	27	159	0.6
0219_01	0 ppm	Week : 13	5.4	24	115	0.5
0219_01	0 ppm	Day : 15	4.9	22	139	0.6
0219_01	0 ppm	Day : 45	5.3	25	344	0.5
0220_01	0 ppm	Day : 3	5	32	615	0.7
0220_01	0 ppm	Week : 13	5.1	26	110	0.6
0220_01	0 ppm	Day : 15	4.5	31	285	0.5
0220_01	0 ppm	Day : 45	5.3	26	137	0.6
0231_01	33 ppm	Day : 3	4	27	696	0.6
0231_01	33 ppm	Week : 13	4.7	26	251	0.5
0231_01	33 ppm	Day : 15	4.7	23	158	0.5
0231_01	33 ppm	Day : 45	4.4	22	176	0.4

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0232_01	33 ppm	Day : 3	4.4	30	706	0.5
0232_01	33 ppm	Week : 13	4.8	40	271	0.6
0232_01	33 ppm	Day : 15	4.4	24	183	0.5
0232_01	33 ppm	Day : 45	5	21	92	0.4
0233_01	33 ppm	Day : 3	4.3	26	301	0.5
0233_01	33 ppm	Week : 13	5	31	87	0.7
0233_01	33 ppm	Day : 15	5	22	202	0.6
0233_01	33 ppm	Day : 45	5.1	16	106	0.3
0234_01	33 ppm	Day : 3	4.1	29	654	0.6
0234_01	33 ppm	Week : 13	4.9	34	118	0.6
0234_01	33 ppm	Day : 15	4.6	25	190	0.6
0234_01	33 ppm	Day : 45	5	30	109	0.3
0235_01	33 ppm	Day : 3	4.4	31	430	0.5
0235_01	33 ppm	Week : 13		20	147	
0235_01	33 ppm	Day : 15	4.9	25	186	0.4
0235_01	33 ppm	Day : 45	4.5	25	205	0.3
0236_01	33 ppm	Day : 3	4	23	142	0.5
0236_01	33 ppm	Week : 13	4.7	36	130	0.6
0236_01	33 ppm	Day : 15	4.6	28	342	0.7
0236_01	33 ppm	Day : 45	4.5	22	290	0.3
0237_01	33 ppm	Day : 3	4.5	34	518	0.6
0237_01	33 ppm	Week : 13	4.5	45	109	0.7

Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0237_01	33 ppm	Day : 15	4.1	25	1122	0.5
0237_01	33 ppm	Day : 45	5.2	28	158	0.3
0238_01	33 ppm	Day : 3	4.5	31	305	0.6
0238_01	33 ppm	Week : 13	5.6	37	131	0.6
0238_01	33 ppm	Day : 15		29	980	0.3
0238_01	33 ppm	Day : 45	4.9	22	162	0.5
0239_01	33 ppm	Day : 3	4.4	28	155	0.6
0239_01	33 ppm	Week : 13	1.1	41	171	0.5
0239_01	33 ppm	Day : 15	4.9	28	183	0.4
0239_01	33 ppm	Day : 45	4.6	35	404	0.4
0240_01	33 ppm	Day : 3	4.2	24	255	0.5
0240_01	33 ppm	Week : 13	5.1	45	720	0.8
0240_01	33 ppm	Day : 15	4.8	28	412	0.5
0240_01	33 ppm	Day : 45	4.4	22	302	0.4
0251_01	100 ppm	Day : 3	4.2	21	202	0.5
0251_01	100 ppm	Week : 13	5.1	29	80	0.6
0251_01	100 ppm	Day : 15	4.8	21	251	0.5
0251_01	100 ppm	Day : 45	4.6	16	133	0.4
0252_01	100 ppm	Day : 3	4.3	22	1280	0.5
0252_01	100 ppm	Week : 13	4.9	33	124	0.6
0252_01	100 ppm	Day : 15	5.2	25	262	0.5
0252_01	100 ppm	Day : 45	4.5	19	84	0.4

Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0253_01	100 ppm	Day : 3	4.5	20	125	0.5
0253_01	100 ppm	Week : 13	4.8	27	96	0.1
0253_01	100 ppm	Day : 15	4.8	23	265	0.4
0253_01	100 ppm	Day : 45	4.6	26	137	0.4
0254_01	100 ppm	Day : 3	4.4	22	171	0.6
0254_01	100 ppm	Week : 13	5	38	355	0.8
0254_01	100 ppm	Day : 15	4.5	24	415	0.5
0254_01	100 ppm	Day : 45	5	20	148	0.4
0255_01	100 ppm	Day : 3	4.4	24	489	0.6
0255_01	100 ppm	Week : 13	4.4	20	93	0.5
0255_01	100 ppm	Day : 15	4.6	27	302	0.4
0255_01	100 ppm	Day : 45	4.7	30	168	0.4
0256_01	100 ppm	Day : 3	4.1	20	172	0.6
0256_01	100 ppm	Week : 13	4.7	26	174	0.5
0256_01	100 ppm	Day : 15	4.2	24	330	0.7
0256_01	100 ppm	Day : 45	4.4	22		0.7
0257_01	100 ppm	Day : 3	4.4	22	131	0.6
0257_01	100 ppm	Week : 13	5.1	23	157	0.7
0257_01	100 ppm	Day : 15	4.4	22	185	0.7
0257_01	100 ppm	Day : 45	4.7	22		0.8
0258_01	100 ppm	Day : 3	4.4	32	3484	0.7
0258_01	100 ppm	Week : 13	4.8	30	258	0.7



Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0258_01	100 ppm	Day : 15	4.5	26	187	0.7
0258_01	100 ppm	Day : 45	4.8	23		0.36
0259_01	100 ppm	Day : 3	4.4	24	345	0.6
0259_01	100 ppm	Week : 13	5.6	36	111	0.7
0259_01	100 ppm	Day : 15	4.3	25	469	0.6
0259_01	100 ppm	Day : 45	5	20		0.5
0260_01	100 ppm	Day : 3	4.2	16	298	0.6
0260_01	100 ppm	Week : 13	5.9	24	155	0.6
0260_01	100 ppm	Day : 15	4.3	21	186	0.6
0260_01	100 ppm	Day : 45	4.4	17		0.5
0271_01	330 ppm	Day : 3	3.9	18	465	0.6
0271_01	330 ppm	Week : 13	5	19	162	0.6
0271_01	330 ppm	Day : 15	4	16	146	0.6
0271_01	330 ppm	Day : 45	4.5	22	575	0.6
0272_01	330 ppm	Day : 3	4.3	16	294	0.5
0272_01	330 ppm	Week : 13	5.1	26	179	0.5
0272_01	330 ppm	Day : 15	4	17	280	0.6
0272_01	330 ppm	Day : 45	4.6	25	194	0.4
0273_01	330 ppm	Day : 3	4.4	27	1168	0.6
0273_01	330 ppm	Week : 13	4.9	22	186	0.6
0273_01	330 ppm	Day : 15	4.5	24	258	0.5
0273_01	330 ppm	Day : 45	5.1	20	134	0.6

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0274_01	330 ppm	Day : 3	4.7	24	318	0.4
0274_01	330 ppm	Week : 13	5	25	159	0.7
0274_01	330 ppm	Day : 15	4.3	19	133	0.6
0274_01	330 ppm	Day : 45	5.3	21	264	0.5
0275_01	330 ppm	Day : 3	4.5	20	498	0.3
0275_01	330 ppm	Week : 13	4.8	24	111	0.8
0275_01	330 ppm	Day : 15	4.2	16	689	0.5
0275_01	330 ppm	Day : 45	4.9	24	263	0.6
0276_01	330 ppm	Day : 3	4.1	18	150	0.3
0276_01	330 ppm	Week : 13	4.8	22	100	0.7
0276_01	330 ppm	Day : 15	4.1	13	188	0.4
0276_01	330 ppm	Day : 45	5.2	19		0.4
0277_01	330 ppm	Day : 3	4.2	22	374	0.5
0277_01	330 ppm	Week : 13	5.1	25	264	0.6
0277_01	330 ppm	Day : 15	4.4	21	559	0.4
0277_01	330 ppm	Day : 45	5.1	22		0.5
0278_01	330 ppm	Day : 3	4.8	20	864	0.5
0278_01	330 ppm	Week : 13	4.8	33	260	0.8
0278_01	330 ppm	Day : 15	4.7	23	474	0.5
0278_01	330 ppm	Day : 45	4.8	37		0.5
0279_01	330 ppm	Day : 3	4.4	21	168	0.4
0279_01	330 ppm	Week : 13	5.2	19	179	0.6

Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0279_01	330 ppm	Day : 15	4.3	20	148	0.6
0279_01	330 ppm	Day : 45	5.1	25		0.5
0280_01	330 ppm	Day : 3	5	35	3008	0.4
0280_01	330 ppm	Week : 13	5.4	23	176	0.7
0280_01	330 ppm	Day : 15		20	306	0.5
0280_01	330 ppm	Day : 45	4.8	16		0.5
0291_01	1000 ppm	Day : 3	4.6	14	676	0.6
0291_01	1000 ppm	Week : 13	4.8	14	104	0.6
0291_01	1000 ppm	Day : 15	4.7	9	599	0.5
0291_01	1000 ppm	Day : 45	5	15	336	0.4
0292_01	1000 ppm	Day : 3	4.6	9	113	0.7
0292_01	1000 ppm	Week : 13	4.7	18	87	0.7
0292_01	1000 ppm	Day : 15	4.6	13	402	0.5
0292_01	1000 ppm	Day : 45	5.2	16	312	0.4
0293_01	1000 ppm	Day : 3	4.6	16	157	0.6
0293_01	1000 ppm	Week : 13	5.2	21	129	0.8
0293_01	1000 ppm	Day : 15	4.8	15	119	0.5
0293_01	1000 ppm	Day : 45	5.1	15	187	0.4
0294_01	1000 ppm	Day : 3	4.5	15	451	0.7
0294_01	1000 ppm	Week : 13		20	171	
0294_01	1000 ppm	Day : 15		13	174	0.4
0294_01	1000 ppm	Day : 45	4.7	15	127	0.4

Experiment Number: 05160-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0295_01	1000 ppm	Day : 3	4.8	17	132	0.5
0295_01	1000 ppm	Week : 13	4.7	16	271	0.6
0295_01	1000 ppm	Day : 15	4.2	11	144	0.5
0295_01	1000 ppm	Day : 45	5	14	351	0.5
0296_01	1000 ppm	Day : 3	4.1	16	183	0.5
0296_01	1000 ppm	Week : 13	4.6	17	143	0.5
0296_01	1000 ppm	Day : 15	4.2	8	100	0.7
0296_01	1000 ppm	Day : 45	4.8	16		0.4
0297_01	1000 ppm	Day : 3	4	17	253	0.5
0297_01	1000 ppm	Week : 13	4.9	23	344	0.5
0297_01	1000 ppm	Day : 15	4.6	8	826	0.7
0297_01	1000 ppm	Day : 45	5.1	17		0.4
0298_01	1000 ppm	Day : 3	4.1	23	191	0.5
0298_01	1000 ppm	Week : 13	4.6	19	299	0.5
0298_01	1000 ppm	Day : 15	4.9	10	200	0.7
0298_01	1000 ppm	Day : 45	5	20		0.5
0299_01	1000 ppm	Day : 3	4.3	16	127	0.5
0299_01	1000 ppm	Week : 13	4.8	20	101	0.6
0299_01	1000 ppm	Day : 15	4.8	8	158	0.6
0299_01	1000 ppm	Day : 45	5.1	15		0.5
0300_01	1000 ppm	Day : 3	4.1	21	180	0.6
0300_01	1000 ppm	Week : 13	4.5	14	108	0.5

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

**P42: Clinical Chemistry Data**

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Albumin g per dL	ALT IU per L	Creatine Kinase IU per L	Creatinine U per L
0300_01	1000 ppm	Day : 15	5	12	456	0.6
0300_01	1000 ppm	Day : 45	4.7	18		0.3

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:13

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0211_01	0 ppm	Day : 3	1	12
0211_01	0 ppm	Week : 13		16
0211_01	0 ppm	Day : 15		22
0211_01	0 ppm	Day : 45		24
0212_01	0 ppm	Day : 3	3	10
0212_01	0 ppm	Week : 13		24
0212_01	0 ppm	Day : 15		20
0212_01	0 ppm	Day : 45		15
0213_01	0 ppm	Day : 3	1	11
0213_01	0 ppm	Week : 13		15
0213_01	0 ppm	Day : 15		18
0213_01	0 ppm	Day : 45		17
0214_01	0 ppm	Day : 3	2	12
0214_01	0 ppm	Week : 13		28
0214_01	0 ppm	Day : 15		22
0214_01	0 ppm	Day : 45		21
0215_01	0 ppm	Day : 3	2	13
0215_01	0 ppm	Week : 13		18
0215_01	0 ppm	Day : 15		17
0215_01	0 ppm	Day : 45		18
0216_01	0 ppm	Day : 3	2	11
0216_01	0 ppm	Week : 13		11

