

**Experiment Number:** 20303-03

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

**P42: Clinical Chemistry Data**

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 02:29:28

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

**Lab:** NA

**C Number:** C20303

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:28

First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0001_03_01_M	0 ppm	Day : 93	4.9	2.0	234	118
0002_03_01_M	0 ppm	Day : 93	5.0	2.0	266	151
0003_03_01_M	0 ppm	Day : 93	5.0	2.1	271	276
0004_03_01_M	0 ppm	Day : 93	5.1	1.9	250	96
0005_03_01_M	0 ppm	Day : 93	5.0	2.2	234	84
0006_03_01_M	0 ppm	Day : 93	5.2	1.9	270	153
0007_03_01_M	0 ppm	Day : 93	4.9	2.0	252	105
0008_03_01_M	0 ppm	Day : 93	4.9	2.0	262	100
0009_03_01_M	0 ppm	Day : 93	5.0	2.0	249	134
0010_03_01_M	0 ppm	Day : 93	5.1	2.0	252	75
0011_03_01_M	0 ppm	Day : 3	4.4	2.6	528	48
0011_03_01_M	0 ppm	Day : 23	4.7	2.4	362	46
0012_03_01_M	0 ppm	Day : 3	4.5	2.6	584	57
0012_03_01_M	0 ppm	Day : 23	4.7	2.4	426	46
0013_03_01_M	0 ppm	Day : 3	4.5	2.5	633	58
0013_03_01_M	0 ppm	Day : 23	4.5	2.3	421	44
0014_03_01_M	0 ppm	Day : 3	4.6	2.6	556	58
0014_03_01_M	0 ppm	Day : 23	4.6	2.2	382	53
0015_03_01_M	0 ppm	Day : 3	4.2	2.3	604	56
0015_03_01_M	0 ppm	Day : 23	4.5	2.4	395	46
0016_03_01_M	0 ppm	Day : 3	4.6	2.4	595	52
0016_03_01_M	0 ppm	Day : 23	4.5	2.4	389	41

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:29

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0017_03_01_M	0 ppm	Day : 3	4.1	2.7	532	53
0017_03_01_M	0 ppm	Day : 23	4.6	2.4	367	43
0018_03_01_M	0 ppm	Day : 3	4.5	2.6	558	54
0018_03_01_M	0 ppm	Day : 23	4.5	2.4	354	40
0019_03_01_M	0 ppm	Day : 3	4.6	2.7	590	55
0019_03_01_M	0 ppm	Day : 23	4.6	2.4	389	40
0020_03_01_M	0 ppm	Day : 3	4.7	2.8	596	49
0020_03_01_M	0 ppm	Day : 23	4.6	2.6	362	38
0201_03_03_M	6.25 ppm	Day : 93	5.0	2.0	248	110
0202_03_03_M	6.25 ppm	Day : 93	4.9	1.9	243	106
0203_03_03_M	6.25 ppm	Day : 93	5.0	1.9	246	103
0204_03_03_M	6.25 ppm	Day : 93	4.9	1.9	223	99
0205_03_03_M	6.25 ppm	Day : 93	5.0	1.9	219	129
0206_03_03_M	6.25 ppm	Day : 93	5.0	2.0	244	121
0207_03_03_M	6.25 ppm	Day : 93	5.0	2.0	230	149
0208_03_03_M	6.25 ppm	Day : 93	4.9	1.9	241	92
0209_03_03_M	6.25 ppm	Day : 93	4.8	2.0	242	120
0210_03_03_M	6.25 ppm	Day : 93	4.9	2.0	245	101
0211_03_03_M	6.25 ppm	Day : 3	4.4	2.6	594	63
0211_03_03_M	6.25 ppm	Day : 23	4.7	2.5	389	42
0212_03_03_M	6.25 ppm	Day : 3	4.4	2.4	558	53
0212_03_03_M	6.25 ppm	Day : 23	4.7	2.4	440	45

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:29

First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0213_03_03_M	6.25 ppm	Day : 3	4.5	2.6	591	53
0213_03_03_M	6.25 ppm	Day : 23	4.6	2.2	420	47
0214_03_03_M	6.25 ppm	Day : 3	4.6	2.7	563	54
0214_03_03_M	6.25 ppm	Day : 23	4.6	2.4	337	41
0215_03_03_M	6.25 ppm	Day : 3	4.5	2.6	566	50
0215_03_03_M	6.25 ppm	Day : 23	4.7	2.4	420	48
0216_03_03_M	6.25 ppm	Day : 3	4.6	2.6	629	51
0216_03_03_M	6.25 ppm	Day : 23	4.6	2.3	403	42
0217_03_03_M	6.25 ppm	Day : 3	4.4	2.8	595	57
0217_03_03_M	6.25 ppm	Day : 23	4.4	2.2	387	45
0218_03_03_M	6.25 ppm	Day : 3	4.5	2.5	570	52
0218_03_03_M	6.25 ppm	Day : 23	4.7	2.4	423	47
0219_03_03_M	6.25 ppm	Day : 3	4.6	2.7	578	57
0219_03_03_M	6.25 ppm	Day : 23	4.7	2.5	413	43
0220_03_03_M	6.25 ppm	Day : 3	4.5	2.5	558	51
0220_03_03_M	6.25 ppm	Day : 23	4.5	2.4	407	45
0401_03_05_M	12.5 ppm	Day : 93	4.9	2.0	243	77
0402_03_05_M	12.5 ppm	Day : 93	5.1	2.0	233	93
0403_03_05_M	12.5 ppm	Day : 93	4.8	1.9	242	98
0404_03_05_M	12.5 ppm	Day : 93	4.9	2.0	251	131
0405_03_05_M	12.5 ppm	Day : 93	5.0	1.9	242	123
0406_03_05_M	12.5 ppm	Day : 93	4.8	2.0	225	97

Experiment Number: 20303-03

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	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0407_03_05_M	12.5 ppm	Day : 93	4.8	1.8	228	95
0408_03_05_M	12.5 ppm	Day : 93	4.9	2.0	202	79
0409_03_05_M	12.5 ppm	Day : 93	4.8	2.0	239	99
0410_03_05_M	12.5 ppm	Day : 93	4.8	1.9	221	76
0411_03_05_M	12.5 ppm	Day : 3	4.4	2.6	563	56
0411_03_05_M	12.5 ppm	Day : 23	4.6	2.4	399	41
0412_03_05_M	12.5 ppm	Day : 3	4.3	2.5	553	47
0412_03_05_M	12.5 ppm	Day : 23	4.8	2.4	406	45
0413_03_05_M	12.5 ppm	Day : 3	4.4	2.6	570	55
0413_03_05_M	12.5 ppm	Day : 23	4.5	2.4	378	38
0414_03_05_M	12.5 ppm	Day : 3	4.3	2.7	548	55
0414_03_05_M	12.5 ppm	Day : 23	4.5	2.3	411	42
0415_03_05_M	12.5 ppm	Day : 3	4.6	2.6	629	56
0415_03_05_M	12.5 ppm	Day : 23	4.5	2.3	412	43
0416_03_05_M	12.5 ppm	Day : 3	4.6	2.4	595	56
0416_03_05_M	12.5 ppm	Day : 23	4.5	2.4	373	41
0417_03_05_M	12.5 ppm	Day : 3	4.4	2.4	582	54
0417_03_05_M	12.5 ppm	Day : 23	4.7	2.1	425	50
0418_03_05_M	12.5 ppm	Day : 3	4.5	2.6	579	61
0418_03_05_M	12.5 ppm	Day : 23	4.5	2.4	385	40
0419_03_05_M	12.5 ppm	Day : 3	4.5	2.5	527	44
0419_03_05_M	12.5 ppm	Day : 23	4.6	2.4	352	36

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0420_03_05_M	12.5 ppm	Day : 3	4.4	2.4	604	49
0420_03_05_M	12.5 ppm	Day : 23	4.6	2.2	425	46
0601_03_07_M	25 ppm	Day : 93	4.9	2.0	267	80
0602_03_07_M	25 ppm	Day : 93	5.0	1.9	233	91
0603_03_07_M	25 ppm	Day : 93	4.9	2.0	244	120
0604_03_07_M	25 ppm	Day : 93	5.1	2.0	247	107
0605_03_07_M	25 ppm	Day : 93	4.8	2.0	233	94
0606_03_07_M	25 ppm	Day : 93	5.1	2.2	248	92
0607_03_07_M	25 ppm	Day : 93	4.9	2.0	244	85
0608_03_07_M	25 ppm	Day : 93	4.8	2.0	229	89
0609_03_07_M	25 ppm	Day : 93	5.0	2.1	232	76
0610_03_07_M	25 ppm	Day : 93	4.8	2.0	214	110
0611_03_07_M	25 ppm	Day : 3	4.4	2.4	596	55
0611_03_07_M	25 ppm	Day : 23	4.6	2.4	353	42
0612_03_07_M	25 ppm	Day : 3	4.0	2.5	555	51
0612_03_07_M	25 ppm	Day : 23	4.7	2.5	363	41
0613_03_07_M	25 ppm	Day : 3	4.2	2.3	616	56
0613_03_07_M	25 ppm	Day : 23	4.5	2.4	361	42
0614_03_07_M	25 ppm	Day : 3	4.6	2.4	617	53
0614_03_07_M	25 ppm	Day : 23	4.6	2.3	426	49
0615_03_07_M	25 ppm	Day : 3	4.5	2.5	577	58
0615_03_07_M	25 ppm	Day : 23	4.4	2.3	407	44

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0616_03_07_M	25 ppm	Day : 3	4.6	2.6	592	50
0616_03_07_M	25 ppm	Day : 23	4.6	2.4	384	41
0617_03_07_M	25 ppm	Day : 3	4.5	2.5	577	52
0617_03_07_M	25 ppm	Day : 23	4.7	2.5	353	37
0618_03_07_M	25 ppm	Day : 3	4.5	2.5	566	53
0618_03_07_M	25 ppm	Day : 23	4.7	2.2	410	44
0619_03_07_M	25 ppm	Day : 3	4.5	2.5	551	45
0619_03_07_M	25 ppm	Day : 23	4.6	2.4	383	43
0620_03_07_M	25 ppm	Day : 3	4.6	2.3	618	56
0620_03_07_M	25 ppm	Day : 23	4.7	2.5	379	42
0801_03_09_M	50 ppm	Day : 93	5.0	1.9	257	110
0802_03_09_M	50 ppm	Day : 93	5.0	1.9	224	82
0803_03_09_M	50 ppm	Day : 93	5.1	2.0	253	106
0804_03_09_M	50 ppm	Day : 93	5.0	1.9	231	99
0805_03_09_M	50 ppm	Day : 93	5.0	2.0	244	102
0806_03_09_M	50 ppm	Day : 93	4.9	1.9	235	97
0807_03_09_M	50 ppm	Day : 93	5.1	2.0	205	77
0808_03_09_M	50 ppm	Day : 93	4.9	1.9	245	114
0809_03_09_M	50 ppm	Day : 93	4.7	2.0	278	63
0810_03_09_M	50 ppm	Day : 93	5.0	1.9	241	105
0811_03_09_M	50 ppm	Day : 3	4.4	2.4	657	59
0811_03_09_M	50 ppm	Day : 23	4.6	2.3	440	50

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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Time Report Requested: 02:29:29

