

**Experiment Number:** 05197-03

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

**P42: Clinical Chemistry Data**

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

**Time Report Requested:** 17:59:53

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

**Lab:** NA

**C Number:** C62077

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0001_03	0 ppm	Week : 13	3.3	205	33	15
0002_03	0 ppm	Week : 13	3.5	134	28	
0003_03	0 ppm	Week : 13	3.6	154	27	
0004_03	0 ppm	Week : 13	3.7	139	28	7
0005_03	0 ppm	Week : 13	3.5	149	30	6
0006_03	0 ppm	Week : 13	3.5	135	38	14
0007_03	0 ppm	Week : 13	3.6	135	33	18
0009_03	0 ppm	Week : 13	3.5	119	24	
0010_03	0 ppm	Week : 13	3.6	137	29	
0011_03	750 ppm	Week : 13	3.6	140	32	
0012_03	750 ppm	Week : 13	3.7	146	35	47
0013_03	750 ppm	Week : 13	3.4	129	29	
0014_03	750 ppm	Week : 13	3.3	146	29	
0015_03	750 ppm	Week : 13	3.5	188	33	26
0016_03	750 ppm	Week : 13	3.2	137	28	6
0017_03	750 ppm	Week : 13	3.5	140	39	7
0018_03	750 ppm	Week : 13	3.6	170	33	28
0019_03	750 ppm	Week : 13	3.4	143	29	14
0020_03	750 ppm	Week : 13	3.3	127	43	
0021_03	1500 ppm	Week : 13	3.6	173	30	10
0022_03	1500 ppm	Week : 13	3.5	145	25	
0023_03	1500 ppm	Week : 13	3.5	136	33	16

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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	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0024_03	1500 ppm	Week : 13	3.5	143	31	
0025_03	1500 ppm	Week : 13	3.5	146	34	5
0026_03	1500 ppm	Week : 13	3.4	130	41	11
0027_03	1500 ppm	Week : 13	3.4	138	35	16
0028_03	1500 ppm	Week : 13	3.5	143	34	22
0029_03	1500 ppm	Week : 13	3.3	147	30	13
0030_03	1500 ppm	Week : 13	3.6	138	28	9
0031_03	3000 ppm	Week : 13	3.4	203	28	
0032_03	3000 ppm	Week : 13	3.4	146	30	10
0033_03	3000 ppm	Week : 13	3.5	149	32	35
0034_03	3000 ppm	Week : 13	3.2	140	30	
0035_03	3000 ppm	Week : 13	3.2	145	31	6
0036_03	3000 ppm	Week : 13	3.5	158	31	36
0037_03	3000 ppm	Week : 13	3.3	135	40	10
0038_03	3000 ppm	Week : 13	3.6	178	39	6
0039_03	3000 ppm	Week : 13	3.2	143	46	19
0040_03	3000 ppm	Week : 13	3.2	122	34	10
0041_03	4500 ppm	Week : 13	3.4	134	34	
0042_03	4500 ppm	Week : 13	3.4	162	35	16
0043_03	4500 ppm	Week : 13	3.4	132	38	
0044_03	4500 ppm	Week : 13	3.2	123	30	12
0045_03	4500 ppm	Week : 13	3.4	154	34	

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0045_03	4500 ppm	Week : 13	3.4	154	34	
0046_03	4500 ppm	Week : 13	3.3	139	30	6
0047_03	4500 ppm	Week : 13	3.6	195	40	20
0048_03	4500 ppm	Week : 13	3.3	138	29	8
0049_03	4500 ppm	Week : 13	3.3	133	28	
0050_03	4500 ppm	Week : 13	3.4	135	32	5
0051_03	6000 ppm	Week : 13	3.3	160	45	5
0052_03	6000 ppm	Week : 13	3.4	164	33	11
0053_03	6000 ppm	Week : 13	3.6	185	41	19
0054_03	6000 ppm	Week : 13	3.4	154	42	11
0055_03	6000 ppm	Week : 13	3.2	141	36	11
0056_03	6000 ppm	Week : 13	3.2	155	29	6
0057_03	6000 ppm	Week : 13	3.1	133	32	
0058_03	6000 ppm	Week : 13	3.4	159	27	
0059_03	6000 ppm	Week : 13	3.1	170	36	34
0060_03	6000 ppm	Week : 13	3.2	134	35	37
0361_03	0 ppm	Week : 1	3.3	349	49	7
0362_03	0 ppm	Week : 1	3.2	457	45	11
0363_03	0 ppm	Week : 1	3.2	393	51	13
0364_03	0 ppm	Week : 1	3.3	402	47	5
0365_03	0 ppm	Week : 1	3	338	39	7
0366_03	0 ppm	Week : 1	3.4	385	54	8

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0367_03	0 ppm	Week : 1	3.1	330	45	5
0368_03	0 ppm	Week : 1	2.8	375	54	15
0369_03	0 ppm	Week : 1	3.4	348	45	18
0370_03	0 ppm	Week : 1	3.2	395	55	25
0371_03	0 ppm	Week : 3	3.5	286	28	8
0372_03	0 ppm	Week : 3	3.6	295	38	18
0373_03	0 ppm	Week : 3	3.8	313	33	13
0374_03	0 ppm	Week : 3	3.3	317	30	7
0375_03	0 ppm	Week : 3	3.1	311	28	17
0376_03	0 ppm	Week : 3	3.7	375	30	58*
0377_03	0 ppm	Week : 3	3.4	254	25	6
0378_03	0 ppm	Week : 3	3.2	345	27	13
0379_03	0 ppm	Week : 3	3.4	352	32	9
0380_03	0 ppm	Week : 3	3.5	342	31	12
0381_03	750 ppm	Week : 1	3.3	412	47	11
0382_03	750 ppm	Week : 1	3	383	40	5
0383_03	750 ppm	Week : 1	3.3	393	46	7
0384_03	750 ppm	Week : 1	3.1	391	56	15
0385_03	750 ppm	Week : 1	3.2	457	58	6
0386_03	750 ppm	Week : 1	3.3	386	36	6
0387_03	750 ppm	Week : 1	3.4	377	65	10
0388_03	750 ppm	Week : 1	2.9	425	46	6

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**MALE**


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Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0388_03	750 ppm	Week : 1	2.9	425	46	6
0389_03	750 ppm	Week : 1	3.4	457	46	10
0390_03	750 ppm	Week : 1	3.3	441	51	12
0391_03	750 ppm	Week : 3	3.5	348	32	8
0392_03	750 ppm	Week : 3	3.4	378	33	24
0393_03	750 ppm	Week : 3	3.3	377	27	17
0394_03	750 ppm	Week : 3	3.5	304	26	23
0395_03	750 ppm	Week : 3	3.5	308	31	22
0396_03	750 ppm	Week : 3	3.5	325	26	17
0397_03	750 ppm	Week : 3	3.6	403	34	21
0398_03	750 ppm	Week : 3	3.8	357	39	29
0399_03	750 ppm	Week : 3	3.4	322	33	15
0400_03	750 ppm	Week : 3	3.4	304	27	8
0401_03	1500 ppm	Week : 1	3.2	407	47	11
0402_03	1500 ppm	Week : 1	3.9	455	58	10
0403_03	1500 ppm	Week : 1	3.2	404	54	7
0404_03	1500 ppm	Week : 1	3.7	461	63	16
0405_03	1500 ppm	Week : 1	3.4	527	70	18
0406_03	1500 ppm	Week : 1	3.8	501	53	9
0407_03	1500 ppm	Week : 1	3.2	446	65	11
0408_03	1500 ppm	Week : 1	3.9	442	62	11
0409_03	1500 ppm	Week : 1	3.8	387	37	8

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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	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0410_03	1500 ppm	Week : 1	3.8	465	67	16
0411_03	1500 ppm	Week : 3	3.7	278	36	16
0412_03	1500 ppm	Week : 3	3.7	339	37	9
0413_03	1500 ppm	Week : 3	3.2	303	30	7
0414_03	1500 ppm	Week : 3	3.2	278	23	
0415_03	1500 ppm	Week : 3	3.4	296	28	20
0416_03	1500 ppm	Week : 3	3.5	303	35	6
0417_03	1500 ppm	Week : 3	3.3	301	28	7
0418_03	1500 ppm	Week : 3	3.3	329	29	17
0419_03	1500 ppm	Week : 3	3.4	332	29	9
0420_03	1500 ppm	Week : 3	3.5	279	37	14
0421_03	3000 ppm	Week : 1	3.4	451	66	9
0422_03	3000 ppm	Week : 1	3.5	442	51	17
0423_03	3000 ppm	Week : 1	3.7	421	42	10
0424_03	3000 ppm	Week : 1	3.5	525	63	11
0425_03	3000 ppm	Week : 1	4	497	71	11
0426_03	3000 ppm	Week : 1	3.8	466	34	10
0427_03	3000 ppm	Week : 1	3.6	543	70	13
0428_03	3000 ppm	Week : 1	3.6	424	60	14
0429_03	3000 ppm	Week : 1	3.7	449	50	8
0430_03	3000 ppm	Week : 1	3.7	545	70	13
0431_03	3000 ppm	Week : 3	3.4	350	25	5

## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0431_03	3000 ppm	Week : 3	3.4	350	25	5
0432_03	3000 ppm	Week : 3	3.4	291	29	10
0433_03	3000 ppm	Week : 3	3.3	306	26	7
0434_03	3000 ppm	Week : 3	3.4	281	30	14
0435_03	3000 ppm	Week : 3	3.5	356	28	9
0436_03	3000 ppm	Week : 3	3.5	378	30	29
0437_03	3000 ppm	Week : 3	3.6	344	31	14
0438_03	3000 ppm	Week : 3	3.5	390	39	23
0439_03	3000 ppm	Week : 3	3.4	342	34	8
0440_03	3000 ppm	Week : 3	3.4	316	33	10
0441_03	4500 ppm	Week : 1	3.6	398	49	17
0442_03	4500 ppm	Week : 1	3.6	453	35	8
0443_03	4500 ppm	Week : 1	3.6	482	43	10
0444_03	4500 ppm	Week : 1	3.8	455	43	5
0445_03	4500 ppm	Week : 1	3.6	545	43	12
0446_03	4500 ppm	Week : 1	3.1	377	26	9
0447_03	4500 ppm	Week : 1	3.3	387	65	8
0448_03	4500 ppm	Week : 1	3.5	395	33	8
0449_03	4500 ppm	Week : 1	3.5	461	37	10
0450_03	4500 ppm	Week : 1	3.5	369	38	8
0451_03	4500 ppm	Week : 3	3.5	344	42	11
0452_03	4500 ppm	Week : 3	3.2	351	31	15



## MALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0453_03	4500 ppm	Week : 3	3.3	331	26	5
0454_03	4500 ppm	Week : 3	3.2	327	33	12
0455_03	4500 ppm	Week : 3	3.1	308	24	7
0456_03	4500 ppm	Week : 3	3.5	351	34	8
0457_03	4500 ppm	Week : 3	3.5	310	29	11
0458_03	4500 ppm	Week : 3	3.3	384	31	11
0459_03	4500 ppm	Week : 3	3.5	360	31	15
0460_03	4500 ppm	Week : 3	3.3	340	24	7
0461_03	6000 ppm	Week : 1	3.5	460	40	16
0462_03	6000 ppm	Week : 1	3.3	411	33	
0463_03	6000 ppm	Week : 1	3.7	512	64	12
0464_03	6000 ppm	Week : 1	3.5	367	39	7
0465_03	6000 ppm	Week : 1	3.3	419	36	6
0466_03	6000 ppm	Week : 1	3.7	432	37	9
0467_03	6000 ppm	Week : 1	3.5	370	37	9
0468_03	6000 ppm	Week : 1	3.5	426	37	8
0469_03	6000 ppm	Week : 1	3.3	426	34	6
0470_03	6000 ppm	Week : 1	3.5	397	37	9
0471_03	6000 ppm	Week : 3	3.3	308	28	8
0472_03	6000 ppm	Week : 3	3.4	345	30	11
0473_03	6000 ppm	Week : 3	3.3	312	28	10
0474_03	6000 ppm	Week : 3	3.3	334	35	17

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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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	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0474_03	6000 ppm	Week : 3	3.3	334	35	17
0475_03	6000 ppm	Week : 3	3.7	383	33	11
0476_03	6000 ppm	Week : 3	3.8	366	39	39
0477_03	6000 ppm	Week : 3	3.7	408	31	30
0478_03	6000 ppm	Week : 3	3.6	390	36	19
0479_03	6000 ppm	Week : 3	3.2	341	31	12
0480_03	6000 ppm	Week : 3	3.7	387	32	21

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0001_03	0 ppm	Week : 13	18	380	0.7	6.8
0002_03	0 ppm	Week : 13	17	231	0.6	6.8
0003_03	0 ppm	Week : 13	18	133	0.7	7.2
0004_03	0 ppm	Week : 13	19	237	0.6	6.9
0005_03	0 ppm	Week : 13	18	177	0.6	6.9
0006_03	0 ppm	Week : 13	21	601	0.6	6.6
0007_03	0 ppm	Week : 13	15	350	0.6	6.9
0009_03	0 ppm	Week : 13	14	288	0.5	6.4
0010_03	0 ppm	Week : 13	16	127	0.6	6.8
0011_03	750 ppm	Week : 13	19	174	0.7	7
0012_03	750 ppm	Week : 13	21	160	0.6	7.2
0013_03	750 ppm	Week : 13	19	186	0.5	6.6
0014_03	750 ppm	Week : 13	17	105	0.6	6.9
0015_03	750 ppm	Week : 13	18	174	0.6	7
0016_03	750 ppm	Week : 13	19	248	0.5	6.3
0017_03	750 ppm	Week : 13	18	515	0.7	6.9
0018_03	750 ppm	Week : 13	18	182	0.6	6.6
0019_03	750 ppm	Week : 13	20	324	0.6	6.6
0020_03	750 ppm	Week : 13	21	191	0.6	6.7
0021_03	1500 ppm	Week : 13	18	367	0.6	6.5
0022_03	1500 ppm	Week : 13	19	180	0.6	7.2
0023_03	1500 ppm	Week : 13	20	288	0.7	6.7

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

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First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0024_03	1500 ppm	Week : 13	13	212	0.6	6.9
0025_03	1500 ppm	Week : 13	22	177	0.7	6.9
0026_03	1500 ppm	Week : 13	21	283	0.6	6.4
0027_03	1500 ppm	Week : 13	19	640	0.6	6.6
0028_03	1500 ppm	Week : 13	21	264	0.5	6.5
0029_03	1500 ppm	Week : 13	19	292	0.6	6.4
0030_03	1500 ppm	Week : 13	17	234	0.6	6.7
0031_03	3000 ppm	Week : 13	18	281	0.7	6.7
0032_03	3000 ppm	Week : 13	21	168	0.6	6.5
0033_03	3000 ppm	Week : 13	19	163	0.6	6.5
0034_03	3000 ppm	Week : 13	19	169	0.6	6.4
0035_03	3000 ppm	Week : 13	22	125	0.6	6.2
0036_03	3000 ppm	Week : 13	21	498	0.7	6.7
0037_03	3000 ppm	Week : 13	22	116	0.6	6.3
0038_03	3000 ppm	Week : 13	22	194	0.7	6.8
0039_03	3000 ppm	Week : 13	18	248	0.6	6.4
0040_03	3000 ppm	Week : 13	20	295	0.5	6.3
0041_03	4500 ppm	Week : 13	20	140	0.6	6.1
0042_03	4500 ppm	Week : 13	22	200	0.6	6.5
0043_03	4500 ppm	Week : 13	18	183	0.6	6.4
0044_03	4500 ppm	Week : 13	20	243	0.6	6
0045_03	4500 ppm	Week : 13	20	154	0.6	6.3

Experiment Number: 05197-03

P42: Clinical Chemistry Data

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Species/Strain: Rat/Fischer 344

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0046_03	4500 ppm	Week : 13	14	236	0.5	6.2
0047_03	4500 ppm	Week : 13	23	362	0.8	6.8
0048_03	4500 ppm	Week : 13	22	228	0.7	6.4
0049_03	4500 ppm	Week : 13	23	190	0.6	6
0050_03	4500 ppm	Week : 13	19	200	0.6	6.4
0051_03	6000 ppm	Week : 13	21	327	0.6	6.2
0052_03	6000 ppm	Week : 13	24	563	0.5	6
0053_03	6000 ppm	Week : 13	26	303	0.7	6.2
0054_03	6000 ppm	Week : 13	24	132	0.6	6.3
0055_03	6000 ppm	Week : 13	25	244	0.7	6.3
0056_03	6000 ppm	Week : 13	19	213	0.6	5.9
0057_03	6000 ppm	Week : 13	19	178	0.6	5.6
0058_03	6000 ppm	Week : 13	23	204	0.6	6
0059_03	6000 ppm	Week : 13	24	248	0.6	5.7
0060_03	6000 ppm	Week : 13	21	289	0.5	5.9
0361_03	0 ppm	Week : 1	14	841	0.4	5.6
0362_03	0 ppm	Week : 1	16	483	0.4	5.5
0363_03	0 ppm	Week : 1	14	891	0.4	5.6
0364_03	0 ppm	Week : 1	18	660	0.5	5.9
0365_03	0 ppm	Week : 1	15	733	0.5	5.4
0366_03	0 ppm	Week : 1	16	933	0.5	5.8
0367_03	0 ppm	Week : 1	16	357	0.4	5.7