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0216_01	0 ppm	Day : 15		15
0216_01	0 ppm	Day : 45		18
0217_01	0 ppm	Day : 3	2	12
0217_01	0 ppm	Week : 13		14
0217_01	0 ppm	Day : 15		17
0217_01	0 ppm	Day : 45		17
0218_01	0 ppm	Day : 3	2	12
0218_01	0 ppm	Week : 13		16
0218_01	0 ppm	Day : 15		17
0218_01	0 ppm	Day : 45		17
0219_01	0 ppm	Day : 3	2	14
0219_01	0 ppm	Week : 13		22
0219_01	0 ppm	Day : 15		18
0219_01	0 ppm	Day : 45		17
0220_01	0 ppm	Day : 3	1	13
0220_01	0 ppm	Week : 13		16
0220_01	0 ppm	Day : 15		16
0220_01	0 ppm	Day : 45		22
0231_01	33 ppm	Day : 3	2	15
0231_01	33 ppm	Week : 13		16
0231_01	33 ppm	Day : 15		18
0231_01	33 ppm	Day : 45		20

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0232_01	33 ppm	Day : 3		12
0232_01	33 ppm	Week : 13		16
0232_01	33 ppm	Day : 15		15
0232_01	33 ppm	Day : 45		17
0233_01	33 ppm	Day : 3	3	11
0233_01	33 ppm	Week : 13		16
0233_01	33 ppm	Day : 15		17
0233_01	33 ppm	Day : 45		17
0234_01	33 ppm	Day : 3	4	12
0234_01	33 ppm	Week : 13		18
0234_01	33 ppm	Day : 15		17
0234_01	33 ppm	Day : 45		24
0235_01	33 ppm	Day : 3	4	12
0235_01	33 ppm	Week : 13		14
0235_01	33 ppm	Day : 15		16
0235_01	33 ppm	Day : 45		15
0236_01	33 ppm	Day : 3	4	10
0236_01	33 ppm	Week : 13		13
0236_01	33 ppm	Day : 15		18
0236_01	33 ppm	Day : 45		16
0237_01	33 ppm	Day : 3	1	14
0237_01	33 ppm	Week : 13		14



Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0237_01	33 ppm	Day : 15		17
0237_01	33 ppm	Day : 45		30
0238_01	33 ppm	Day : 3	4	12
0238_01	33 ppm	Week : 13		16
0238_01	33 ppm	Day : 15		34
0238_01	33 ppm	Day : 45		15
0239_01	33 ppm	Day : 3	4	11
0239_01	33 ppm	Week : 13		20
0239_01	33 ppm	Day : 15		18
0239_01	33 ppm	Day : 45		15
0240_01	33 ppm	Day : 3	3	11
0240_01	33 ppm	Week : 13		20
0240_01	33 ppm	Day : 15		19
0240_01	33 ppm	Day : 45		14
0251_01	100 ppm	Day : 3	2	11
0251_01	100 ppm	Week : 13		14
0251_01	100 ppm	Day : 15		15
0251_01	100 ppm	Day : 45		18
0252_01	100 ppm	Day : 3	2	13
0252_01	100 ppm	Week : 13		16
0252_01	100 ppm	Day : 15		20
0252_01	100 ppm	Day : 45		23

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0253_01	100 ppm	Day : 3	2	11
0253_01	100 ppm	Week : 13		13
0253_01	100 ppm	Day : 15		17
0253_01	100 ppm	Day : 45		20
0254_01	100 ppm	Day : 3	3	13
0254_01	100 ppm	Week : 13		20
0254_01	100 ppm	Day : 15		16
0254_01	100 ppm	Day : 45		22
0255_01	100 ppm	Day : 3	3	13
0255_01	100 ppm	Week : 13		13
0255_01	100 ppm	Day : 15		17
0255_01	100 ppm	Day : 45		26
0256_01	100 ppm	Day : 3	1	11
0256_01	100 ppm	Week : 13		12
0256_01	100 ppm	Day : 15		16
0256_01	100 ppm	Day : 45		19
0257_01	100 ppm	Day : 3	1	11
0257_01	100 ppm	Week : 13		13
0257_01	100 ppm	Day : 15		16
0257_01	100 ppm	Day : 45		21
0258_01	100 ppm	Day : 3		12
0258_01	100 ppm	Week : 13		15