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0812_03_09_M	50 ppm	Day : 3	4.5	2.4	604	57
0812_03_09_M	50 ppm	Day : 23	4.5	2.4	423	47
0813_03_09_M	50 ppm	Day : 3	4.4	2.6	623	60
0813_03_09_M	50 ppm	Day : 23	4.5	2.3	394	39
0814_03_09_M	50 ppm	Day : 3	4.6	2.2	652	57
0814_03_09_M	50 ppm	Day : 23	4.6	2.3	366	42
0815_03_09_M	50 ppm	Day : 3	4.4	2.4	625	60
0815_03_09_M	50 ppm	Day : 23	4.5	2.3	453	43
0816_03_09_M	50 ppm	Day : 3	4.5	2.5	626	61
0816_03_09_M	50 ppm	Day : 23	4.8	2.4	390	47
0817_03_09_M	50 ppm	Day : 3	4.5	2.6	656	62
0817_03_09_M	50 ppm	Day : 23	4.6	2.2	428	43
0818_03_09_M	50 ppm	Day : 3	4.5	2.4	606	67
0818_03_09_M	50 ppm	Day : 23	4.7	2.2	425	45
0819_03_09_M	50 ppm	Day : 3	4.5	2.3	602	61
0819_03_09_M	50 ppm	Day : 23	4.6	2.1	435	44
0820_03_09_M	50 ppm	Day : 3	4.3	2.4	567	64
0820_03_09_M	50 ppm	Day : 23	4.7	2.4	393	47
1001_03_11_M	100 ppm	Day : 93	5.0	1.9	260	82
1002_03_11_M	100 ppm	Day : 93	5.0	2.1	230	89
1003_03_11_M	100 ppm	Day : 93	5.1	1.9	274	78
1004_03_11_M	100 ppm	Day : 93	5.1	2.0	259	79



Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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Time Report Requested: 02:29:29

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1005_03_11_M	100 ppm	Day : 93	4.8	1.9	251	82
1006_03_11_M	100 ppm	Day : 93	4.9	1.9	249	80
1007_03_11_M	100 ppm	Day : 93	5.0	1.9	280	77
1008_03_11_M	100 ppm	Day : 93	4.9	2.0	261	75
1009_03_11_M	100 ppm	Day : 93	5.0	1.8	284	84
1010_03_11_M	100 ppm	Day : 93	5.1	1.8	281	90
1011_03_11_M	100 ppm	Day : 3	4.7	2.5	653	63
1011_03_11_M	100 ppm	Day : 23	4.8	2.3	396	58
1012_03_11_M	100 ppm	Day : 3	4.8	2.5	650	57
1012_03_11_M	100 ppm	Day : 23	4.6	2.1	500	64
1013_03_11_M	100 ppm	Day : 3	4.4	2.4	543	64
1013_03_11_M	100 ppm	Day : 23	4.8	2.4	396	49
1014_03_11_M	100 ppm	Day : 3	4.6	2.4	623	72
1014_03_11_M	100 ppm	Day : 23	4.8	2.3	469	61
1015_03_11_M	100 ppm	Day : 3	4.5	2.4	571	56
1015_03_11_M	100 ppm	Day : 23	4.7	2.2	400	53
1016_03_11_M	100 ppm	Day : 3	4.5	2.4	623	64
1016_03_11_M	100 ppm	Day : 23	4.6	2.3	455	69
1017_03_11_M	100 ppm	Day : 3	4.4	2.2	651	85
1017_03_11_M	100 ppm	Day : 23	4.7	2.4	421	94
1018_03_11_M	100 ppm	Day : 3	4.7	2.4	623	68
1018_03_11_M	100 ppm	Day : 23	4.7	2.2	448	55

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:29

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	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1019_03_11_M	100 ppm	Day : 3	4.4	2.2	690	99
1019_03_11_M	100 ppm	Day : 23	4.7	2.4	451	67
1020_03_11_M	100 ppm	Day : 3	4.5	2.4	621	69
1020_03_11_M	100 ppm	Day : 23	4.7	2.4	402	59

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:29

First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0001_03_01_M	0 ppm	Day : 93	2.9	16	289	0.4
0002_03_01_M	0 ppm	Day : 93	3.2	15	246	0.4
0003_03_01_M	0 ppm	Day : 93	5.0	18	258	0.4
0004_03_01_M	0 ppm	Day : 93	3.7	15	96	0.4
0005_03_01_M	0 ppm	Day : 93	2.8	13	168	0.4
0006_03_01_M	0 ppm	Day : 93	3.1	16	169	0.4
0007_03_01_M	0 ppm	Day : 93	2.6	15	117	0.4
0008_03_01_M	0 ppm	Day : 93	2.6	17	235	0.4
0009_03_01_M	0 ppm	Day : 93	3.3	15	96	0.4
0010_03_01_M	0 ppm	Day : 93	2.7	16	213	0.4
0011_03_01_M	0 ppm	Day : 3	6.5	10	632	0.2
0011_03_01_M	0 ppm	Day : 23	8.5	12	260	0.3
0012_03_01_M	0 ppm	Day : 3	6.2	7	310	0.3
0012_03_01_M	0 ppm	Day : 23	3.0	10	210	0.2
0013_03_01_M	0 ppm	Day : 3	3.9	8	520	0.2
0013_03_01_M	0 ppm	Day : 23	3.4	13	212	0.3
0014_03_01_M	0 ppm	Day : 3	4.1	8	406	0.2
0014_03_01_M	0 ppm	Day : 23	3.3	9	274	0.2
0015_03_01_M	0 ppm	Day : 3	4.3	8	853	0.3
0015_03_01_M	0 ppm	Day : 23	2.8	10	177	0.2
0016_03_01_M	0 ppm	Day : 3	5.4	8	369	0.2
0016_03_01_M	0 ppm	Day : 23	4.2	8	203	0.3

## MALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0017_03_01_M	0 ppm	Day : 3	12.6	9	620	0.3
0017_03_01_M	0 ppm	Day : 23	5.6	12	342	0.3
0018_03_01_M	0 ppm	Day : 3	7.0	9	855	0.2
0018_03_01_M	0 ppm	Day : 23	4.0	11	278	0.3
0019_03_01_M	0 ppm	Day : 3	3.9	11	369	0.2
0019_03_01_M	0 ppm	Day : 23	4.4	10	203	0.3
0020_03_01_M	0 ppm	Day : 3	4.2	11	384	0.2
0020_03_01_M	0 ppm	Day : 23	3.7	10	279	0.3
0201_03_03_M	6.25 ppm	Day : 93	2.8	14	109	0.3
0202_03_03_M	6.25 ppm	Day : 93	2.8	16	191	0.4
0203_03_03_M	6.25 ppm	Day : 93	2.8	14	168	0.4
0204_03_03_M	6.25 ppm	Day : 93	2.5	14	285	0.4
0205_03_03_M	6.25 ppm	Day : 93	3.2	15	168	0.4
0206_03_03_M	6.25 ppm	Day : 93	3.2	15	278	0.4
0207_03_03_M	6.25 ppm	Day : 93	3.7	15	112	0.5
0208_03_03_M	6.25 ppm	Day : 93	3.0	14	154	0.5
0209_03_03_M	6.25 ppm	Day : 93	3.8	14	174	0.4
0210_03_03_M	6.25 ppm	Day : 93	2.5	14	436	0.4
0211_03_03_M	6.25 ppm	Day : 3	5.8	8	324	0.2
0211_03_03_M	6.25 ppm	Day : 23	5.4	9	183	0.3
0212_03_03_M	6.25 ppm	Day : 3	8.5	10	586	0.2
0212_03_03_M	6.25 ppm	Day : 23	3.3	9	201	0.3

## MALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0212_03_03_M	6.25 ppm	Day : 23	3.3	9	201	0.3
0213_03_03_M	6.25 ppm	Day : 3	3.8	8	426	0.2
0213_03_03_M	6.25 ppm	Day : 23	5.1	9	238	0.2
0214_03_03_M	6.25 ppm	Day : 3	4.2	10	346	0.2
0214_03_03_M	6.25 ppm	Day : 23	3.4	11	412	0.3
0215_03_03_M	6.25 ppm	Day : 3	4.0	8	580	0.3
0215_03_03_M	6.25 ppm	Day : 23	4.3	11	215	0.3
0216_03_03_M	6.25 ppm	Day : 3	3.1	8	318	0.3
0216_03_03_M	6.25 ppm	Day : 23	4.0	9	207	0.3
0217_03_03_M	6.25 ppm	Day : 3	3.7	7	434	0.2
0217_03_03_M	6.25 ppm	Day : 23	3.7	11	475	0.3
0218_03_03_M	6.25 ppm	Day : 3	4.9	9	393	0.2
0218_03_03_M	6.25 ppm	Day : 23	3.6	10	322	0.3
0219_03_03_M	6.25 ppm	Day : 3	3.4	10	443	0.2
0219_03_03_M	6.25 ppm	Day : 23	3.5	9	249	0.3
0220_03_03_M	6.25 ppm	Day : 3	3.7	7	394	0.3
0220_03_03_M	6.25 ppm	Day : 23	3.7	9	764	0.2
0401_03_05_M	12.5 ppm	Day : 93	2.8	14	158	0.4
0402_03_05_M	12.5 ppm	Day : 93	2.3	14	137	0.4
0403_03_05_M	12.5 ppm	Day : 93	2.6	16	201	0.4
0404_03_05_M	12.5 ppm	Day : 93	2.7	15	158	0.4
0405_03_05_M	12.5 ppm	Day : 93	3.3	14	188	0.4

## MALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0406_03_05_M	12.5 ppm	Day : 93	2.9	13	268	0.3
0407_03_05_M	12.5 ppm	Day : 93	2.5	13	210	0.3
0408_03_05_M	12.5 ppm	Day : 93	2.7	13	271	0.4
0409_03_05_M	12.5 ppm	Day : 93	2.6	14	484	0.4
0410_03_05_M	12.5 ppm	Day : 93	2.7	13	290	0.4
0411_03_05_M	12.5 ppm	Day : 3	3.8	8	401	0.2
0411_03_05_M	12.5 ppm	Day : 23	4.3	8	211	0.3
0412_03_05_M	12.5 ppm	Day : 3	5.6	7	325	0.2
0412_03_05_M	12.5 ppm	Day : 23	4.0	12	309	0.3
0413_03_05_M	12.5 ppm	Day : 3	6.8	9	1251	0.2
0413_03_05_M	12.5 ppm	Day : 23	4.9	9	431	0.2
0414_03_05_M	12.5 ppm	Day : 3	3.4	12	444	0.3
0414_03_05_M	12.5 ppm	Day : 23	3.5	10	384	0.3
0415_03_05_M	12.5 ppm	Day : 3	4.6	9	471	0.3
0415_03_05_M	12.5 ppm	Day : 23	3.4	11	384	0.3
0416_03_05_M	12.5 ppm	Day : 3	2.9	11	493	0.2
0416_03_05_M	12.5 ppm	Day : 23	3.9	10	338	0.3
0417_03_05_M	12.5 ppm	Day : 3	3.9	10	509	0.2
0417_03_05_M	12.5 ppm	Day : 23	3.3	10	222	0.2
0418_03_05_M	12.5 ppm	Day : 3	4.5	7	321	0.3
0418_03_05_M	12.5 ppm	Day : 23	3.1	8	261	0.3
0419_03_05_M	12.5 ppm	Day : 3	3.4	11	444	0.3