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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	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0368_03	0 ppm	Week : 1	18	959	0.5	5.3
0369_03	0 ppm	Week : 1	16	541	0.4	5.7
0370_03	0 ppm	Week : 1	16	1423	0.5	5.5
0371_03	0 ppm	Week : 3	21	263	0.5	6.3
0372_03	0 ppm	Week : 3	15	655	0.6	6.6
0373_03	0 ppm	Week : 3	24	569	0.6	6.6
0374_03	0 ppm	Week : 3	24	253	0.4	6
0375_03	0 ppm	Week : 3	17	533	0.5	6
0376_03	0 ppm	Week : 3	23	710	0.7	6.8
0377_03	0 ppm	Week : 3	22	177	0.6	6.3
0378_03	0 ppm	Week : 3	20	493	0.5	6
0379_03	0 ppm	Week : 3	23	262	0.5	6.4
0380_03	0 ppm	Week : 3	16	241	0.6	6.4
0381_03	750 ppm	Week : 1	15	649	0.5	5.9
0382_03	750 ppm	Week : 1	9	567	0.5	5.7
0383_03	750 ppm	Week : 1	19	404	0.5	5.7
0384_03	750 ppm	Week : 1	15	1018	0.4	5.5
0385_03	750 ppm	Week : 1	17	509	0.5	5.8
0386_03	750 ppm	Week : 1	19	367	0.6	5.6
0387_03	750 ppm	Week : 1	17	805	0.4	5.8
0388_03	750 ppm	Week : 1	17	271	0.4	5.2
0389_03	750 ppm	Week : 1	18	361	0.5	5.7

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0390_03	750 ppm	Week : 1	18	485	0.5	5.7
0391_03	750 ppm	Week : 3	27	210	0.5	6.8
0392_03	750 ppm	Week : 3	24	1346	0.6	6.6
0393_03	750 ppm	Week : 3	27	474	0.6	6.4
0394_03	750 ppm	Week : 3	23	227	0.4	6.2
0395_03	750 ppm	Week : 3	21	1019	0.5	6.2
0396_03	750 ppm	Week : 3	22	704	0.5	6.6
0397_03	750 ppm	Week : 3	23	621	0.5	6.1
0398_03	750 ppm	Week : 3	31	650	0.6	7
0399_03	750 ppm	Week : 3	25	320	0.5	6.5
0400_03	750 ppm	Week : 3	20	400	0.4	6.1
0401_03	1500 ppm	Week : 1	22	1004	0.4	5.7
0402_03	1500 ppm	Week : 1	26	881	0.6	6.7
0403_03	1500 ppm	Week : 1	26	973	0.5	5.8
0404_03	1500 ppm	Week : 1	21	643	0.5	6.4
0405_03	1500 ppm	Week : 1	21	1293	0.5	6.3
0406_03	1500 ppm	Week : 1	24	352	0.5	6.6
0407_03	1500 ppm	Week : 1	20	725	0.4	5.6
0408_03	1500 ppm	Week : 1	20	413	0.7	7
0409_03	1500 ppm	Week : 1	20	448	0.5	6.2
0410_03	1500 ppm	Week : 1	19	388	0.5	6.4
0411_03	1500 ppm	Week : 3	24	370	0.6	6.9

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

## MALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0412_03	1500 ppm	Week : 3	24	243	0.5	6.6
0413_03	1500 ppm	Week : 3	24	96	0.4	6
0414_03	1500 ppm	Week : 3	18	303	0.3	5.9
0415_03	1500 ppm	Week : 3	26	314	0.4	5.9
0416_03	1500 ppm	Week : 3	22	411	0.6	6.6
0417_03	1500 ppm	Week : 3	23	340	0.5	6.2
0418_03	1500 ppm	Week : 3	26	257	0.5	6.2
0419_03	1500 ppm	Week : 3	23	365	0.5	6.4
0420_03	1500 ppm	Week : 3	25	297	0.7	6.5
0421_03	3000 ppm	Week : 1	23	395	0.4	5.9
0422_03	3000 ppm	Week : 1	25	834	0.4	6.2
0423_03	3000 ppm	Week : 1	26	631	0.5	6.4
0424_03	3000 ppm	Week : 1	26	1577	0.4	6.5
0425_03	3000 ppm	Week : 1	26	1415	0.6	6.9
0426_03	3000 ppm	Week : 1	23	575	0.4	6.4
0427_03	3000 ppm	Week : 1	29	1096	0.5	6.3
0428_03	3000 ppm	Week : 1	26	597	0.4	5.9
0429_03	3000 ppm	Week : 1	21	1123	0.5	6.5
0430_03	3000 ppm	Week : 1	32	901	0.5	6.2
0431_03	3000 ppm	Week : 3	27	179	0.5	5.9
0432_03	3000 ppm	Week : 3	23	315	0.4	5.8
0433_03	3000 ppm	Week : 3	20	403	0.4	6.1



Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0434_03	3000 ppm	Week : 3	22	292	0.5	6
0435_03	3000 ppm	Week : 3	19	386	0.5	6.5
0436_03	3000 ppm	Week : 3	24	870	0.6	6.5
0437_03	3000 ppm	Week : 3	23	191	0.6	6.6
0438_03	3000 ppm	Week : 3	25	263	0.6	6.8
0439_03	3000 ppm	Week : 3	21	284	0.5	6.2
0440_03	3000 ppm	Week : 3	28	351	0.5	6.2
0441_03	4500 ppm	Week : 1	27	623	0.6	6
0442_03	4500 ppm	Week : 1	19	698	0.5	6.2
0443_03	4500 ppm	Week : 1	27	1355	0.5	6.2
0444_03	4500 ppm	Week : 1	25	403	0.5	6.2
0445_03	4500 ppm	Week : 1	29	741	0.5	6.3
0446_03	4500 ppm	Week : 1	20	677	0.4	5.8
0447_03	4500 ppm	Week : 1	23	906	0.4	5.8
0448_03	4500 ppm	Week : 1	22	544	0.4	6.1
0449_03	4500 ppm	Week : 1	25	734	0.5	5.8
0450_03	4500 ppm	Week : 1	23	793	0.5	6.3
0451_03	4500 ppm	Week : 3	27	1111	0.6	6.7
0452_03	4500 ppm	Week : 3	27	611	0.6	6
0453_03	4500 ppm	Week : 3	25	285	0.5	6.2
0454_03	4500 ppm	Week : 3	28	311	0.5	6
0455_03	4500 ppm	Week : 3	26	245	0.5	5.9

## MALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0456_03	4500 ppm	Week : 3	25	334	0.6	6.4
0457_03	4500 ppm	Week : 3	27	339	0.6	6.4
0458_03	4500 ppm	Week : 3	26	465	0.6	6.1
0459_03	4500 ppm	Week : 3	27	253	0.5	6.1
0460_03	4500 ppm	Week : 3	20	449	0.5	5.9
0461_03	6000 ppm	Week : 1	20	752	0.6	6.2
0462_03	6000 ppm	Week : 1	23	408	0.6	5.8
0463_03	6000 ppm	Week : 1	30	1641	0.6	6.4
0464_03	6000 ppm	Week : 1	22	938	0.6	6.2
0465_03	6000 ppm	Week : 1	24	462	0.4	5.6
0466_03	6000 ppm	Week : 1	21	670	0.4	6.2
0467_03	6000 ppm	Week : 1	19	762	0.5	6.1
0468_03	6000 ppm	Week : 1	22	837	0.5	5.9
0469_03	6000 ppm	Week : 1	22	470	0.5	5.8
0470_03	6000 ppm	Week : 1	23	729	0.6	6.2
0471_03	6000 ppm	Week : 3	26	501	0.6	6.1
0472_03	6000 ppm	Week : 3	34	453	0.6	6
0473_03	6000 ppm	Week : 3	25	363	0.4	5.7
0474_03	6000 ppm	Week : 3	28	197	0.6	6.2
0475_03	6000 ppm	Week : 3	25	349	0.7	6.5
0476_03	6000 ppm	Week : 3	27	358	0.6	7
0477_03	6000 ppm	Week : 3	28	193	0.5	6.3

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0478_03	6000 ppm	Week : 3	23	851	0.6	6.5
0479_03	6000 ppm	Week : 3	26	405	0.7	6.1
0480_03	6000 ppm	Week : 3	27	698	0.7	6.4