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0258_01	100 ppm	Day : 15		16
0258_01	100 ppm	Day : 45		20
0259_01	100 ppm	Day : 3	1	11
0259_01	100 ppm	Week : 13		16
0259_01	100 ppm	Day : 15		20
0259_01	100 ppm	Day : 45		18
0260_01	100 ppm	Day : 3	1	12
0260_01	100 ppm	Week : 13		14
0260_01	100 ppm	Day : 15		19
0260_01	100 ppm	Day : 45		26
0271_01	330 ppm	Day : 3	3	10
0271_01	330 ppm	Week : 13		14
0271_01	330 ppm	Day : 15		18
0271_01	330 ppm	Day : 45		20
0272_01	330 ppm	Day : 3	5	10
0272_01	330 ppm	Week : 13		22
0272_01	330 ppm	Day : 15		20
0272_01	330 ppm	Day : 45		24
0273_01	330 ppm	Day : 3		13
0273_01	330 ppm	Week : 13		13
0273_01	330 ppm	Day : 15		23
0273_01	330 ppm	Day : 45		21

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0274_01	330 ppm	Day : 3	3	12
0274_01	330 ppm	Week : 13		20
0274_01	330 ppm	Day : 15		15
0274_01	330 ppm	Day : 45		19
0275_01	330 ppm	Day : 3	5	11
0275_01	330 ppm	Week : 13		17
0275_01	330 ppm	Day : 15		18
0275_01	330 ppm	Day : 45		24
0276_01	330 ppm	Day : 3	3	10
0276_01	330 ppm	Week : 13		18
0276_01	330 ppm	Day : 15		16
0276_01	330 ppm	Day : 45		22
0277_01	330 ppm	Day : 3	3	10
0277_01	330 ppm	Week : 13		17
0277_01	330 ppm	Day : 15		34
0277_01	330 ppm	Day : 45		28
0278_01	330 ppm	Day : 3	2	11
0278_01	330 ppm	Week : 13		20
0278_01	330 ppm	Day : 15		16
0278_01	330 ppm	Day : 45		34
0279_01	330 ppm	Day : 3	3	11
0279_01	330 ppm	Week : 13		13

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0279_01	330 ppm	Day : 15		16
0279_01	330 ppm	Day : 45		20
0280_01	330 ppm	Day : 3		12
0280_01	330 ppm	Week : 13		18
0280_01	330 ppm	Day : 15		20
0280_01	330 ppm	Day : 45		14
0291_01	1000 ppm	Day : 3	3	10
0291_01	1000 ppm	Week : 13		12
0291_01	1000 ppm	Day : 15		18
0291_01	1000 ppm	Day : 45		32
0292_01	1000 ppm	Day : 3	3	11
0292_01	1000 ppm	Week : 13		17
0292_01	1000 ppm	Day : 15		20
0292_01	1000 ppm	Day : 45		21
0293_01	1000 ppm	Day : 3	2	13
0293_01	1000 ppm	Week : 13		14
0293_01	1000 ppm	Day : 15		15
0293_01	1000 ppm	Day : 45		16
0294_01	1000 ppm	Day : 3	3	13
0294_01	1000 ppm	Week : 13		15
0294_01	1000 ppm	Day : 15		24
0294_01	1000 ppm	Day : 45		18

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0295_01	1000 ppm	Day : 3	3	10
0295_01	1000 ppm	Week : 13		16
0295_01	1000 ppm	Day : 15		15
0295_01	1000 ppm	Day : 45		19
0296_01	1000 ppm	Day : 3		9
0296_01	1000 ppm	Week : 13		15
0296_01	1000 ppm	Day : 15		15
0296_01	1000 ppm	Day : 45		19
0297_01	1000 ppm	Day : 3	1	11
0297_01	1000 ppm	Week : 13		20
0297_01	1000 ppm	Day : 15		16
0297_01	1000 ppm	Day : 45		20
0298_01	1000 ppm	Day : 3	3	10
0298_01	1000 ppm	Week : 13		18
0298_01	1000 ppm	Day : 15		14
0298_01	1000 ppm	Day : 45		19
0299_01	1000 ppm	Day : 3	2	11
0299_01	1000 ppm	Week : 13		19
0299_01	1000 ppm	Day : 15		16
0299_01	1000 ppm	Day : 45		19
0300_01	1000 ppm	Day : 3	3	10
0300_01	1000 ppm	Week : 13		12

Experiment Number: 05160-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:04:14

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	GGT U PER L	SDH IU per L
0300_01	1000 ppm	Day : 15		17
0300_01	1000 ppm	Day : 45		22

\*\* END OF REPORT \*\*