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**MALE**


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Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0419_03_05_M	12.5 ppm	Day : 3	3.4	11	444	0.3
0419_03_05_M	12.5 ppm	Day : 23	3.0	10	282	0.2
0420_03_05_M	12.5 ppm	Day : 3	3.1	6	425	0.3
0420_03_05_M	12.5 ppm	Day : 23	3.1	11	474	0.3
0601_03_07_M	25 ppm	Day : 93	2.4	15	345	0.4
0602_03_07_M	25 ppm	Day : 93	3.7	15	179	0.4
0603_03_07_M	25 ppm	Day : 93	3.2	15	234	0.5
0604_03_07_M	25 ppm	Day : 93	2.7	14	165	0.5
0605_03_07_M	25 ppm	Day : 93	3.2	15	125	0.4
0606_03_07_M	25 ppm	Day : 93	2.7	14	361	0.4
0607_03_07_M	25 ppm	Day : 93	3.0	14	195	0.4
0608_03_07_M	25 ppm	Day : 93	4.9	16	168	0.5
0609_03_07_M	25 ppm	Day : 93	3.6	14	280	0.4
0610_03_07_M	25 ppm	Day : 93	3.5	17	204	0.4
0611_03_07_M	25 ppm	Day : 3	7.0	10	391	0.2
0611_03_07_M	25 ppm	Day : 23	4.7	12	397	0.3
0612_03_07_M	25 ppm	Day : 3	5.1	10	462	0.2
0612_03_07_M	25 ppm	Day : 23	3.8	15	284	0.2
0613_03_07_M	25 ppm	Day : 3	4.5	8	514	0.2
0613_03_07_M	25 ppm	Day : 23	3.3	12	367	0.2
0614_03_07_M	25 ppm	Day : 3	5.7	10	482	0.3
0614_03_07_M	25 ppm	Day : 23	5.4	11	370	0.4

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:30

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0615_03_07_M	25 ppm	Day : 3	4.3	9	303	0.3
0615_03_07_M	25 ppm	Day : 23	3.1	10	332	0.3
0616_03_07_M	25 ppm	Day : 3	24.6	10	703	0.3
0616_03_07_M	25 ppm	Day : 23	3.4	12	371	0.3
0617_03_07_M	25 ppm	Day : 3	4.1	11	440	0.2
0617_03_07_M	25 ppm	Day : 23	3.6	12	279	0.3
0618_03_07_M	25 ppm	Day : 3	3.6	8	438	0.3
0618_03_07_M	25 ppm	Day : 23	7.7	11	256	0.3
0619_03_07_M	25 ppm	Day : 3	3.9	12	401	0.2
0619_03_07_M	25 ppm	Day : 23	3.4	10	353	0.2
0620_03_07_M	25 ppm	Day : 3	3.7	11	362	0.3
0620_03_07_M	25 ppm	Day : 23	4.0	12	336	0.3
0801_03_09_M	50 ppm	Day : 93	3.3	16	264	0.5
0802_03_09_M	50 ppm	Day : 93	2.2	16	652	0.4
0803_03_09_M	50 ppm	Day : 93	2.9	15	183	0.5
0804_03_09_M	50 ppm	Day : 93	2.2	16	175	0.5
0805_03_09_M	50 ppm	Day : 93	2.7	15	129	0.4
0806_03_09_M	50 ppm	Day : 93	3.0	16	281	0.4
0807_03_09_M	50 ppm	Day : 93	2.4	13	127	0.4
0808_03_09_M	50 ppm	Day : 93	2.6	15	175	0.4
0809_03_09_M	50 ppm	Day : 93	3.7	20	594	0.5
0810_03_09_M	50 ppm	Day : 93	2.3	14	253	0.4



## MALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0810_03_09_M	50 ppm	Day : 93	2.3	14	253	0.4
0811_03_09_M	50 ppm	Day : 3	7.7	11	663	0.2
0811_03_09_M	50 ppm	Day : 23	3.4	13	525	0.3
0812_03_09_M	50 ppm	Day : 3	4.2	10	288	0.2
0812_03_09_M	50 ppm	Day : 23	2.8	13	514	0.3
0813_03_09_M	50 ppm	Day : 3	4.3	10	667	0.3
0813_03_09_M	50 ppm	Day : 23	7.1	13	550	0.3
0814_03_09_M	50 ppm	Day : 3	7.4	12	473	0.3
0814_03_09_M	50 ppm	Day : 23	3.4	12	469	0.3
0815_03_09_M	50 ppm	Day : 3	4.1	11	826	0.2
0815_03_09_M	50 ppm	Day : 23	3.5	10	477	0.3
0816_03_09_M	50 ppm	Day : 3	5.6	11	470	0.3
0816_03_09_M	50 ppm	Day : 23	13.7	14	428	0.3
0817_03_09_M	50 ppm	Day : 3	3.8	10	509	0.3
0817_03_09_M	50 ppm	Day : 23	4.1	12	269	0.3
0818_03_09_M	50 ppm	Day : 3	7.6	12	1363	0.3
0818_03_09_M	50 ppm	Day : 23	3.6	11	219	0.3
0819_03_09_M	50 ppm	Day : 3	3.4	8	671	0.2
0819_03_09_M	50 ppm	Day : 23	3.7	11	312	0.3
0820_03_09_M	50 ppm	Day : 3	12.0	12	359	0.2
0820_03_09_M	50 ppm	Day : 23	5.3	13	205	0.3
1001_03_11_M	100 ppm	Day : 93	2.4	15	161	0.4

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**MALE**


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Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
1002_03_11_M	100 ppm	Day : 93	2.7	14	270	0.4
1003_03_11_M	100 ppm	Day : 93	3.1	13	197	0.4
1004_03_11_M	100 ppm	Day : 93	2.7	13	145	0.5
1005_03_11_M	100 ppm	Day : 93	2.6	14	448	0.4
1006_03_11_M	100 ppm	Day : 93	2.5	14	211	0.4
1007_03_11_M	100 ppm	Day : 93	3.0	14	278	0.4
1008_03_11_M	100 ppm	Day : 93	2.2	14	166	0.5
1009_03_11_M	100 ppm	Day : 93	2.7	15	356	0.5
1010_03_11_M	100 ppm	Day : 93	3.2	13	380	0.5
1011_03_11_M	100 ppm	Day : 3	7.2	14	510	0.3
1011_03_11_M	100 ppm	Day : 23	5.9	15	460	0.3
1012_03_11_M	100 ppm	Day : 3	4.2	16	398	0.3
1012_03_11_M	100 ppm	Day : 23	3.5	13	307	0.2
1013_03_11_M	100 ppm	Day : 3	4.1	17	687	0.3
1013_03_11_M	100 ppm	Day : 23	3.9	14	317	0.3
1014_03_11_M	100 ppm	Day : 3	5.1	13	659	0.2
1014_03_11_M	100 ppm	Day : 23	4.7	12	226	0.4
1015_03_11_M	100 ppm	Day : 3	5.5	15	613	0.3
1015_03_11_M	100 ppm	Day : 23	3.8	13	392	0.3
1016_03_11_M	100 ppm	Day : 3	3.7	12	598	0.2
1016_03_11_M	100 ppm	Day : 23	5.0	12	213	0.3
1017_03_11_M	100 ppm	Day : 3	4.3	16	416	0.3

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:30

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
1017_03_11_M	100 ppm	Day : 3	4.3	16	416	0.3
1017_03_11_M	100 ppm	Day : 23	4.1	15	432	0.3
1018_03_11_M	100 ppm	Day : 3	9.5	18	505	0.3
1018_03_11_M	100 ppm	Day : 23	2.9	14	750	0.4
1019_03_11_M	100 ppm	Day : 3	10.2	14	526	0.3
1019_03_11_M	100 ppm	Day : 23	3.4	13	264	0.2
1020_03_11_M	100 ppm	Day : 3	15.6	14	715	0.2
1020_03_11_M	100 ppm	Day : 23	5.1	13	420	0.3

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:30

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0001_03_01_M	0 ppm	Day : 93	2.4	118	7.3	22.7
0002_03_01_M	0 ppm	Day : 93	2.5	119	7.5	28.5
0003_03_01_M	0 ppm	Day : 93	2.4	132	7.4	47.6
0004_03_01_M	0 ppm	Day : 93	2.7	128	7.8	21.5
0005_03_01_M	0 ppm	Day : 93	2.3	129	7.3	18.9
0006_03_01_M	0 ppm	Day : 93	2.7	137	7.9	30.3
0007_03_01_M	0 ppm	Day : 93	2.4	128	7.3	23.7
0008_03_01_M	0 ppm	Day : 93	2.5	131	7.4	22.5
0009_03_01_M	0 ppm	Day : 93	2.5	124	7.5	24.7
0010_03_01_M	0 ppm	Day : 93	2.5	123	7.6	18.2
0011_03_01_M	0 ppm	Day : 3	1.7	136	6.1	9.5
0011_03_01_M	0 ppm	Day : 23	2.0	111	6.7	15.0
0012_03_01_M	0 ppm	Day : 3	1.7	127	6.2	14.3
0012_03_01_M	0 ppm	Day : 23	2.0	117	6.7	12.7
0013_03_01_M	0 ppm	Day : 3	1.8	135	6.3	14.4
0013_03_01_M	0 ppm	Day : 23	2.0	146	6.5	14.3
0014_03_01_M	0 ppm	Day : 3	1.8	136	6.4	13.8
0014_03_01_M	0 ppm	Day : 23	2.1	120	6.7	16.2
0015_03_01_M	0 ppm	Day : 3	1.8	125	6.0	8.8
0015_03_01_M	0 ppm	Day : 23	1.9	112	6.4	16.2
0016_03_01_M	0 ppm	Day : 3	1.9	140	6.5	13.0
0016_03_01_M	0 ppm	Day : 23	1.9	121	6.4	10.9

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**MALE**


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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0017_03_01_M	0 ppm	Day : 3	1.5	201	5.6	16.7
0017_03_01_M	0 ppm	Day : 23	1.9	129	6.5	14.4
0018_03_01_M	0 ppm	Day : 3	1.7	157	6.2	0.1
0018_03_01_M	0 ppm	Day : 23	1.9	116	6.4	11.8
0019_03_01_M	0 ppm	Day : 3	1.7	115	6.3	12.9
0019_03_01_M	0 ppm	Day : 23	1.9	115	6.5	10.7
0020_03_01_M	0 ppm	Day : 3	1.7	133	6.4	13.3
0020_03_01_M	0 ppm	Day : 23	1.8	98	6.4	13.0
0201_03_03_M	6.25 ppm	Day : 93	2.5	118	7.5	24.2
0202_03_03_M	6.25 ppm	Day : 93	2.6	121	7.5	22.0
0203_03_03_M	6.25 ppm	Day : 93	2.6	129	7.6	24.3
0204_03_03_M	6.25 ppm	Day : 93	2.6	118	7.5	23.9
0205_03_03_M	6.25 ppm	Day : 93	2.7	126	7.7	26.7
0206_03_03_M	6.25 ppm	Day : 93	2.5	113	7.5	28.7
0207_03_03_M	6.25 ppm	Day : 93	2.5	123	7.5	33.2
0208_03_03_M	6.25 ppm	Day : 93	2.6	124	7.5	19.8
0209_03_03_M	6.25 ppm	Day : 93	2.4	123	7.2	26.8
0210_03_03_M	6.25 ppm	Day : 93	2.4	136	7.3	25.1
0211_03_03_M	6.25 ppm	Day : 3	1.7	134	6.1	12.7
0211_03_03_M	6.25 ppm	Day : 23	1.9	115	6.6	12.3
0212_03_03_M	6.25 ppm	Day : 3	1.8	149	6.2	6.7
0212_03_03_M	6.25 ppm	Day : 23	2.0	129	6.7	13.4

## MALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0213_03_03_M	6.25 ppm	Day : 3	1.7	148	6.2	12.3
0213_03_03_M	6.25 ppm	Day : 23	2.1	122	6.7	13.6
0214_03_03_M	6.25 ppm	Day : 3	1.7	144	6.3	12.8
0214_03_03_M	6.25 ppm	Day : 23	1.9	121	6.5	7.9
0215_03_03_M	6.25 ppm	Day : 3	1.7	133	6.2	12.2
0215_03_03_M	6.25 ppm	Day : 23	2.0	118	6.7	15.7
0216_03_03_M	6.25 ppm	Day : 3	1.8	136	6.4	11.8
0216_03_03_M	6.25 ppm	Day : 23	2.0	118	6.6	12.4
0217_03_03_M	6.25 ppm	Day : 3	1.6	137	6.0	11.2
0217_03_03_M	6.25 ppm	Day : 23	2.0	144	6.4	12.7
0218_03_03_M	6.25 ppm	Day : 3	1.8	142	6.3	12.8
0218_03_03_M	6.25 ppm	Day : 23	2.0	152	6.7	18.1
0219_03_03_M	6.25 ppm	Day : 3	1.7	140	6.3	12.4
0219_03_03_M	6.25 ppm	Day : 23	1.9	125	6.6	16.2
0220_03_03_M	6.25 ppm	Day : 3	1.8	144	6.3	11.3
0220_03_03_M	6.25 ppm	Day : 23	1.9	148	6.4	12.9
0401_03_05_M	12.5 ppm	Day : 93	2.5	117	7.4	19.1
0402_03_05_M	12.5 ppm	Day : 93	2.6	124	7.7	23.1
0403_03_05_M	12.5 ppm	Day : 93	2.5	124	7.3	27.5
0404_03_05_M	12.5 ppm	Day : 93	2.5	143	7.4	32.4
0405_03_05_M	12.5 ppm	Day : 93	2.7	129	7.7	28.0
0406_03_05_M	12.5 ppm	Day : 93	2.4	129	7.2	23.9

## MALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0407_03_05_M	12.5 ppm	Day : 93	2.6	119	7.4	22.3
0408_03_05_M	12.5 ppm	Day : 93	2.4	116	7.3	21.4
0409_03_05_M	12.5 ppm	Day : 93	2.4	143	7.2	20.7
0410_03_05_M	12.5 ppm	Day : 93	2.5	120	7.3	20.2
0411_03_05_M	12.5 ppm	Day : 3	1.7	119	6.1	13.3
0411_03_05_M	12.5 ppm	Day : 23	1.9	110	6.5	14.3
0412_03_05_M	12.5 ppm	Day : 3	1.7	130	6.0	13.7
0412_03_05_M	12.5 ppm	Day : 23	2.0	126	6.8	16.6
0413_03_05_M	12.5 ppm	Day : 3	1.7	145	6.1	5.0
0413_03_05_M	12.5 ppm	Day : 23	1.9	124	6.4	11.4
0414_03_05_M	12.5 ppm	Day : 3	1.6	175	5.9	17.4
0414_03_05_M	12.5 ppm	Day : 23	2.0	126	6.5	15.6
0415_03_05_M	12.5 ppm	Day : 3	1.8	118	6.4	14.6
0415_03_05_M	12.5 ppm	Day : 23	2.0	143	6.5	13.5
0416_03_05_M	12.5 ppm	Day : 3	1.9	143	6.5	15.0
0416_03_05_M	12.5 ppm	Day : 23	1.9	119	6.4	13.2
0417_03_05_M	12.5 ppm	Day : 3	1.8	145	6.2	11.9
0417_03_05_M	12.5 ppm	Day : 23	2.2	140	6.9	17.0
0418_03_05_M	12.5 ppm	Day : 3	1.7	132	6.2	14.4
0418_03_05_M	12.5 ppm	Day : 23	1.9	127	6.4	11.4
0419_03_05_M	12.5 ppm	Day : 3	1.8	133	6.3	11.2
0419_03_05_M	12.5 ppm	Day : 23	1.9	126	6.5	12.4

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**MALE**


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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0420_03_05_M	12.5 ppm	Day : 3	1.8	137	6.2	14.2
0420_03_05_M	12.5 ppm	Day : 23	2.1	136	6.7	12.4
0601_03_07_M	25 ppm	Day : 93	2.5	132	7.4	21.0
0602_03_07_M	25 ppm	Day : 93	2.6	110	7.6	23.2
0603_03_07_M	25 ppm	Day : 93	2.5	129	7.4	25.4
0604_03_07_M	25 ppm	Day : 93	2.5	119	7.6	27.9
0605_03_07_M	25 ppm	Day : 93	2.4	121	7.2	19.1
0606_03_07_M	25 ppm	Day : 93	2.3	116	7.4	21.8
0607_03_07_M	25 ppm	Day : 93	2.4	127	7.3	22.4
0608_03_07_M	25 ppm	Day : 93	2.4	232	7.2	21.5
0609_03_07_M	25 ppm	Day : 93	2.4	117	7.4	20.3
0610_03_07_M	25 ppm	Day : 93	2.4	145	7.2	26.0
0611_03_07_M	25 ppm	Day : 3	1.8	125	6.2	12.0
0611_03_07_M	25 ppm	Day : 23	1.9	120	6.5	8.2
0612_03_07_M	25 ppm	Day : 3	1.6	159	5.6	15.3
0612_03_07_M	25 ppm	Day : 23	1.9	124	6.6	14.8
0613_03_07_M	25 ppm	Day : 3	1.8	133	6.0	9.5
0613_03_07_M	25 ppm	Day : 23	1.9	106	6.4	10.8
0614_03_07_M	25 ppm	Day : 3	1.9	132	6.5	12.2
0614_03_07_M	25 ppm	Day : 23	2.0	116	6.6	13.7
0615_03_07_M	25 ppm	Day : 3	1.8	140	6.3	13.5
0615_03_07_M	25 ppm	Day : 23	1.9	121	6.3	11.1



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**MALE**


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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0616_03_07_M	25 ppm	Day : 3	1.8	170	6.4	4.5
0616_03_07_M	25 ppm	Day : 23	1.9	106	6.5	12.2
0617_03_07_M	25 ppm	Day : 3	1.8	131	6.3	13.6
0617_03_07_M	25 ppm	Day : 23	1.9	111	6.6	12.9
0618_03_07_M	25 ppm	Day : 3	1.8	134	6.3	12.8
0618_03_07_M	25 ppm	Day : 23	2.1	170	6.8	14.4
0619_03_07_M	25 ppm	Day : 3	1.8	136	6.3	12.6
0619_03_07_M	25 ppm	Day : 23	1.9	114	6.5	13.5
0620_03_07_M	25 ppm	Day : 3	2.0	135	6.6	14.2
0620_03_07_M	25 ppm	Day : 23	1.9	97	6.6	13.1
0801_03_09_M	50 ppm	Day : 93	2.6	120	7.6	30.7
0802_03_09_M	50 ppm	Day : 93	2.7	122	7.7	26.4
0803_03_09_M	50 ppm	Day : 93	2.6	125	7.7	28.4
0804_03_09_M	50 ppm	Day : 93	2.7	123	7.7	24.9
0805_03_09_M	50 ppm	Day : 93	2.5	132	7.5	25.2
0806_03_09_M	50 ppm	Day : 93	2.6	131	7.5	26.0
0807_03_09_M	50 ppm	Day : 93	2.5	110	7.6	20.8
0808_03_09_M	50 ppm	Day : 93	2.6	115	7.5	28.4
0809_03_09_M	50 ppm	Day : 93	2.4	173	7.1	17.2
0810_03_09_M	50 ppm	Day : 93	2.6	126	7.6	28.8
0811_03_09_M	50 ppm	Day : 3	1.8	127	6.2	7.3
0811_03_09_M	50 ppm	Day : 23	2.0	141	6.6	12.5

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:30

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0812_03_09_M	50 ppm	Day : 3	1.9	116	6.4	14.2
0812_03_09_M	50 ppm	Day : 23	1.9	138	6.4	13.8
0813_03_09_M	50 ppm	Day : 3	1.7	121	6.1	10.7
0813_03_09_M	50 ppm	Day : 23	2.0	125	6.5	7.5
0814_03_09_M	50 ppm	Day : 3	2.1	145	6.7	15.9
0814_03_09_M	50 ppm	Day : 23	2.0	99	6.6	12.4
0815_03_09_M	50 ppm	Day : 3	1.8	129	6.2	3.7
0815_03_09_M	50 ppm	Day : 23	2.0	121	6.5	13.7
0816_03_09_M	50 ppm	Day : 3	1.8	124	6.3	12.4
0816_03_09_M	50 ppm	Day : 23	2.0	137	6.8	15.1
0817_03_09_M	50 ppm	Day : 3	1.7	115	6.2	12.4
0817_03_09_M	50 ppm	Day : 23	2.1	118	6.7	16.1
0818_03_09_M	50 ppm	Day : 3	1.9	134	6.4	16.3
0818_03_09_M	50 ppm	Day : 23	2.1	103	6.8	13.4
0819_03_09_M	50 ppm	Day : 3	2.0	120	6.5	11.5
0819_03_09_M	50 ppm	Day : 23	2.2	125	6.8	15.4
0820_03_09_M	50 ppm	Day : 3	1.8	134	6.1	15.0
0820_03_09_M	50 ppm	Day : 23	2.0	95	6.7	12.9
1001_03_11_M	100 ppm	Day : 93	2.6	119	7.6	22.7
1002_03_11_M	100 ppm	Day : 93	2.4	123	7.4	23.6
1003_03_11_M	100 ppm	Day : 93	2.7	121	7.8	26.5
1004_03_11_M	100 ppm	Day : 93	2.6	116	7.7	24.3

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**MALE**


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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
1005_03_11_M	100 ppm	Day : 93	2.5	112	7.3	23.8
1006_03_11_M	100 ppm	Day : 93	2.6	127	7.5	25.2
1007_03_11_M	100 ppm	Day : 93	2.6	113	7.6	24.8
1008_03_11_M	100 ppm	Day : 93	2.5	122	7.4	21.9
1009_03_11_M	100 ppm	Day : 93	2.8	129	7.8	26.5
1010_03_11_M	100 ppm	Day : 93	2.8	130	7.9	30.4
1011_03_11_M	100 ppm	Day : 3	1.9	110	6.6	16.9
1011_03_11_M	100 ppm	Day : 23	2.1	102	6.9	22.0
1012_03_11_M	100 ppm	Day : 3	1.9	120	6.7	18.6
1012_03_11_M	100 ppm	Day : 23	2.2	127	6.8	26.2
1013_03_11_M	100 ppm	Day : 3	1.8	135	6.2	16.4
1013_03_11_M	100 ppm	Day : 23	2.0	97	6.8	19.0
1014_03_11_M	100 ppm	Day : 3	1.9	126	6.5	12.0
1014_03_11_M	100 ppm	Day : 23	2.1	105	6.9	31.6
1015_03_11_M	100 ppm	Day : 3	1.9	116	6.4	12.6
1015_03_11_M	100 ppm	Day : 23	2.1	101	6.8	19.4
1016_03_11_M	100 ppm	Day : 3	1.9	132	6.4	13.3
1016_03_11_M	100 ppm	Day : 23	2.0	106	6.6	30.9
1017_03_11_M	100 ppm	Day : 3	2.0	121	6.4	20.0
1017_03_11_M	100 ppm	Day : 23	2.0	98	6.7	44.2
1018_03_11_M	100 ppm	Day : 3	2.0	127	6.7	15.0
1018_03_11_M	100 ppm	Day : 23	2.1	118	6.8	13.9

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
1019_03_11_M	100 ppm	Day : 3	2.0	118	6.4	21.1
1019_03_11_M	100 ppm	Day : 23	2.0	91	6.7	33.6
1020_03_11_M	100 ppm	Day : 3	1.9	141	6.4	18.3
1020_03_11_M	100 ppm	Day : 23	2.0	113	6.7	27.8