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:54

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0001_03	0 ppm	Week : 13	5
0002_03	0 ppm	Week : 13	4
0003_03	0 ppm	Week : 13	6
0004_03	0 ppm	Week : 13	6
0005_03	0 ppm	Week : 13	5
0006_03	0 ppm	Week : 13	6
0007_03	0 ppm	Week : 13	5
0009_03	0 ppm	Week : 13	5
0010_03	0 ppm	Week : 13	5
0011_03	750 ppm	Week : 13	4
0012_03	750 ppm	Week : 13	6
0013_03	750 ppm	Week : 13	5
0014_03	750 ppm	Week : 13	5
0015_03	750 ppm	Week : 13	4
0016_03	750 ppm	Week : 13	5
0017_03	750 ppm	Week : 13	7
0018_03	750 ppm	Week : 13	5
0019_03	750 ppm	Week : 13	5
0020_03	750 ppm	Week : 13	8
0021_03	1500 ppm	Week : 13	4
0022_03	1500 ppm	Week : 13	4
0023_03	1500 ppm	Week : 13	6

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0024_03	1500 ppm	Week : 13	5
0025_03	1500 ppm	Week : 13	5
0026_03	1500 ppm	Week : 13	9
0027_03	1500 ppm	Week : 13	6
0028_03	1500 ppm	Week : 13	8
0029_03	1500 ppm	Week : 13	6
0030_03	1500 ppm	Week : 13	5
0031_03	3000 ppm	Week : 13	4
0032_03	3000 ppm	Week : 13	5
0033_03	3000 ppm	Week : 13	7
0034_03	3000 ppm	Week : 13	6
0035_03	3000 ppm	Week : 13	6
0036_03	3000 ppm	Week : 13	6
0037_03	3000 ppm	Week : 13	9
0038_03	3000 ppm	Week : 13	8
0039_03	3000 ppm	Week : 13	9
0040_03	3000 ppm	Week : 13	6
0041_03	4500 ppm	Week : 13	6
0042_03	4500 ppm	Week : 13	6
0043_03	4500 ppm	Week : 13	4
0044_03	4500 ppm	Week : 13	5
0045_03	4500 ppm	Week : 13	6

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0046_03	4500 ppm	Week : 13	5
0047_03	4500 ppm	Week : 13	6
0048_03	4500 ppm	Week : 13	5
0049_03	4500 ppm	Week : 13	5
0050_03	4500 ppm	Week : 13	6
0051_03	6000 ppm	Week : 13	7
0052_03	6000 ppm	Week : 13	5
0053_03	6000 ppm	Week : 13	7
0054_03	6000 ppm	Week : 13	9
0055_03	6000 ppm	Week : 13	6
0056_03	6000 ppm	Week : 13	4
0057_03	6000 ppm	Week : 13	6
0058_03	6000 ppm	Week : 13	4
0059_03	6000 ppm	Week : 13	8
0060_03	6000 ppm	Week : 13	6
0361_03	0 ppm	Week : 1	4
0362_03	0 ppm	Week : 1	4
0363_03	0 ppm	Week : 1	3
0364_03	0 ppm	Week : 1	4
0365_03	0 ppm	Week : 1	4
0366_03	0 ppm	Week : 1	2
0367_03	0 ppm	Week : 1	3

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0368_03	0 ppm	Week : 1	4
0369_03	0 ppm	Week : 1	3
0370_03	0 ppm	Week : 1	4
0371_03	0 ppm	Week : 3	3
0372_03	0 ppm	Week : 3	3
0373_03	0 ppm	Week : 3	4
0374_03	0 ppm	Week : 3	3
0375_03	0 ppm	Week : 3	3
0376_03	0 ppm	Week : 3	3
0377_03	0 ppm	Week : 3	4
0378_03	0 ppm	Week : 3	2
0379_03	0 ppm	Week : 3	3
0380_03	0 ppm	Week : 3	4
0381_03	750 ppm	Week : 1	4
0382_03	750 ppm	Week : 1	4
0383_03	750 ppm	Week : 1	4
0384_03	750 ppm	Week : 1	4
0385_03	750 ppm	Week : 1	4
0386_03	750 ppm	Week : 1	4
0387_03	750 ppm	Week : 1	9
0388_03	750 ppm	Week : 1	4
0389_03	750 ppm	Week : 1	4

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0390_03	750 ppm	Week : 1	4
0391_03	750 ppm	Week : 3	3
0392_03	750 ppm	Week : 3	4
0393_03	750 ppm	Week : 3	2
0394_03	750 ppm	Week : 3	3
0395_03	750 ppm	Week : 3	4
0396_03	750 ppm	Week : 3	4
0397_03	750 ppm	Week : 3	4
0398_03	750 ppm	Week : 3	4
0399_03	750 ppm	Week : 3	3
0400_03	750 ppm	Week : 3	4
0401_03	1500 ppm	Week : 1	7
0402_03	1500 ppm	Week : 1	4
0403_03	1500 ppm	Week : 1	4
0404_03	1500 ppm	Week : 1	10
0405_03	1500 ppm	Week : 1	4
0406_03	1500 ppm	Week : 1	5
0407_03	1500 ppm	Week : 1	5
0408_03	1500 ppm	Week : 1	6
0409_03	1500 ppm	Week : 1	4
0410_03	1500 ppm	Week : 1	7
0411_03	1500 ppm	Week : 3	4



Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0412_03	1500 ppm	Week : 3	2
0413_03	1500 ppm	Week : 3	5
0414_03	1500 ppm	Week : 3	3
0415_03	1500 ppm	Week : 3	4
0416_03	1500 ppm	Week : 3	2
0417_03	1500 ppm	Week : 3	4
0418_03	1500 ppm	Week : 3	4
0419_03	1500 ppm	Week : 3	3
0420_03	1500 ppm	Week : 3	3
0421_03	3000 ppm	Week : 1	6
0422_03	3000 ppm	Week : 1	5
0423_03	3000 ppm	Week : 1	5
0424_03	3000 ppm	Week : 1	7
0425_03	3000 ppm	Week : 1	5
0426_03	3000 ppm	Week : 1	4
0427_03	3000 ppm	Week : 1	7
0428_03	3000 ppm	Week : 1	7
0429_03	3000 ppm	Week : 1	6
0430_03	3000 ppm	Week : 1	9
0431_03	3000 ppm	Week : 3	3
0432_03	3000 ppm	Week : 3	2
0433_03	3000 ppm	Week : 3	2

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0434_03	3000 ppm	Week : 3	4
0435_03	3000 ppm	Week : 3	2
0436_03	3000 ppm	Week : 3	4
0437_03	3000 ppm	Week : 3	4
0438_03	3000 ppm	Week : 3	4
0439_03	3000 ppm	Week : 3	4
0440_03	3000 ppm	Week : 3	3
0441_03	4500 ppm	Week : 1	4
0442_03	4500 ppm	Week : 1	4
0443_03	4500 ppm	Week : 1	2
0444_03	4500 ppm	Week : 1	4
0445_03	4500 ppm	Week : 1	4
0446_03	4500 ppm	Week : 1	3
0447_03	4500 ppm	Week : 1	4
0448_03	4500 ppm	Week : 1	4
0449_03	4500 ppm	Week : 1	4
0450_03	4500 ppm	Week : 1	4
0451_03	4500 ppm	Week : 3	3
0452_03	4500 ppm	Week : 3	4
0453_03	4500 ppm	Week : 3	2
0454_03	4500 ppm	Week : 3	2
0455_03	4500 ppm	Week : 3	3

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0456_03	4500 ppm	Week : 3	3
0457_03	4500 ppm	Week : 3	2
0458_03	4500 ppm	Week : 3	4
0459_03	4500 ppm	Week : 3	4
0460_03	4500 ppm	Week : 3	3
0461_03	6000 ppm	Week : 1	4
0462_03	6000 ppm	Week : 1	4
0463_03	6000 ppm	Week : 1	5
0464_03	6000 ppm	Week : 1	4
0465_03	6000 ppm	Week : 1	3
0466_03	6000 ppm	Week : 1	4
0467_03	6000 ppm	Week : 1	4
0468_03	6000 ppm	Week : 1	4
0469_03	6000 ppm	Week : 1	4
0470_03	6000 ppm	Week : 1	3
0471_03	6000 ppm	Week : 3	3
0472_03	6000 ppm	Week : 3	3
0473_03	6000 ppm	Week : 3	3
0474_03	6000 ppm	Week : 3	4
0475_03	6000 ppm	Week : 3	3
0476_03	6000 ppm	Week : 3	2
0477_03	6000 ppm	Week : 3	4

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:55

First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0478_03	6000 ppm	Week : 3	3
0479_03	6000 ppm	Week : 3	3
0480_03	6000 ppm	Week : 3	2