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0101_03_02_F	0 ppm	Day : 93	5.4	2.3	168	103
0102_03_02_F	0 ppm	Day : 93	5.2	2.4	216	56
0103_03_02_F	0 ppm	Day : 93	5.0	2.4	186	67
0104_03_02_F	0 ppm	Day : 93	4.9	2.5	200	100
0105_03_02_F	0 ppm	Day : 93	5.0	2.5	212	70
0106_03_02_F	0 ppm	Day : 93	4.9	2.3	232	55
0107_03_02_F	0 ppm	Day : 93	5.2	2.5	195	86
0108_03_02_F	0 ppm	Day : 93	5.0	2.5	226	58
0109_03_02_F	0 ppm	Day : 93	5.0	2.5	209	82
0110_03_02_F	0 ppm	Day : 93	5.3	2.5	191	69
0111_03_02_F	0 ppm	Day : 3	4.4	2.9	445	49
0111_03_02_F	0 ppm	Day : 23	4.4	2.8	292	37
0112_03_02_F	0 ppm	Day : 3	4.4	2.8	478	52
0112_03_02_F	0 ppm	Day : 23	4.6	2.9	305	39
0113_03_02_F	0 ppm	Day : 3	4.7	2.9	473	52
0113_03_02_F	0 ppm	Day : 23	4.7	2.8	291	38
0114_03_02_F	0 ppm	Day : 3	4.6	2.9	483	45
0114_03_02_F	0 ppm	Day : 23	4.5	2.8	296	33
0115_03_02_F	0 ppm	Day : 3	4.5	3.0	507	48
0115_03_02_F	0 ppm	Day : 23	4.5	2.6	302	38
0116_03_02_F	0 ppm	Day : 3	4.4	2.8	490	48
0116_03_02_F	0 ppm	Day : 23	4.7	2.9	282	45

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0117_03_02_F	0 ppm	Day : 3	4.8	2.5	522	46
0117_03_02_F	0 ppm	Day : 23	4.7	2.8	320	38
0118_03_02_F	0 ppm	Day : 3	4.7	2.6	541	53
0118_03_02_F	0 ppm	Day : 23	4.8	3.0	311	39
0119_03_02_F	0 ppm	Day : 3	4.5	3.0	497	47
0119_03_02_F	0 ppm	Day : 23	4.6	2.9	306	38
0120_03_02_F	0 ppm	Day : 3	4.5	2.8	484	44
0120_03_02_F	0 ppm	Day : 23	4.6	3.1	298	37
0301_03_04_F	6.25 ppm	Day : 93	5.4	2.3	202	96
0302_03_04_F	6.25 ppm	Day : 93	5.2	2.3	174	54
0303_03_04_F	6.25 ppm	Day : 93	5.1	2.6	198	62
0304_03_04_F	6.25 ppm	Day : 93	5.3	2.4	180	67
0305_03_04_F	6.25 ppm	Day : 93	5.1	2.4	179	79
0306_03_04_F	6.25 ppm	Day : 93	5.0	2.4	212	53
0307_03_04_F	6.25 ppm	Day : 93	5.7	2.4	194	62
0308_03_04_F	6.25 ppm	Day : 93	5.1	2.7	206	48
0309_03_04_F	6.25 ppm	Day : 93	5.1	2.4	188	71
0310_03_04_F	6.25 ppm	Day : 93	4.9	2.6	189	57
0311_03_04_F	6.25 ppm	Day : 3	4.3	2.7	395	60
0311_03_04_F	6.25 ppm	Day : 23	4.8	3.4	284	45
0312_03_04_F	6.25 ppm	Day : 3	4.5	2.8	468	42
0312_03_04_F	6.25 ppm	Day : 23	4.8	3.0	278	41

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0313_03_04_F	6.25 ppm	Day : 3	4.2	2.8	479	58
0313_03_04_F	6.25 ppm	Day : 23	4.6	2.9	313	35
0314_03_04_F	6.25 ppm	Day : 3	4.5	2.5	465	38
0314_03_04_F	6.25 ppm	Day : 23	4.8	3.0	290	36
0315_03_04_F	6.25 ppm	Day : 3	4.6	2.6	466	50
0315_03_04_F	6.25 ppm	Day : 23	5.0	2.8	280	37
0316_03_04_F	6.25 ppm	Day : 3	4.6	2.6	492	48
0316_03_04_F	6.25 ppm	Day : 23	4.6	2.9	289	37
0317_03_04_F	6.25 ppm	Day : 3	4.4	2.9	508	44
0317_03_04_F	6.25 ppm	Day : 23	4.8	2.8	319	42
0318_03_04_F	6.25 ppm	Day : 3	4.4	2.9	436	39
0318_03_04_F	6.25 ppm	Day : 23	4.8	2.8	267	41
0319_03_04_F	6.25 ppm	Day : 3	4.2	2.8	453	39
0319_03_04_F	6.25 ppm	Day : 23	4.6	3.1	288	34
0320_03_04_F	6.25 ppm	Day : 3	4.5	2.8	509	46
0320_03_04_F	6.25 ppm	Day : 23	4.7	2.8	268	37
0501_03_06_F	12.5 ppm	Day : 93	5.4	2.6	202	67
0502_03_06_F	12.5 ppm	Day : 93	5.1	2.6	173	56
0503_03_06_F	12.5 ppm	Day : 93	5.6	2.3	169	54
0504_03_06_F	12.5 ppm	Day : 93	5.2	2.5	177	55
0505_03_06_F	12.5 ppm	Day : 93	5.4	2.3	166	46
0506_03_06_F	12.5 ppm	Day : 93	5.2	2.5	225	48

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0507_03_06_F	12.5 ppm	Day : 93	5.1	2.4	207	46
0508_03_06_F	12.5 ppm	Day : 93	5.4	2.3	204	47
0509_03_06_F	12.5 ppm	Day : 93	5.2	2.4	179	60
0510_03_06_F	12.5 ppm	Day : 93	5.1	2.3	153	98
0511_03_06_F	12.5 ppm	Day : 3	4.4	2.8	453	44
0511_03_06_F	12.5 ppm	Day : 23	4.7	2.9	299	35
0512_03_06_F	12.5 ppm	Day : 3	4.3	2.9	477	42
0512_03_06_F	12.5 ppm	Day : 23	4.6	2.7	261	35
0513_03_06_F	12.5 ppm	Day : 3	4.4	2.6	497	47
0513_03_06_F	12.5 ppm	Day : 23	4.6	2.9	316	37
0514_03_06_F	12.5 ppm	Day : 3	4.5	2.4	482	43
0514_03_06_F	12.5 ppm	Day : 23	4.7	2.9	268	37
0515_03_06_F	12.5 ppm	Day : 3	4.6	2.7	467	42
0515_03_06_F	12.5 ppm	Day : 23	4.8	3.0	326	44
0516_03_06_F	12.5 ppm	Day : 3	4.5	2.6	495	47
0516_03_06_F	12.5 ppm	Day : 23	4.7	2.9	282	37
0517_03_06_F	12.5 ppm	Day : 3	4.7	2.8	456	31
0517_03_06_F	12.5 ppm	Day : 23	4.8	3.0	270	35
0518_03_06_F	12.5 ppm	Day : 3	4.5	2.6	479	40
0518_03_06_F	12.5 ppm	Day : 23	4.6	2.9	319	37
0519_03_06_F	12.5 ppm	Day : 3	4.6	3.1	480	45
0519_03_06_F	12.5 ppm	Day : 23	4.6	3.1	287	44



Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0520_03_06_F	12.5 ppm	Day : 3	4.4	2.8	492	47
0520_03_06_F	12.5 ppm	Day : 23	4.6	3.1	299	37
0701_03_08_F	25 ppm	Day : 93	5.3	2.4	180	49
0702_03_08_F	25 ppm	Day : 93	5.3	2.7	175	52
0703_03_08_F	25 ppm	Day : 93	5.2	2.4	183	65
0704_03_08_F	25 ppm	Day : 93	5.0	2.4	195	45
0705_03_08_F	25 ppm	Day : 93	5.2	2.4	196	39
0706_03_08_F	25 ppm	Day : 93	5.2	2.5	198	47
0707_03_08_F	25 ppm	Day : 93	5.4	2.3	201	54
0708_03_08_F	25 ppm	Day : 93	5.2	2.6	202	49
0709_03_08_F	25 ppm	Day : 93	5.3	2.7	167	49
0710_03_08_F	25 ppm	Day : 93	5.0	2.4	188	61
0711_03_08_F	25 ppm	Day : 3	4.5	2.8	543	46
0711_03_08_F	25 ppm	Day : 23	4.9	3.1	277	37
0712_03_08_F	25 ppm	Day : 3	4.4	2.6	504	52
0712_03_08_F	25 ppm	Day : 23	4.7	3.1	313	34
0713_03_08_F	25 ppm	Day : 3	4.6	2.6	505	42
0713_03_08_F	25 ppm	Day : 23	4.7	2.9	302	33
0714_03_08_F	25 ppm	Day : 3	4.6	2.6	503	42
0714_03_08_F	25 ppm	Day : 23	4.7	2.9	318	35
0715_03_08_F	25 ppm	Day : 3	4.8	2.8	510	48
0715_03_08_F	25 ppm	Day : 23	5.0	2.8	295	41

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0716_03_08_F	25 ppm	Day : 3	4.5	2.6	486	45
0716_03_08_F	25 ppm	Day : 23	4.8	3.0	309	36
0717_03_08_F	25 ppm	Day : 3	4.3	2.7	489	55
0717_03_08_F	25 ppm	Day : 23	5.0	2.8	320	39
0718_03_08_F	25 ppm	Day : 3	4.7	2.6	512	49
0718_03_08_F	25 ppm	Day : 23	4.6	3.1	282	31
0719_03_08_F	25 ppm	Day : 3	4.5	2.6	503	46
0719_03_08_F	25 ppm	Day : 23	4.6	3.1	300	38
0720_03_08_F	25 ppm	Day : 3	4.8	2.5	522	45
0720_03_08_F	25 ppm	Day : 23	4.6	2.9	350	45
0901_03_10_F	50 ppm	Day : 93	5.2	2.4	190	50
0902_03_10_F	50 ppm	Day : 93	5.2	2.5	194	50
0903_03_10_F	50 ppm	Day : 93	5.2	2.4	179	49
0904_03_10_F	50 ppm	Day : 93	5.2	2.3	185	54
0905_03_10_F	50 ppm	Day : 93	5.0	2.4	236	51
0906_03_10_F	50 ppm	Day : 93	5.1	2.4	208	54
0907_03_10_F	50 ppm	Day : 93	5.3	2.4	210	52
0908_03_10_F	50 ppm	Day : 93	5.2	2.5	195	43
0909_03_10_F	50 ppm	Day : 93	5.5	2.3	203	62
0910_03_10_F	50 ppm	Day : 93	5.0	2.5	197	53
0911_03_10_F	50 ppm	Day : 3	4.7	2.5	541	47
0911_03_10_F	50 ppm	Day : 23	5.0	2.6	319	37