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0061_03	0 ppm	Week : 13	3.8	105	25	5
0062_03	0 ppm	Week : 13	3.9	131	25	10
0063_03	0 ppm	Week : 13	3.9	138	31	18
0064_03	0 ppm	Week : 13	3.6	138	25	6
0065_03	0 ppm	Week : 13	3.9	162	28	10
0066_03	0 ppm	Week : 13	3.6	90	26	
0067_03	0 ppm	Week : 13	3.6	152	26	
0068_03	0 ppm	Week : 13	4	134	24	10
0069_03	0 ppm	Week : 13	3.7	219	31	5
0070_03	0 ppm	Week : 13	3.6	132	27	6
0071_03	750 ppm	Week : 13	3.7	165	26	
0072_03	750 ppm	Week : 13	3.9	141	24	
0073_03	750 ppm	Week : 13	3.5	126	27	16
0074_03	750 ppm	Week : 13	3.6	208	25	11
0075_03	750 ppm	Week : 13	3.8	132	27	5
0076_03	750 ppm	Week : 13	4.3	116	38	45
0077_03	750 ppm	Week : 13	3.9	119	28	
0078_03	750 ppm	Week : 13	4.1	125	24	26
0079_03	750 ppm	Week : 13	3.6	166	29	7
0080_03	750 ppm	Week : 13	3.9	118	31	24
0081_03	1500 ppm	Week : 13	3.5	187	25	6
0082_03	1500 ppm	Week : 13	3.8	157	29	5

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**FEMALE**


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Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0083_03	1500 ppm	Week : 13	3.8	178	36	6
0084_03	1500 ppm	Week : 13	3.6	109	36	13
0085_03	1500 ppm	Week : 13	3.6	189	29	
0086_03	1500 ppm	Week : 13	3.6	162	28	9
0087_03	1500 ppm	Week : 13	3.2	106	28	
0088_03	1500 ppm	Week : 13	3.4	193	29	
0089_03	1500 ppm	Week : 13	3.7	140	24	
0090_03	1500 ppm	Week : 13	3.7	146	26	6
0091_03	3000 ppm	Week : 13	3.4	164	27	9
0092_03	3000 ppm	Week : 13	3.7	127	26	12
0093_03	3000 ppm	Week : 13	3.5	209	31	
0094_03	3000 ppm	Week : 13	3.5	150	24	6
0095_03	3000 ppm	Week : 13	3.4	97	28	12
0096_03	3000 ppm	Week : 13	3.6	189	28	14
0097_03	3000 ppm	Week : 13	3.5	238	32	9
0098_03	3000 ppm	Week : 13	3.6	215	34	22
0099_03	3000 ppm	Week : 13	3.3	151	28	
0100_03	3000 ppm	Week : 13	3.5	213	29	6
0101_03	4500 ppm	Week : 13	3.7	265	31	14
0102_03	4500 ppm	Week : 13	3.4	257	32	6
0103_03	4500 ppm	Week : 13	3.3	212	27	10
0104_03	4500 ppm	Week : 13	3.5	245	27	17

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0104_03	4500 ppm	Week : 13	3.5	245	27	17
0105_03	4500 ppm	Week : 13	3.5	315	33	20
0106_03	4500 ppm	Week : 13	3.5	176	31	10
0107_03	4500 ppm	Week : 13	3.3	144	35	8
0108_03	4500 ppm	Week : 13	3.3	228	32	8
0109_03	4500 ppm	Week : 13	3.2	264	32	7
0110_03	4500 ppm	Week : 13	3.4	241	32	10
0111_03	6000 ppm	Week : 13	3.9	222	37	13
0112_03	6000 ppm	Week : 13	3.4	223	37	7
0113_03	6000 ppm	Week : 13	3.1	303	39	32
0114_03	6000 ppm	Week : 13	3.4	274	34	8
0115_03	6000 ppm	Week : 13	3.5	339	40	25
0116_03	6000 ppm	Week : 13	3.5	267	25	7
0117_03	6000 ppm	Week : 13	3.1	232	34	8
0118_03	6000 ppm	Week : 13	3.4	227	26	7
0119_03	6000 ppm	Week : 13	3.2	206	30	19
0120_03	6000 ppm	Week : 13	3.3	251	26	7
0481_03	0 ppm	Week : 1	3.3	277	19	21
0482_03	0 ppm	Week : 1	3.4	334	23	15
0483_03	0 ppm	Week : 1	3.2	310	22	15
0484_03	0 ppm	Week : 1	3.5	317	26	10
0485_03	0 ppm	Week : 1	3.1	285	24	

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0486_03	0 ppm	Week : 1	3.7	258	30	20
0487_03	0 ppm	Week : 1	3.4	270	26	16
0488_03	0 ppm	Week : 1	3.1	296	26	21
0489_03	0 ppm	Week : 1	3.4	299	18	8
0490_03	0 ppm	Week : 1	3.6	329	28	11
0491_03	0 ppm	Week : 3	3.7	353	43	24
0492_03	0 ppm	Week : 3	3.7	374	28	8
0493_03	0 ppm	Week : 3	3.5	341	27	13
0494_03	0 ppm	Week : 3	3.6	342	36	15
0495_03	0 ppm	Week : 3	4.1	359	49	15
0496_03	0 ppm	Week : 3	3.6	183	33	12
0497_03	0 ppm	Week : 3	3.6	226	26	8
0498_03	0 ppm	Week : 3	3.5	264	50	11
0499_03	0 ppm	Week : 3	3.8	188	26	12
0500_03	0 ppm	Week : 3	3.9	184	27	6
0501_03	750 ppm	Week : 1	3.1	300	24	10
0502_03	750 ppm	Week : 1	3.4	313	25	5
0503_03	750 ppm	Week : 1	3.4	330	21	
0504_03	750 ppm	Week : 1	4	294	24	16
0505_03	750 ppm	Week : 1	3.5	335	22	17
0506_03	750 ppm	Week : 1	3.5	344	24	21
0507_03	750 ppm	Week : 1	3.4	231	23	8



## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0507_03	750 ppm	Week : 1	3.4	231	23	8
0508_03	750 ppm	Week : 1	3.1	295	21	
0509_03	750 ppm	Week : 1	4	346	24	91
0510_03	750 ppm	Week : 1	3.5	284	24	17
0511_03	750 ppm	Week : 3	3.6	255	24	31
0512_03	750 ppm	Week : 3	3.5	277	34	11
0513_03	750 ppm	Week : 3	4.2	211	22	27
0514_03	750 ppm	Week : 3	3.5	248	31	71
0515_03	750 ppm	Week : 3	3.8	225	32	12
0516_03	750 ppm	Week : 3	3.6	231	29	10
0517_03	750 ppm	Week : 3	3.9	225	25	23
0518_03	750 ppm	Week : 3	3.9	228	32	9
0519_03	750 ppm	Week : 3	4	211	31	21
0520_03	750 ppm	Week : 3	3.7	241	29	16
0521_03	1500 ppm	Week : 1	3.4	392	25	18
0522_03	1500 ppm	Week : 1	3.1	271	22	6
0523_03	1500 ppm	Week : 1	3.5	350	21	
0524_03	1500 ppm	Week : 1	3.3	364	26	11
0525_03	1500 ppm	Week : 1	3.5	294	25	9
0526_03	1500 ppm	Week : 1	3.1	297	25	10
0527_03	1500 ppm	Week : 1	3.3	327	28	38
0528_03	1500 ppm	Week : 1	3.4	325	26	9

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0529_03	1500 ppm	Week : 1	3.5	323	25	11
0530_03	1500 ppm	Week : 1	3.2	289	21	13
0531_03	1500 ppm	Week : 3	3.8	265	36	14
0532_03	1500 ppm	Week : 3	3.4	211	23	10
0533_03	1500 ppm	Week : 3	3.5	265	28	29
0534_03	1500 ppm	Week : 3	3.5	246	21	26
0535_03	1500 ppm	Week : 3	3.6	254	26	25
0536_03	1500 ppm	Week : 3	3.6	253	25	15
0537_03	1500 ppm	Week : 3	3.5	231	38	19
0538_03	1500 ppm	Week : 3	3.8	240	26	38
0539_03	1500 ppm	Week : 3	3.5	242	27	44
0540_03	1500 ppm	Week : 3	3.6	284	27	10
0541_03	3000 ppm	Week : 1	3.7	380	29	19
0542_03	3000 ppm	Week : 1	3.5	269	27	16
0543_03	3000 ppm	Week : 1	3.1	347	22	8
0544_03	3000 ppm	Week : 1	3.1	348	21	
0545_03	3000 ppm	Week : 1	3.2	332	24	17
0546_03	3000 ppm	Week : 1	3.3	346	22	8
0547_03	3000 ppm	Week : 1	3.2	333	25	19
0548_03	3000 ppm	Week : 1	3.4	340	32	8
0549_03	3000 ppm	Week : 1	3.6	250	25	29
0550_03	3000 ppm	Week : 1	3.1	305	24	