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
0912_03_10_F	50 ppm	Day : 3	4.6	2.9	530	46
0912_03_10_F	50 ppm	Day : 23	4.8	2.8	333	37
0913_03_10_F	50 ppm	Day : 3	4.5	2.6	485	41
0913_03_10_F	50 ppm	Day : 23	4.9	2.9	288	33
0914_03_10_F	50 ppm	Day : 3	4.6	2.6	552	47
0914_03_10_F	50 ppm	Day : 23	4.9	3.1	338	33
0915_03_10_F	50 ppm	Day : 3	4.5	2.6	533	46
0915_03_10_F	50 ppm	Day : 23	4.6	3.3	314	34
0916_03_10_F	50 ppm	Day : 3	4.6	2.7	471	45
0916_03_10_F	50 ppm	Day : 23	4.9	2.9	324	33
0917_03_10_F	50 ppm	Day : 3	4.5	2.6	504	37
0917_03_10_F	50 ppm	Day : 23	4.7	3.1	312	39
0918_03_10_F	50 ppm	Day : 3	4.7	2.6	510	45
0918_03_10_F	50 ppm	Day : 23	4.8	2.7	324	33
0919_03_10_F	50 ppm	Day : 3	4.7	2.5	473	39
0919_03_10_F	50 ppm	Day : 23	5.1	2.7	314	33
0920_03_10_F	50 ppm	Day : 3	4.5	2.6	514	38
0920_03_10_F	50 ppm	Day : 23	4.8	3.0	331	38
1101_03_12_F	100 ppm	Day : 93	5.2	2.3	203	52
1102_03_12_F	100 ppm	Day : 93	5.4	2.0	193	51
1103_03_12_F	100 ppm	Day : 93	5.0	2.4	197	44
1104_03_12_F	100 ppm	Day : 93	5.1	2.2	221	55

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**FEMALE**

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Animal No.	Dose	Time In Study	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1105_03_12_F	100 ppm	Day : 93	5.1	2.4	220	49
1106_03_12_F	100 ppm	Day : 93	5.0	2.5	203	58
1107_03_12_F	100 ppm	Day : 93	5.1	2.2	220	50
1108_03_12_F	100 ppm	Day : 93	5.0	2.4	217	43
1109_03_12_F	100 ppm	Day : 93	5.4	2.2	222	50
1110_03_12_F	100 ppm	Day : 93	5.1	2.3	232	61
1111_03_12_F	100 ppm	Day : 3	4.5	2.6	494	75
1111_03_12_F	100 ppm	Day : 23	5.1	2.8	323	58
1112_03_12_F	100 ppm	Day : 3	4.7	2.5	541	62
1112_03_12_F	100 ppm	Day : 23	4.8	2.7	357	38
1113_03_12_F	100 ppm	Day : 3	4.6	2.7	546	65
1113_03_12_F	100 ppm	Day : 23	4.5	2.8	339	41
1114_03_12_F	100 ppm	Day : 3	4.9	2.6	505	62
1114_03_12_F	100 ppm	Day : 23	4.9	2.9	326	52
1115_03_12_F	100 ppm	Day : 3	4.7	2.6	560	68
1115_03_12_F	100 ppm	Day : 23	4.8	2.8	332	56
1116_03_12_F	100 ppm	Day : 3	4.7	2.6	500	55
1116_03_12_F	100 ppm	Day : 23	4.9	2.9	313	48
1117_03_12_F	100 ppm	Day : 3	4.6	2.6	479	65
1117_03_12_F	100 ppm	Day : 23	4.8	2.8	332	43
1118_03_12_F	100 ppm	Day : 3	4.7	2.6	521	55
1118_03_12_F	100 ppm	Day : 23	4.9	2.7	321	54

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:31

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	Albumin Globulin Ratio	ALP IU per L	ALT IU per L
1119_03_12_F	100 ppm	Day : 3	4.6	2.6	517	62
1119_03_12_F	100 ppm	Day : 23	4.9	2.9	326	50
1120_03_12_F	100 ppm	Day : 3	4.7	2.8	460	58
1120_03_12_F	100 ppm	Day : 23	5.0	2.8	290	49

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0101_03_02_F	0 ppm	Day : 93	3.8	13	184	0.4
0102_03_02_F	0 ppm	Day : 93	4.2	14	261	0.4
0103_03_02_F	0 ppm	Day : 93	5.9	16	160	0.4
0104_03_02_F	0 ppm	Day : 93	4.9	15	162	0.4
0105_03_02_F	0 ppm	Day : 93	5.2	15	160	0.3
0106_03_02_F	0 ppm	Day : 93	4.2	17	165	0.4
0107_03_02_F	0 ppm	Day : 93	5.1	15	208	0.4
0108_03_02_F	0 ppm	Day : 93	3.5	14	274	0.4
0109_03_02_F	0 ppm	Day : 93	4.8	14	206	0.4
0110_03_02_F	0 ppm	Day : 93	5.2	13	203	0.4
0111_03_02_F	0 ppm	Day : 3	2.7	11	552	0.3
0111_03_02_F	0 ppm	Day : 23	11.3	12	460	0.3
0112_03_02_F	0 ppm	Day : 3	4.5	9	611	0.3
0112_03_02_F	0 ppm	Day : 23	4.9	10	390	0.2
0113_03_02_F	0 ppm	Day : 3	3.7	11	458	0.3
0113_03_02_F	0 ppm	Day : 23	5.1	14	228	0.3
0114_03_02_F	0 ppm	Day : 3	4.1	13	503	0.3
0114_03_02_F	0 ppm	Day : 23	4.5	10	425	0.2
0115_03_02_F	0 ppm	Day : 3	6.7	9	1140	0.2
0115_03_02_F	0 ppm	Day : 23	22.9	10	215	0.3
0116_03_02_F	0 ppm	Day : 3	4.2	8	522	0.3
0116_03_02_F	0 ppm	Day : 23	7.9	11	241	0.2

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0117_03_02_F	0 ppm	Day : 3	9.2	9	936	0.3
0117_03_02_F	0 ppm	Day : 23	6.1	11	213	0.2
0118_03_02_F	0 ppm	Day : 3	7.6	11	457	0.3
0118_03_02_F	0 ppm	Day : 23	6.0	11	184	0.3
0119_03_02_F	0 ppm	Day : 3	4.0	13	455	0.3
0119_03_02_F	0 ppm	Day : 23	4.6	10	184	0.3
0120_03_02_F	0 ppm	Day : 3	4.1	11	364	0.3
0120_03_02_F	0 ppm	Day : 23	5.3	10	349	0.3
0301_03_04_F	6.25 ppm	Day : 93	4.2	15	89	0.4
0302_03_04_F	6.25 ppm	Day : 93	5.2	16	156	0.4
0303_03_04_F	6.25 ppm	Day : 93	4.4	18	175	0.4
0304_03_04_F	6.25 ppm	Day : 93	4.9	13	167	0.4
0305_03_04_F	6.25 ppm	Day : 93	18.9	18	225	0.4
0306_03_04_F	6.25 ppm	Day : 93	4.6	15	233	0.4
0307_03_04_F	6.25 ppm	Day : 93	4.5	14	142	0.4
0308_03_04_F	6.25 ppm	Day : 93	5.1	13	431	0.4
0309_03_04_F	6.25 ppm	Day : 93	4.7	13	195	0.4
0310_03_04_F	6.25 ppm	Day : 93	5.5	16	280	0.3
0311_03_04_F	6.25 ppm	Day : 3	6.9	12	3200	0.3
0311_03_04_F	6.25 ppm	Day : 23	12.5	15	516	0.3
0312_03_04_F	6.25 ppm	Day : 3	5.7	11	675	0.3
0312_03_04_F	6.25 ppm	Day : 23	5.4	12	245	0.3

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0312_03_04_F	6.25 ppm	Day : 23	5.4	12	245	0.3
0313_03_04_F	6.25 ppm	Day : 3	5.4	11	3040	0.3
0313_03_04_F	6.25 ppm	Day : 23	3.8	12	241	0.2
0314_03_04_F	6.25 ppm	Day : 3	7.2	13	871	0.3
0314_03_04_F	6.25 ppm	Day : 23	3.6	11	336	0.3
0315_03_04_F	6.25 ppm	Day : 3	5.5	11	799	0.4
0315_03_04_F	6.25 ppm	Day : 23	7.6	12	253	0.3
0316_03_04_F	6.25 ppm	Day : 3	4.7	9	521	0.3
0316_03_04_F	6.25 ppm	Day : 23	4.7	11	325	0.2
0317_03_04_F	6.25 ppm	Day : 3	3.6	7	538	0.3
0317_03_04_F	6.25 ppm	Day : 23	5.5	11	214	0.3
0318_03_04_F	6.25 ppm	Day : 3	4.8	12	278	0.3
0318_03_04_F	6.25 ppm	Day : 23	5.6	13	159	0.3
0319_03_04_F	6.25 ppm	Day : 3	8.9	10	894	0.3
0319_03_04_F	6.25 ppm	Day : 23	3.6	11	190	0.3
0320_03_04_F	6.25 ppm	Day : 3	5.6	10	651	0.4
0320_03_04_F	6.25 ppm	Day : 23	5.1	18	427	0.3
0501_03_06_F	12.5 ppm	Day : 93	5.8	18	369	0.4
0502_03_06_F	12.5 ppm	Day : 93	4.5	15	314	0.4
0503_03_06_F	12.5 ppm	Day : 93	4.1	14	174	0.4
0504_03_06_F	12.5 ppm	Day : 93	3.9	15	151	0.4
0505_03_06_F	12.5 ppm	Day : 93	5.2	15	199	0.4



## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0506_03_06_F	12.5 ppm	Day : 93	4.5	15	117	0.4
0507_03_06_F	12.5 ppm	Day : 93	3.8	13	219	0.4
0508_03_06_F	12.5 ppm	Day : 93	5.0	17	130	0.4
0509_03_06_F	12.5 ppm	Day : 93	4.7	14	299	0.4
0510_03_06_F	12.5 ppm	Day : 93	4.8	15	152	0.4
0511_03_06_F	12.5 ppm	Day : 3	5.2	11	1026	0.3
0511_03_06_F	12.5 ppm	Day : 23	6.9	10	250	0.3
0512_03_06_F	12.5 ppm	Day : 3	4.7	8	359	0.2
0512_03_06_F	12.5 ppm	Day : 23	26.4	10	327	0.2
0513_03_06_F	12.5 ppm	Day : 3	21.7	12	512	0.4
0513_03_06_F	12.5 ppm	Day : 23	6.9	13	351	0.3
0514_03_06_F	12.5 ppm	Day : 3	10.3	10	625	0.3
0514_03_06_F	12.5 ppm	Day : 23	4.4	12	243	0.3
0515_03_06_F	12.5 ppm	Day : 3	7.9	11	605	0.3
0515_03_06_F	12.5 ppm	Day : 23	3.0	14	363	0.3
0516_03_06_F	12.5 ppm	Day : 3	3.4	11	359	0.3
0516_03_06_F	12.5 ppm	Day : 23	6.2	12	244	0.2
0517_03_06_F	12.5 ppm	Day : 3	3.0	11	363	0.3
0517_03_06_F	12.5 ppm	Day : 23	3.1	15	323	0.2
0518_03_06_F	12.5 ppm	Day : 3	3.3	10	526	0.3
0518_03_06_F	12.5 ppm	Day : 23	4.2	12	265	0.3
0519_03_06_F	12.5 ppm	Day : 3	4.0	13	932	0.3