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0550_03	3000 ppm	Week : 1	3.1	305	24	
0551_03	3000 ppm	Week : 3	3.6	247	33	30
0552_03	3000 ppm	Week : 3	3.7	222	32	15
0553_03	3000 ppm	Week : 3	3.8	267	36	22
0554_03	3000 ppm	Week : 3	3.6	230	27	26
0555_03	3000 ppm	Week : 3	3.4	218	24	11
0556_03	3000 ppm	Week : 3	3.5	224	24	9
0557_03	3000 ppm	Week : 3	3.7	279	40	68
0558_03	3000 ppm	Week : 3	3.7	261	35	18
0559_03	3000 ppm	Week : 3	3.4	226	28	18
0560_03	3000 ppm	Week : 3	3.6	249	31	10
0561_03	4500 ppm	Week : 1	3.1	289	27	30
0562_03	4500 ppm	Week : 1	3	311	26	16
0563_03	4500 ppm	Week : 1	3.4	302	30	13
0564_03	4500 ppm	Week : 1	3.3	303	28	20
0565_03	4500 ppm	Week : 1	3.1	314	29	64
0566_03	4500 ppm	Week : 1	2.9	320	25	15
0567_03	4500 ppm	Week : 1	3.3	301	33	19
0568_03	4500 ppm	Week : 1	3.3	343	29	10
0569_03	4500 ppm	Week : 1	3.2	327	26	10
0570_03	4500 ppm	Week : 1	2.7	324	28	15
0571_03	4500 ppm	Week : 3	3.6	228	33	21

## FEMALE

Animal No.	Dose	Time In Study	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0572_03	4500 ppm	Week : 3	3.5	219	36	26
0573_03	4500 ppm	Week : 3	3.1	224	29	10
0574_03	4500 ppm	Week : 3	3.4	223	27	11
0575_03	4500 ppm	Week : 3	3.4	232	31	32
0576_03	4500 ppm	Week : 3	3.7	241	37	32
0577_03	4500 ppm	Week : 3	3.4	220	33	12
0578_03	4500 ppm	Week : 3	3.7	210	35	42
0579_03	4500 ppm	Week : 3	3.5	255	34	14
0580_03	4500 ppm	Week : 3	3.6	243	24	5
0581_03	6000 ppm	Week : 1	3	359	37	20
0582_03	6000 ppm	Week : 1	3.3	276	30	7
0583_03	6000 ppm	Week : 1	3.2	327	31	6
0584_03	6000 ppm	Week : 1	3.4	378	29	10
0585_03	6000 ppm	Week : 1	2.9	317	30	15
0586_03	6000 ppm	Week : 1	3.3	376	28	15
0587_03	6000 ppm	Week : 1	3.2	280	37	8
0588_03	6000 ppm	Week : 1	3.7	347	32	35
0589_03	6000 ppm	Week : 1	3.4	387	26	
0590_03	6000 ppm	Week : 1	3.1	307	25	37
0591_03	6000 ppm	Week : 3	3.7	257	28	12
0592_03	6000 ppm	Week : 3	3.4	234	38	23
0593_03	6000 ppm	Week : 3	3.6	291	28	16

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

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	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0593_03	6000 ppm	Week : 3	3.6	291	28	16
0594_03	6000 ppm	Week : 3	3.4	228	36	16
0595_03	6000 ppm	Week : 3	3.4	218	39	44
0596_03	6000 ppm	Week : 3	3.5	239	33	30
0597_03	6000 ppm	Week : 3	3.3	237	35	14
0598_03	6000 ppm	Week : 3	3.4	219	29	18
0599_03	6000 ppm	Week : 3	3.5	262	26	21
0600_03	6000 ppm	Week : 3	3.6	233	30	34

## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0061_03	0 ppm	Week : 13	16	237	0.6	7
0062_03	0 ppm	Week : 13	20	141	0.6	7.2
0063_03	0 ppm	Week : 13	20	143	0.7	7
0064_03	0 ppm	Week : 13	17	220	0.5	6.4
0065_03	0 ppm	Week : 13	17	250	0.6	6.7
0066_03	0 ppm	Week : 13	19	166	0.5	6.8
0067_03	0 ppm	Week : 13	21	59	0.5	6.7
0068_03	0 ppm	Week : 13	18	60	0.5	7.1
0069_03	0 ppm	Week : 13	18	136	0.6	7
0070_03	0 ppm	Week : 13	18	106	0.5	6.8
0071_03	750 ppm	Week : 13	13	128	0.6	6.4
0072_03	750 ppm	Week : 13	18	193	0.5	6.6
0073_03	750 ppm	Week : 13	20	106	0.5	6.3
0074_03	750 ppm	Week : 13	21	277	0.6	6.4
0075_03	750 ppm	Week : 13	19	178	0.5	6.6
0076_03	750 ppm	Week : 13	21	187	0.6	7.2
0077_03	750 ppm	Week : 13	15	139	0.5	6.9
0078_03	750 ppm	Week : 13	19	99	0.6	7.5
0079_03	750 ppm	Week : 13	20	128	0.6	7
0080_03	750 ppm	Week : 13	21	108	0.6	7.2
0081_03	1500 ppm	Week : 13	19	145	0.6	6.3
0082_03	1500 ppm	Week : 13	22	104	0.8	6.7

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**FEMALE**

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Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0083_03	1500 ppm	Week : 13	21	270	0.7	6.7
0084_03	1500 ppm	Week : 13	21	126	0.5	6.4
0085_03	1500 ppm	Week : 13	21	200	0.5	6.4
0086_03	1500 ppm	Week : 13	23	192	0.6	6.4
0087_03	1500 ppm	Week : 13	20	165	0.6	6.1
0088_03	1500 ppm	Week : 13	20	178	0.6	5.9
0089_03	1500 ppm	Week : 13	19	78	0.5	6.2
0090_03	1500 ppm	Week : 13	20	206	0.6	6.6
0091_03	3000 ppm	Week : 13	20	222	0.6	6.1
0092_03	3000 ppm	Week : 13	30	443	0.7	6.6
0093_03	3000 ppm	Week : 13	21	175	0.6	6.2
0094_03	3000 ppm	Week : 13	21	146	0.6	6.4
0095_03	3000 ppm	Week : 13	21	327	0.7	6.5
0096_03	3000 ppm	Week : 13	15	174	0.7	6.4
0097_03	3000 ppm	Week : 13	19	288	0.6	6.4
0098_03	3000 ppm	Week : 13	22	212	0.8	6.5
0099_03	3000 ppm	Week : 13	19	122	0.5	5.7
0100_03	3000 ppm	Week : 13	23	227	0.7	6.4
0101_03	4500 ppm	Week : 13	26	251	0.7	5.9
0102_03	4500 ppm	Week : 13	28	255	0.6	5.9
0103_03	4500 ppm	Week : 13	31	239	0.7	5.4
0104_03	4500 ppm	Week : 13	28	341	0.8	5.9

Experiment Number: 05197-03

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0105_03	4500 ppm	Week : 13	26	420	0.7	5.8
0106_03	4500 ppm	Week : 13	26	259	0.7	6.2
0107_03	4500 ppm	Week : 13	26	228	0.6	5.6
0108_03	4500 ppm	Week : 13	25	169	0.6	5.9
0109_03	4500 ppm	Week : 13	25	240	0.6	5.8
0110_03	4500 ppm	Week : 13	21	233	0.6	5.7
0111_03	6000 ppm	Week : 13	34	321	0.7	6.1
0112_03	6000 ppm	Week : 13	30	270	0.6	5.3
0113_03	6000 ppm	Week : 13	32	232	0.6	5.5
0114_03	6000 ppm	Week : 13	33	242	0.8	5.8
0115_03	6000 ppm	Week : 13	22	110	0.7	5.9
0116_03	6000 ppm	Week : 13	33	212	0.6	5.6
0117_03	6000 ppm	Week : 13	36	178	0.6	5.5
0118_03	6000 ppm	Week : 13	27	143	0.6	5.8
0119_03	6000 ppm	Week : 13	34	323	0.8	5.7
0120_03	6000 ppm	Week : 13	31	69	0.6	5.9
0481_03	0 ppm	Week : 1	18	422	0.3	5.4
0482_03	0 ppm	Week : 1	21	584	0.3	5.6
0483_03	0 ppm	Week : 1	18	631	0.3	5.7
0484_03	0 ppm	Week : 1	21	539	0.3	5.7
0485_03	0 ppm	Week : 1	20	325	0.4	5.6
0486_03	0 ppm	Week : 1	19	591	0.5	6.3



## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0487_03	0 ppm	Week : 1	19	504	0.3	6.1
0488_03	0 ppm	Week : 1	23	553	0.4	5.2
0489_03	0 ppm	Week : 1	19	746	0.4	5.8
0490_03	0 ppm	Week : 1	18	525	0.3	5.8
0491_03	0 ppm	Week : 3	25	717	0.6	6.7
0492_03	0 ppm	Week : 3	29	262	0.5	6.8
0493_03	0 ppm	Week : 3	22	108	0.5	6.3
0494_03	0 ppm	Week : 3	24	349	0.5	6.5
0495_03	0 ppm	Week : 3	26	513	0.5	7.2
0496_03	0 ppm	Week : 3	21	1210	0.4	6.3
0497_03	0 ppm	Week : 3	22	211	0.4	6.6
0498_03	0 ppm	Week : 3	20	384	0.6	6.4
0499_03	0 ppm	Week : 3	22	308	0.5	6.6
0500_03	0 ppm	Week : 3	22	226	0.5	6.8
0501_03	750 ppm	Week : 1	16	512	0.4	5.8
0502_03	750 ppm	Week : 1	17	668	0.4	5.8
0503_03	750 ppm	Week : 1	17	392	0.4	6
0504_03	750 ppm	Week : 1	13	318	0.4	5.9
0505_03	750 ppm	Week : 1	25	790	0.4	5.5
0506_03	750 ppm	Week : 1	23	724	0.4	5.9
0507_03	750 ppm	Week : 1	16	349	0.3	5.7
0508_03	750 ppm	Week : 1	26	773	0.4	5.7

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0509_03	750 ppm	Week : 1	17	699	0.4	6.2
0510_03	750 ppm	Week : 1	20	674	0.4	5.7
0511_03	750 ppm	Week : 3	22	164	0.5	6.6
0512_03	750 ppm	Week : 3	21	1083	0.5	6.6
0513_03	750 ppm	Week : 3	24	438	0.5	6.9
0514_03	750 ppm	Week : 3	23	318	0.5	6.3
0515_03	750 ppm	Week : 3	18	1706	0.5	6.6
0516_03	750 ppm	Week : 3	21	421	0.5	6.6
0517_03	750 ppm	Week : 3	21	278	0.5	6.7
0518_03	750 ppm	Week : 3	21	322	0.5	6.5
0519_03	750 ppm	Week : 3	24	1508	0.6	7
0520_03	750 ppm	Week : 3	20	464	0.6	6.6
0521_03	1500 ppm	Week : 1	18	498	0.3	5.6
0522_03	1500 ppm	Week : 1	18	457	0.4	5.7
0523_03	1500 ppm	Week : 1	21	732	0.3	5.6
0524_03	1500 ppm	Week : 1	19	592	0.2	5.6
0525_03	1500 ppm	Week : 1	22	646	0.3	5.5
0526_03	1500 ppm	Week : 1	17	459	0.4	5.5
0527_03	1500 ppm	Week : 1	23	529	0.4	5.5
0528_03	1500 ppm	Week : 1	21	447	0.2	5.6
0529_03	1500 ppm	Week : 1	23	572	0.4	5.8
0530_03	1500 ppm	Week : 1	21	310	0.4	5.7

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0531_03	1500 ppm	Week : 3	18	1484	0.5	6.5
0532_03	1500 ppm	Week : 3	20	135	0.4	5.9
0533_03	1500 ppm	Week : 3	23	164	0.5	6.5
0534_03	1500 ppm	Week : 3	22	312	0.5	6.1
0535_03	1500 ppm	Week : 3	22	150	0.5	6.3
0536_03	1500 ppm	Week : 3	22	163	0.5	6.4
0537_03	1500 ppm	Week : 3	26	1215	0.9	6.4
0538_03	1500 ppm	Week : 3	27	113	0.6	6.6
0539_03	1500 ppm	Week : 3	25	299	0.4	6.2
0540_03	1500 ppm	Week : 3	21	666	0.5	6.6
0541_03	3000 ppm	Week : 1	21	462	0.4	5.9
0542_03	3000 ppm	Week : 1	24	474	0.4	5.4
0543_03	3000 ppm	Week : 1	22	796	0.3	5.2
0544_03	3000 ppm	Week : 1	17	653	0.3	5.4
0545_03	3000 ppm	Week : 1	22	659	0.4	5.2
0546_03	3000 ppm	Week : 1	21	580	0.4	5.7
0547_03	3000 ppm	Week : 1	20	376	0.4	5.4
0548_03	3000 ppm	Week : 1	15	974	0.4	5.6
0549_03	3000 ppm	Week : 1	21	712	0.4	5.6
0550_03	3000 ppm	Week : 1	18	822	0.4	5.6
0551_03	3000 ppm	Week : 3	24	980	0.5	6.3
0552_03	3000 ppm	Week : 3	27	313	0.5	6.5

Experiment Number: 05197-03

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0553_03	3000 ppm	Week : 3	29	906	0.6	6.6
0554_03	3000 ppm	Week : 3	24	149	0.4	6.1
0555_03	3000 ppm	Week : 3	24	143	0.4	6
0556_03	3000 ppm	Week : 3	27	96	0.5	6.2
0557_03	3000 ppm	Week : 3	31	384	0.5	6.3
0558_03	3000 ppm	Week : 3	24	879	0.5	6.3
0559_03	3000 ppm	Week : 3	27	244	0.4	6.1
0560_03	3000 ppm	Week : 3	24	216	0.5	6.2
0561_03	4500 ppm	Week : 1	21	524	0.4	5.4
0562_03	4500 ppm	Week : 1	27	461	0.4	5.3
0563_03	4500 ppm	Week : 1	25	816	0.4	5.6
0564_03	4500 ppm	Week : 1	24	634	0.4	5.2
0565_03	4500 ppm	Week : 1	21	446	0.4	5.6
0566_03	4500 ppm	Week : 1	17	754	0.4	5.2
0567_03	4500 ppm	Week : 1	25	762	0.4	5.5
0568_03	4500 ppm	Week : 1	24	605	0.4	5.5
0569_03	4500 ppm	Week : 1	18	1112	0.3	5.2
0570_03	4500 ppm	Week : 1	20	325	0.4	4.9
0571_03	4500 ppm	Week : 3	28	120	0.6	6.4
0572_03	4500 ppm	Week : 3	20	440	0.5	6
0573_03	4500 ppm	Week : 3	29	97	0.5	5.6
0574_03	4500 ppm	Week : 3	27	189	0.4	5.7

Experiment Number: 05197-03

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0575_03	4500 ppm	Week : 3	33	290	0.5	6
0576_03	4500 ppm	Week : 3	28	286	0.6	6.2
0577_03	4500 ppm	Week : 3	31	267	0.5	5.9
0578_03	4500 ppm	Week : 3	38	649	0.6	6.5
0579_03	4500 ppm	Week : 3	29	275	0.5	5.8
0580_03	4500 ppm	Week : 3	28	229	0.4	6
0581_03	6000 ppm	Week : 1	20	642	0.5	5.8
0582_03	6000 ppm	Week : 1	21	413	0.5	5.6
0583_03	6000 ppm	Week : 1	18	861	0.4	5.7
0584_03	6000 ppm	Week : 1	21	781	0.5	5.6
0585_03	6000 ppm	Week : 1	26	751	0.4	5.4
0586_03	6000 ppm	Week : 1	24	657	0.5	5.9
0587_03	6000 ppm	Week : 1	21	465	0.4	4.9
0588_03	6000 ppm	Week : 1	20	900	0.4	5.8
0589_03	6000 ppm	Week : 1	21	448	0.3	5.6
0590_03	6000 ppm	Week : 1	25	548	0.4	5.5
0591_03	6000 ppm	Week : 3	25	225	0.5	6.1
0592_03	6000 ppm	Week : 3	31	242	0.5	5.8
0593_03	6000 ppm	Week : 3	30	210	0.5	6.1
0594_03	6000 ppm	Week : 3	37	321	0.5	5.8
0595_03	6000 ppm	Week : 3	29	1190	0.6	5.8
0596_03	6000 ppm	Week : 3	35	436	0.6	5.9

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Protein Total g per dL
0597_03	6000 ppm	Week : 3	28	232	0.5	5.8
0598_03	6000 ppm	Week : 3	31	471	0.5	5.8
0599_03	6000 ppm	Week : 3	30	543	0.5	6.1
0600_03	6000 ppm	Week : 3	33	249	0.6	6

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0061_03	0 ppm	Week : 13	4
0062_03	0 ppm	Week : 13	6
0063_03	0 ppm	Week : 13	4
0064_03	0 ppm	Week : 13	5
0065_03	0 ppm	Week : 13	5
0066_03	0 ppm	Week : 13	5
0067_03	0 ppm	Week : 13	6
0068_03	0 ppm	Week : 13	6
0069_03	0 ppm	Week : 13	5
0070_03	0 ppm	Week : 13	5
0071_03	750 ppm	Week : 13	4
0072_03	750 ppm	Week : 13	4
0073_03	750 ppm	Week : 13	4
0074_03	750 ppm	Week : 13	4
0075_03	750 ppm	Week : 13	4
0076_03	750 ppm	Week : 13	6
0077_03	750 ppm	Week : 13	4
0078_03	750 ppm	Week : 13	5
0079_03	750 ppm	Week : 13	3
0080_03	750 ppm	Week : 13	5
0081_03	1500 ppm	Week : 13	3
0082_03	1500 ppm	Week : 13	6

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0083_03	1500 ppm	Week : 13	6
0084_03	1500 ppm	Week : 13	8
0085_03	1500 ppm	Week : 13	4
0086_03	1500 ppm	Week : 13	5
0087_03	1500 ppm	Week : 13	4
0088_03	1500 ppm	Week : 13	4
0089_03	1500 ppm	Week : 13	6
0090_03	1500 ppm	Week : 13	4
0091_03	3000 ppm	Week : 13	5
0092_03	3000 ppm	Week : 13	5
0093_03	3000 ppm	Week : 13	5
0094_03	3000 ppm	Week : 13	4
0095_03	3000 ppm	Week : 13	7
0096_03	3000 ppm	Week : 13	4
0097_03	3000 ppm	Week : 13	4
0098_03	3000 ppm	Week : 13	3
0099_03	3000 ppm	Week : 13	5
0100_03	3000 ppm	Week : 13	5
0101_03	4500 ppm	Week : 13	4
0102_03	4500 ppm	Week : 13	5
0103_03	4500 ppm	Week : 13	5
0104_03	4500 ppm	Week : 13	4



Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0105_03	4500 ppm	Week : 13	5
0106_03	4500 ppm	Week : 13	4
0107_03	4500 ppm	Week : 13	5
0108_03	4500 ppm	Week : 13	5
0109_03	4500 ppm	Week : 13	5
0110_03	4500 ppm	Week : 13	4
0111_03	6000 ppm	Week : 13	7
0112_03	6000 ppm	Week : 13	5
0113_03	6000 ppm	Week : 13	5
0114_03	6000 ppm	Week : 13	4
0115_03	6000 ppm	Week : 13	6
0116_03	6000 ppm	Week : 13	5
0117_03	6000 ppm	Week : 13	8
0118_03	6000 ppm	Week : 13	5
0119_03	6000 ppm	Week : 13	4
0120_03	6000 ppm	Week : 13	5
0481_03	0 ppm	Week : 1	4
0482_03	0 ppm	Week : 1	6
0483_03	0 ppm	Week : 1	5
0484_03	0 ppm	Week : 1	5
0485_03	0 ppm	Week : 1	4
0486_03	0 ppm	Week : 1	3

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0487_03	0 ppm	Week : 1	5
0488_03	0 ppm	Week : 1	5
0489_03	0 ppm	Week : 1	4
0490_03	0 ppm	Week : 1	5
0491_03	0 ppm	Week : 3	6
0492_03	0 ppm	Week : 3	6
0493_03	0 ppm	Week : 3	5
0494_03	0 ppm	Week : 3	7
0495_03	0 ppm	Week : 3	16
0496_03	0 ppm	Week : 3	7
0497_03	0 ppm	Week : 3	6
0498_03	0 ppm	Week : 3	4
0499_03	0 ppm	Week : 3	4
0500_03	0 ppm	Week : 3	10
0501_03	750 ppm	Week : 1	5
0502_03	750 ppm	Week : 1	5
0503_03	750 ppm	Week : 1	4
0504_03	750 ppm	Week : 1	5
0505_03	750 ppm	Week : 1	5
0506_03	750 ppm	Week : 1	5
0507_03	750 ppm	Week : 1	5
0508_03	750 ppm	Week : 1	5

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:56

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0509_03	750 ppm	Week : 1	4
0510_03	750 ppm	Week : 1	4
0511_03	750 ppm	Week : 3	6
0512_03	750 ppm	Week : 3	6
0513_03	750 ppm	Week : 3	5
0514_03	750 ppm	Week : 3	5
0515_03	750 ppm	Week : 3	7
0516_03	750 ppm	Week : 3	6
0517_03	750 ppm	Week : 3	5
0518_03	750 ppm	Week : 3	8
0519_03	750 ppm	Week : 3	4
0520_03	750 ppm	Week : 3	8
0521_03	1500 ppm	Week : 1	5
0522_03	1500 ppm	Week : 1	4
0523_03	1500 ppm	Week : 1	4
0524_03	1500 ppm	Week : 1	5
0525_03	1500 ppm	Week : 1	5
0526_03	1500 ppm	Week : 1	4
0527_03	1500 ppm	Week : 1	4
0528_03	1500 ppm	Week : 1	5
0529_03	1500 ppm	Week : 1	5
0530_03	1500 ppm	Week : 1	4

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:57

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0531_03	1500 ppm	Week : 3	5
0532_03	1500 ppm	Week : 3	6
0533_03	1500 ppm	Week : 3	6
0534_03	1500 ppm	Week : 3	6
0535_03	1500 ppm	Week : 3	7
0536_03	1500 ppm	Week : 3	9
0537_03	1500 ppm	Week : 3	10
0538_03	1500 ppm	Week : 3	8
0539_03	1500 ppm	Week : 3	5
0540_03	1500 ppm	Week : 3	4
0541_03	3000 ppm	Week : 1	5
0542_03	3000 ppm	Week : 1	5
0543_03	3000 ppm	Week : 1	5
0544_03	3000 ppm	Week : 1	5
0545_03	3000 ppm	Week : 1	3
0546_03	3000 ppm	Week : 1	5
0547_03	3000 ppm	Week : 1	4
0548_03	3000 ppm	Week : 1	5
0549_03	3000 ppm	Week : 1	5
0550_03	3000 ppm	Week : 1	5
0551_03	3000 ppm	Week : 3	6
0552_03	3000 ppm	Week : 3	11

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:57

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0553_03	3000 ppm	Week : 3	9
0554_03	3000 ppm	Week : 3	9
0555_03	3000 ppm	Week : 3	13
0556_03	3000 ppm	Week : 3	8
0557_03	3000 ppm	Week : 3	11
0558_03	3000 ppm	Week : 3	15
0559_03	3000 ppm	Week : 3	14
0560_03	3000 ppm	Week : 3	7
0561_03	4500 ppm	Week : 1	6
0562_03	4500 ppm	Week : 1	5
0563_03	4500 ppm	Week : 1	5
0564_03	4500 ppm	Week : 1	6
0565_03	4500 ppm	Week : 1	6
0566_03	4500 ppm	Week : 1	4
0567_03	4500 ppm	Week : 1	7
0568_03	4500 ppm	Week : 1	6
0569_03	4500 ppm	Week : 1	4
0570_03	4500 ppm	Week : 1	5
0571_03	4500 ppm	Week : 3	16
0572_03	4500 ppm	Week : 3	16
0573_03	4500 ppm	Week : 3	10
0574_03	4500 ppm	Week : 3	14

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:57

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0575_03	4500 ppm	Week : 3	12
0576_03	4500 ppm	Week : 3	7
0577_03	4500 ppm	Week : 3	13
0578_03	4500 ppm	Week : 3	10
0579_03	4500 ppm	Week : 3	14
0580_03	4500 ppm	Week : 3	8
0581_03	6000 ppm	Week : 1	10
0582_03	6000 ppm	Week : 1	6
0583_03	6000 ppm	Week : 1	7
0584_03	6000 ppm	Week : 1	5
0585_03	6000 ppm	Week : 1	7
0586_03	6000 ppm	Week : 1	5
0587_03	6000 ppm	Week : 1	10
0588_03	6000 ppm	Week : 1	5
0589_03	6000 ppm	Week : 1	5
0590_03	6000 ppm	Week : 1	5
0591_03	6000 ppm	Week : 3	6
0592_03	6000 ppm	Week : 3	11
0593_03	6000 ppm	Week : 3	8
0594_03	6000 ppm	Week : 3	10
0595_03	6000 ppm	Week : 3	14
0596_03	6000 ppm	Week : 3	10

Experiment Number: 05197-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:59:57

First Dose M/F: NA / NA

Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	SDH IU per L
0597_03	6000 ppm	Week : 3	11
0598_03	6000 ppm	Week : 3	8
0599_03	6000 ppm	Week : 3	12
0600_03	6000 ppm	Week : 3	10

\*\* END OF REPORT \*\*