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0519_03_06_F	12.5 ppm	Day : 3	4.0	13	932	0.3
0519_03_06_F	12.5 ppm	Day : 23	6.7	13	341	0.3
0520_03_06_F	12.5 ppm	Day : 3	5.6	7	671	0.3
0520_03_06_F	12.5 ppm	Day : 23	4.0	11	338	0.3
0701_03_08_F	25 ppm	Day : 93	4.5	16	107	0.4
0702_03_08_F	25 ppm	Day : 93	4.8	16	168	0.4
0703_03_08_F	25 ppm	Day : 93	5.3	16	116	0.4
0704_03_08_F	25 ppm	Day : 93	4.4	17	324	0.4
0705_03_08_F	25 ppm	Day : 93	4.7	16	342	0.5
0706_03_08_F	25 ppm	Day : 93	4.2	16	96	0.5
0707_03_08_F	25 ppm	Day : 93	3.9	15	145	0.4
0708_03_08_F	25 ppm	Day : 93	4.0	14	134	0.4
0709_03_08_F	25 ppm	Day : 93	3.9	14	177	0.4
0710_03_08_F	25 ppm	Day : 93	14.4	18	148	0.5
0711_03_08_F	25 ppm	Day : 3	3.9	11	607	0.2
0711_03_08_F	25 ppm	Day : 23	3.7	12	171	0.3
0712_03_08_F	25 ppm	Day : 3	4.4	10	342	0.2
0712_03_08_F	25 ppm	Day : 23	7.1	13	326	0.3
0713_03_08_F	25 ppm	Day : 3	4.3	11	545	0.3
0713_03_08_F	25 ppm	Day : 23	4.5	12	213	0.3
0714_03_08_F	25 ppm	Day : 3	4.5	14	432	0.3
0714_03_08_F	25 ppm	Day : 23	5.3	11	239	0.3

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0715_03_08_F	25 ppm	Day : 3	4.2	12	346	0.2
0715_03_08_F	25 ppm	Day : 23	3.5	11	340	0.3
0716_03_08_F	25 ppm	Day : 3	4.1	10	668	0.3
0716_03_08_F	25 ppm	Day : 23	4.6	14	252	0.3
0717_03_08_F	25 ppm	Day : 3	5.7	10	955	0.3
0717_03_08_F	25 ppm	Day : 23	4.0	16	179	0.3
0718_03_08_F	25 ppm	Day : 3	6.9	8	452	0.3
0718_03_08_F	25 ppm	Day : 23	7.0	12	490	0.2
0719_03_08_F	25 ppm	Day : 3	4.1	9	466	0.3
0719_03_08_F	25 ppm	Day : 23	6.7	12	407	0.2
0720_03_08_F	25 ppm	Day : 3	5.4	12	280	0.3
0720_03_08_F	25 ppm	Day : 23	5.9	13	263	0.3
0901_03_10_F	50 ppm	Day : 93	4.5	15	239	0.5
0902_03_10_F	50 ppm	Day : 93	3.6	16	286	0.4
0903_03_10_F	50 ppm	Day : 93	4.3	15	257	0.4
0904_03_10_F	50 ppm	Day : 93	4.0	14	170	0.4
0905_03_10_F	50 ppm	Day : 93	4.6	16	180	0.4
0906_03_10_F	50 ppm	Day : 93	4.0	16	170	0.4
0907_03_10_F	50 ppm	Day : 93	4.5	18	300	0.4
0908_03_10_F	50 ppm	Day : 93	4.0	16	111	0.3
0909_03_10_F	50 ppm	Day : 93	4.8	17	226	0.5
0910_03_10_F	50 ppm	Day : 93	5.0	16	277	0.5

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
0910_03_10_F	50 ppm	Day : 93	5.0	16	277	0.5
0911_03_10_F	50 ppm	Day : 3	3.8	12	294	0.3
0911_03_10_F	50 ppm	Day : 23	4.2	16	333	0.3
0912_03_10_F	50 ppm	Day : 3	5.3	11	291	0.3
0912_03_10_F	50 ppm	Day : 23	3.6	11	299	0.3
0913_03_10_F	50 ppm	Day : 3	5.3	11	619	0.3
0913_03_10_F	50 ppm	Day : 23	4.2	12	249	0.3
0914_03_10_F	50 ppm	Day : 3	4.6	14	394	0.3
0914_03_10_F	50 ppm	Day : 23	6.2	13	241	0.3
0915_03_10_F	50 ppm	Day : 3	5.7	11	702	0.3
0915_03_10_F	50 ppm	Day : 23	4.1	14	272	0.3
0916_03_10_F	50 ppm	Day : 3	4.5	11	362	0.3
0916_03_10_F	50 ppm	Day : 23	4.8	14	167	0.2
0917_03_10_F	50 ppm	Day : 3	4.1	16	484	0.3
0917_03_10_F	50 ppm	Day : 23	4.7	14	208	0.3
0918_03_10_F	50 ppm	Day : 3	11.1	13	388	0.3
0918_03_10_F	50 ppm	Day : 23	3.0	15	386	0.3
0919_03_10_F	50 ppm	Day : 3	6.8	14	447	0.4
0919_03_10_F	50 ppm	Day : 23	3.0	12	281	0.3
0920_03_10_F	50 ppm	Day : 3	7.0	14	457	0.3
0920_03_10_F	50 ppm	Day : 23	4.5	11	236	0.3
1101_03_12_F	100 ppm	Day : 93	3.9	16	282	0.4

## FEMALE

Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
1102_03_12_F	100 ppm	Day : 93	4.2	15	153	0.5
1103_03_12_F	100 ppm	Day : 93	3.2	14	462	0.4
1104_03_12_F	100 ppm	Day : 93	3.6	16	153	0.4
1105_03_12_F	100 ppm	Day : 93	4.2	15	130	0.5
1106_03_12_F	100 ppm	Day : 93	4.6	14	294	0.4
1107_03_12_F	100 ppm	Day : 93	3.9	16	204	0.5
1108_03_12_F	100 ppm	Day : 93	11.1	17	335	0.5
1109_03_12_F	100 ppm	Day : 93	3.6	14	339	0.5
1110_03_12_F	100 ppm	Day : 93	3.5	14	188	0.4
1111_03_12_F	100 ppm	Day : 3	26.3	18	1268	0.3
1111_03_12_F	100 ppm	Day : 23	5.5	18	251	0.3
1112_03_12_F	100 ppm	Day : 3	7.9	14	367	0.3
1112_03_12_F	100 ppm	Day : 23	5.6	13	199	0.3
1113_03_12_F	100 ppm	Day : 3	5.7	15	1692	0.3
1113_03_12_F	100 ppm	Day : 23	5.3	12	541	0.3
1114_03_12_F	100 ppm	Day : 3	6.0	17	287	0.3
1114_03_12_F	100 ppm	Day : 23	3.9	16	243	0.3
1115_03_12_F	100 ppm	Day : 3	7.3	14	662	0.3
1115_03_12_F	100 ppm	Day : 23	2.9	13	254	0.3
1116_03_12_F	100 ppm	Day : 3	4.7	11	529	0.3
1116_03_12_F	100 ppm	Day : 23	6.5	14	329	0.3
1117_03_12_F	100 ppm	Day : 3	3.0	16	692	0.3

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:32

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Bile Acids Per G Tissue umol per g	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L
1117_03_12_F	100 ppm	Day : 3	3.0	16	692	0.3
1117_03_12_F	100 ppm	Day : 23	3.7	15	249	0.3
1118_03_12_F	100 ppm	Day : 3	8.8	16	506	0.3
1118_03_12_F	100 ppm	Day : 23	4.8	17	186	0.3
1119_03_12_F	100 ppm	Day : 3	5.3	14	635	0.3
1119_03_12_F	100 ppm	Day : 23	4.4	15	460	0.3
1120_03_12_F	100 ppm	Day : 3	6.5	16	381	0.3
1120_03_12_F	100 ppm	Day : 23	3.7	14	284	0.3

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0101_03_02_F	0 ppm	Day : 93	2.4	115	7.8	19.8
0102_03_02_F	0 ppm	Day : 93	2.2	123	7.4	15.4
0103_03_02_F	0 ppm	Day : 93	2.1	128	7.1	17.1
0104_03_02_F	0 ppm	Day : 93	2.0	120	6.9	22.2
0105_03_02_F	0 ppm	Day : 93	2.0	136	7.0	16.0
0106_03_02_F	0 ppm	Day : 93	2.1	127	7.0	12.0
0107_03_02_F	0 ppm	Day : 93	2.1	137	7.3	20.2
0108_03_02_F	0 ppm	Day : 93	2.0	111	7.0	14.8
0109_03_02_F	0 ppm	Day : 93	2.0	128	7.0	21.1
0110_03_02_F	0 ppm	Day : 93	2.1	119	7.4	20.8
0111_03_02_F	0 ppm	Day : 3	1.5	111	5.9	13.9
0111_03_02_F	0 ppm	Day : 23	1.6	190	6.0	7.3
0112_03_02_F	0 ppm	Day : 3	1.6	126	6.0	7.6
0112_03_02_F	0 ppm	Day : 23	1.6	127	6.2	11.5
0113_03_02_F	0 ppm	Day : 3	1.6	123	6.3	13.8
0113_03_02_F	0 ppm	Day : 23	1.7	117	6.4	13.6
0114_03_02_F	0 ppm	Day : 3	1.6	119	6.2	11.7
0114_03_02_F	0 ppm	Day : 23	1.6	121	6.1	7.8
0115_03_02_F	0 ppm	Day : 3	1.5	129	6.0	4.7
0115_03_02_F	0 ppm	Day : 23	1.7	196	6.2	11.3
0116_03_02_F	0 ppm	Day : 3	1.6	129	6.0	10.0
0116_03_02_F	0 ppm	Day : 23	1.6	122	6.3	13.6

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:32

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0117_03_02_F	0 ppm	Day : 3	1.9	169	6.7	7.4
0117_03_02_F	0 ppm	Day : 23	1.7	175	6.4	12.1
0118_03_02_F	0 ppm	Day : 3	1.8	162	6.5	14.8
0118_03_02_F	0 ppm	Day : 23	1.6	112	6.4	12.9
0119_03_02_F	0 ppm	Day : 3	1.5	126	6.0	11.6
0119_03_02_F	0 ppm	Day : 23	1.6	122	6.2	11.5
0120_03_02_F	0 ppm	Day : 3	1.6	135	6.1	16.0
0120_03_02_F	0 ppm	Day : 23	1.5	134	6.1	13.0
0301_03_04_F	6.25 ppm	Day : 93	2.4	133	7.8	21.1
0302_03_04_F	6.25 ppm	Day : 93	2.3	126	7.5	15.2
0303_03_04_F	6.25 ppm	Day : 93	2.0	130	7.1	13.7
0304_03_04_F	6.25 ppm	Day : 93	2.2	116	7.5	13.1
0305_03_04_F	6.25 ppm	Day : 93	2.1	200	7.2	17.9
0306_03_04_F	6.25 ppm	Day : 93	2.1	128	7.1	15.3
0307_03_04_F	6.25 ppm	Day : 93	2.4	119	8.1	17.5
0308_03_04_F	6.25 ppm	Day : 93	1.9	134	7.0	15.2
0309_03_04_F	6.25 ppm	Day : 93	2.1	125	7.2	16.7
0310_03_04_F	6.25 ppm	Day : 93	1.9	132	6.8	16.2
0311_03_04_F	6.25 ppm	Day : 3	1.6	167	5.9	3.4
0311_03_04_F	6.25 ppm	Day : 23	1.4	82	6.2	4.5
0312_03_04_F	6.25 ppm	Day : 3	1.6	151	6.1	2.6
0312_03_04_F	6.25 ppm	Day : 23	1.6	92	6.4	13.8



## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0313_03_04_F	6.25 ppm	Day : 3	1.5	170	5.7	4.3
0313_03_04_F	6.25 ppm	Day : 23	1.6	115	6.2	13.0
0314_03_04_F	6.25 ppm	Day : 3	1.8	146	6.3	4.7
0314_03_04_F	6.25 ppm	Day : 23	1.6	110	6.4	10.7
0315_03_04_F	6.25 ppm	Day : 3	1.8	180	6.4	11.8
0315_03_04_F	6.25 ppm	Day : 23	1.8	95	6.8	14.5
0316_03_04_F	6.25 ppm	Day : 3	1.8	127	6.4	8.6
0316_03_04_F	6.25 ppm	Day : 23	1.6	138	6.2	12.3
0317_03_04_F	6.25 ppm	Day : 3	1.5	137	5.9	11.6
0317_03_04_F	6.25 ppm	Day : 23	1.7	124	6.5	15.1
0318_03_04_F	6.25 ppm	Day : 3	1.5	115	5.9	13.7
0318_03_04_F	6.25 ppm	Day : 23	1.7	100	6.5	12.7
0319_03_04_F	6.25 ppm	Day : 3	1.5	176	5.7	14.2
0319_03_04_F	6.25 ppm	Day : 23	1.5	118	6.1	13.4
0320_03_04_F	6.25 ppm	Day : 3	1.6	149	6.1	5.4
0320_03_04_F	6.25 ppm	Day : 23	1.7	98	6.4	11.9
0501_03_06_F	12.5 ppm	Day : 93	2.1	181	7.5	11.5
0502_03_06_F	12.5 ppm	Day : 93	2.0	125	7.1	14.7
0503_03_06_F	12.5 ppm	Day : 93	2.4	120	8.0	12.0
0504_03_06_F	12.5 ppm	Day : 93	2.1	128	7.3	15.8
0505_03_06_F	12.5 ppm	Day : 93	2.3	113	7.7	14.0
0506_03_06_F	12.5 ppm	Day : 93	2.1	115	7.3	14.5

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0507_03_06_F	12.5 ppm	Day : 93	2.1	120	7.2	15.4
0508_03_06_F	12.5 ppm	Day : 93	2.3	120	7.7	13.8
0509_03_06_F	12.5 ppm	Day : 93	2.2	118	7.4	15.5
0510_03_06_F	12.5 ppm	Day : 93	2.2	134	7.3	22.3
0511_03_06_F	12.5 ppm	Day : 3	1.6	116	6.0	4.3
0511_03_06_F	12.5 ppm	Day : 23	1.6	121	6.3	10.6
0512_03_06_F	12.5 ppm	Day : 3	1.5	125	5.8	9.9
0512_03_06_F	12.5 ppm	Day : 23	1.7	142	6.3	8.5
0513_03_06_F	12.5 ppm	Day : 3	1.7	184	6.1	13.0
0513_03_06_F	12.5 ppm	Day : 23	1.6	134	6.2	11.8
0514_03_06_F	12.5 ppm	Day : 3	1.9	136	6.4	9.2
0514_03_06_F	12.5 ppm	Day : 23	1.6	98	6.3	11.8
0515_03_06_F	12.5 ppm	Day : 3	1.7	122	6.3	9.7
0515_03_06_F	12.5 ppm	Day : 23	1.6	134	6.4	14.2
0516_03_06_F	12.5 ppm	Day : 3	1.7	133	6.2	12.9
0516_03_06_F	12.5 ppm	Day : 23	1.6	120	6.3	12.1
0517_03_06_F	12.5 ppm	Day : 3	1.7	125	6.4	13.3
0517_03_06_F	12.5 ppm	Day : 23	1.6	83	6.4	12.6
0518_03_06_F	12.5 ppm	Day : 3	1.7	137	6.2	7.0
0518_03_06_F	12.5 ppm	Day : 23	1.6	135	6.2	10.7
0519_03_06_F	12.5 ppm	Day : 3	1.5	129	6.1	6.5
0519_03_06_F	12.5 ppm	Day : 23	1.5	108	6.1	10.6

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0520_03_06_F	12.5 ppm	Day : 3	1.6	135	6.0	5.5
0520_03_06_F	12.5 ppm	Day : 23	1.5	99	6.1	12.2
0701_03_08_F	25 ppm	Day : 93	2.2	119	7.5	12.0
0702_03_08_F	25 ppm	Day : 93	2.0	131	7.3	14.1
0703_03_08_F	25 ppm	Day : 93	2.2	122	7.4	16.0
0704_03_08_F	25 ppm	Day : 93	2.1	123	7.1	13.9
0705_03_08_F	25 ppm	Day : 93	2.2	132	7.4	14.8
0706_03_08_F	25 ppm	Day : 93	2.1	111	7.3	13.0
0707_03_08_F	25 ppm	Day : 93	2.3	110	7.7	14.1
0708_03_08_F	25 ppm	Day : 93	2.0	126	7.2	16.5
0709_03_08_F	25 ppm	Day : 93	2.0	117	7.3	14.5
0710_03_08_F	25 ppm	Day : 93	2.1	228	7.1	13.7
0711_03_08_F	25 ppm	Day : 3	1.6	124	6.1	11.2
0711_03_08_F	25 ppm	Day : 23	1.6	103	6.5	13.3
0712_03_08_F	25 ppm	Day : 3	1.7	123	6.1	10.4
0712_03_08_F	25 ppm	Day : 23	1.5	98	6.2	13.1
0713_03_08_F	25 ppm	Day : 3	1.8	124	6.4	12.6
0713_03_08_F	25 ppm	Day : 23	1.6	113	6.3	12.4
0714_03_08_F	25 ppm	Day : 3	1.8	129	6.4	10.5
0714_03_08_F	25 ppm	Day : 23	1.6	125	6.3	11.9
0715_03_08_F	25 ppm	Day : 3	1.7	130	6.5	12.6
0715_03_08_F	25 ppm	Day : 23	1.8	129	6.8	15.0

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0716_03_08_F	25 ppm	Day : 3	1.7	119	6.2	11.7
0716_03_08_F	25 ppm	Day : 23	1.6	110	6.4	13.1
0717_03_08_F	25 ppm	Day : 3	1.6	146	5.9	12.9
0717_03_08_F	25 ppm	Day : 23	1.8	89	6.8	14.8
0718_03_08_F	25 ppm	Day : 3	1.8	145	6.5	12.0
0718_03_08_F	25 ppm	Day : 23	1.5	102	6.1	7.1
0719_03_08_F	25 ppm	Day : 3	1.7	144	6.2	10.5
0719_03_08_F	25 ppm	Day : 23	1.5	122	6.1	8.8
0720_03_08_F	25 ppm	Day : 3	1.9	167	6.7	11.3
0720_03_08_F	25 ppm	Day : 23	1.6	136	6.2	12.1
0901_03_10_F	50 ppm	Day : 93	2.2	148	7.4	11.9
0902_03_10_F	50 ppm	Day : 93	2.1	109	7.3	14.7
0903_03_10_F	50 ppm	Day : 93	2.2	128	7.4	11.0
0904_03_10_F	50 ppm	Day : 93	2.3	102	7.5	17.0
0905_03_10_F	50 ppm	Day : 93	2.1	120	7.1	17.8
0906_03_10_F	50 ppm	Day : 93	2.1	138	7.2	15.7
0907_03_10_F	50 ppm	Day : 93	2.2	137	7.5	15.1
0908_03_10_F	50 ppm	Day : 93	2.1	120	7.3	12.4
0909_03_10_F	50 ppm	Day : 93	2.4	119	7.9	16.1
0910_03_10_F	50 ppm	Day : 93	2.0	126	7.0	17.1
0911_03_10_F	50 ppm	Day : 3	1.9	113	6.6	14.8
0911_03_10_F	50 ppm	Day : 23	1.9	116	6.9	11.9

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
0912_03_10_F	50 ppm	Day : 3	1.6	118	6.2	13.6
0912_03_10_F	50 ppm	Day : 23	1.7	108	6.5	13.0
0913_03_10_F	50 ppm	Day : 3	1.7	136	6.2	5.5
0913_03_10_F	50 ppm	Day : 23	1.7	119	6.6	13.8
0914_03_10_F	50 ppm	Day : 3	1.8	125	6.4	11.0
0914_03_10_F	50 ppm	Day : 23	1.6	113	6.5	14.1
0915_03_10_F	50 ppm	Day : 3	1.7	121	6.2	12.9
0915_03_10_F	50 ppm	Day : 23	1.4	103	6.0	11.7
0916_03_10_F	50 ppm	Day : 3	1.7	119	6.3	10.6
0916_03_10_F	50 ppm	Day : 23	1.7	91	6.6	12.7
0917_03_10_F	50 ppm	Day : 3	1.7	128	6.2	7.4
0917_03_10_F	50 ppm	Day : 23	1.5	111	6.2	15.3
0918_03_10_F	50 ppm	Day : 3	1.8	160	6.5	13.8
0918_03_10_F	50 ppm	Day : 23	1.8	127	6.6	14.4
0919_03_10_F	50 ppm	Day : 3	1.9	135	6.6	12.9
0919_03_10_F	50 ppm	Day : 23	1.9	106	7.0	16.5
0920_03_10_F	50 ppm	Day : 3	1.7	123	6.2	10.0
0920_03_10_F	50 ppm	Day : 23	1.6	125	6.4	14.2
1101_03_12_F	100 ppm	Day : 93	2.3	121	7.5	15.4
1102_03_12_F	100 ppm	Day : 93	2.7	110	8.1	20.9
1103_03_12_F	100 ppm	Day : 93	2.1	126	7.1	13.9
1104_03_12_F	100 ppm	Day : 93	2.3	120	7.4	21.1

## FEMALE

Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
1105_03_12_F	100 ppm	Day : 93	2.1	138	7.2	16.4
1106_03_12_F	100 ppm	Day : 93	2.0	124	7.0	19.3
1107_03_12_F	100 ppm	Day : 93	2.3	135	7.4	18.2
1108_03_12_F	100 ppm	Day : 93	2.1	162	7.1	13.6
1109_03_12_F	100 ppm	Day : 93	2.5	132	7.9	18.4
1110_03_12_F	100 ppm	Day : 93	2.2	130	7.3	18.7
1111_03_12_F	100 ppm	Day : 3	1.7	108	6.2	12.8
1111_03_12_F	100 ppm	Day : 23	1.8	106	6.9	17.9
1112_03_12_F	100 ppm	Day : 3	1.9	98	6.6	19.2
1112_03_12_F	100 ppm	Day : 23	1.8	107	6.6	18.6
1113_03_12_F	100 ppm	Day : 3	1.7	122	6.3	16.8
1113_03_12_F	100 ppm	Day : 23	1.6	122	6.1	12.0
1114_03_12_F	100 ppm	Day : 3	1.9	109	6.8	20.1
1114_03_12_F	100 ppm	Day : 23	1.7	82	6.6	24.4
1115_03_12_F	100 ppm	Day : 3	1.8	100	6.5	22.2
1115_03_12_F	100 ppm	Day : 23	1.7	92	6.5	27.2
1116_03_12_F	100 ppm	Day : 3	1.8	127	6.5	16.3
1116_03_12_F	100 ppm	Day : 23	1.7	96	6.6	22.4
1117_03_12_F	100 ppm	Day : 3	1.8	99	6.4	24.2
1117_03_12_F	100 ppm	Day : 23	1.7	101	6.5	19.6
1118_03_12_F	100 ppm	Day : 3	1.8	123	6.5	16.1
1118_03_12_F	100 ppm	Day : 23	1.8	93	6.7	23.7

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:29:33

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Globulin g per dL	Glucose mg per dL	Protein Total g per dL	SDH IU per L
1119_03_12_F	100 ppm	Day : 3	1.8	112	6.4	21.3
1119_03_12_F	100 ppm	Day : 23	1.7	97	6.6	15.4
1120_03_12_F	100 ppm	Day : 3	1.7	108	6.4	20.3
1120_03_12_F	100 ppm	Day : 23	1.8	92	6.8	23.1

\*\* END OF REPORT \*\*