

**Experiment Number:** 05216-03

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

**P42: Clinical Chemistry Data**

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

**Time Report Requested:** 00:37:04

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

**Lab:** NA

**C Number:** C61881

**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
0101_03	0 ppm	Week : 13	4.8	575	60	21.9
0102_03	0 ppm	Week : 13	4.6	484	122	34.5
0103_03	0 ppm	Week : 13	4.7	487	39	22.8
0104_03	0 ppm	Week : 13	4.8	512	64	13.1
0105_03	0 ppm	Week : 13	5.2	450	51	12.8
0106_03	0 ppm	Week : 13	4.9	496	46	13
0107_03	0 ppm	Week : 13	5	552	62	15.2
0108_03	0 ppm	Week : 13	4.9	476	59	11.9
0109_03	0 ppm	Week : 13	4.9	504	95	16.5
0110_03	0 ppm	Week : 13	4.1	399	45	
0111_03	0 ppm	Day : 4	4.8	1636	39	11
0111_03	0 ppm	Day : 24	4.5	1085	52	7.8
0112_03	0 ppm	Day : 4	5.1	1618	47	15
0112_03	0 ppm	Day : 24	4.6	995	49	11.3
0113_03	0 ppm	Day : 4	4.7	1769	43	9
0113_03	0 ppm	Day : 24	4.6	1177	41	6
0114_03	0 ppm	Day : 4	4.6	1533	37	11
0114_03	0 ppm	Day : 24	4.6	1067	40	3.3
0115_03	0 ppm	Day : 4	4.6	1596	40	11
0115_03	0 ppm	Day : 24	4.4	1040	39	11.2
0116_03	0 ppm	Day : 4	4.6	1583	39	13
0116_03	0 ppm	Day : 24	4.7	1119	72	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
0117_03	0 ppm	Day : 4	4.7	1592	41	23
0117_03	0 ppm	Day : 24	4.5	1094	45	5.6
0118_03	0 ppm	Day : 4	4.6	1668	43	9
0118_03	0 ppm	Day : 24	4.7	1187	54	11.2
0119_03	0 ppm	Day : 4	4.5	1557	37	11
0119_03	0 ppm	Day : 24	4.5	1125	46	10.1
0120_03	0 ppm	Day : 4	4.6	1711	36	12
0120_03	0 ppm	Day : 24	4.4	1061	48	11.3
0201_03	5 ppm	Week : 13	4.7	518	49	11.2
0202_03	5 ppm	Week : 13	4.8	524	51	14.6
0203_03	5 ppm	Week : 13	4.8	518	39	12.5
0204_03	5 ppm	Week : 13	4.9	564	256*	17.8
0205_03	5 ppm	Week : 13	4.9	547	66	13
0206_03	5 ppm	Week : 13	4.5	477	107	18.6
0207_03	5 ppm	Week : 13	4.7	463	41	10.6
0208_03	5 ppm	Week : 13	4.5	421	95	16.3
0209_03	5 ppm	Week : 13	4.9	549	86	12.7
0210_03	5 ppm	Week : 13	5	554	74	11.3
0211_03	5 ppm	Day : 4	4.7	1647	45	17
0211_03	5 ppm	Day : 24	4.5	1021	90*	6.6
0212_03	5 ppm	Day : 4	4.9	1480	52	10
0212_03	5 ppm	Day : 24	4.6	1012	35	3

## 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
0212_03	5 ppm	Day : 24	4.6	1012	35	3
0213_03	5 ppm	Day : 4	4.9	1594	44	9
0213_03	5 ppm	Day : 24	4.9	1022	37	6.8
0214_03	5 ppm	Day : 4	4.6	1637	44	11
0214_03	5 ppm	Day : 24	4.8	1311	44	12.2
0215_03	5 ppm	Day : 4	4.5	1526	49	15
0215_03	5 ppm	Day : 24	4.5	1096	38	6.2
0216_03	5 ppm	Day : 4	5	1586	48	9
0216_03	5 ppm	Day : 24	4.9	1172	39	13.3
0217_03	5 ppm	Day : 4	4.9	1648	44	10
0217_03	5 ppm	Day : 24	4.8	1173	36	14.5
0218_03	5 ppm	Day : 4	4.9	1538	50	12
0218_03	5 ppm	Day : 24	4.5	1016	40	7.4
0219_03	5 ppm	Day : 4	4.7	1675	59	15
0219_03	5 ppm	Day : 24	4.9	1137	43	12.5
0220_03	5 ppm	Day : 4	4.7	1446	41	12
0220_03	5 ppm	Day : 24	4.7	1045	36	5.7
0301_03	10 ppm	Week : 13	4.9	546	51	10.9
0302_03	10 ppm	Week : 13	5	559	157	18
0303_03	10 ppm	Week : 13	4.8	540	189	21.5
0304_03	10 ppm	Week : 13	4.7	479	107	21.9
0305_03	10 ppm	Week : 13	4.9	504	49	15.9

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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
0306_03	10 ppm	Week : 13	4.7	445	61	20.2
0307_03	10 ppm	Week : 13	4.8	509	106	11
0308_03	10 ppm	Week : 13	4.9	509	60	16.3
0309_03	10 ppm	Week : 13	4.6	475	94	23.7
0311_03	10 ppm	Day : 4	4.8	1628	44	10
0311_03	10 ppm	Day : 24	4.7	1058	51	8
0312_03	10 ppm	Day : 4	4.8	1632	47	7
0312_03	10 ppm	Day : 24	4.8	1218	48	10.7
0313_03	10 ppm	Day : 4	4.5	1495	41	16
0313_03	10 ppm	Day : 24	4.6	1083	47	8.6
0314_03	10 ppm	Day : 4	4.8	1575	43	14
0314_03	10 ppm	Day : 24	4.6	1010	44	7.5
0315_03	10 ppm	Day : 4	4.6	1746	45	14
0315_03	10 ppm	Day : 24	4.4	1143	51	3.9
0316_03	10 ppm	Day : 4	4.7	1502	42	18
0316_03	10 ppm	Day : 24	4.8	1047	51	8.4
0317_03	10 ppm	Day : 4	4.7	1623	45	10
0317_03	10 ppm	Day : 24	4.6	1174	62	14.4
0318_03	10 ppm	Day : 4	4.4	1238	41	13
0318_03	10 ppm	Day : 24	5.1	832	29	8
0319_03	10 ppm	Day : 4	4.7	1515	43	12
0319_03	10 ppm	Day : 24	4.6	1058	44	6.5

## 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
0319_03	10 ppm	Day : 24	4.6	1058	44	6.5
0320_03	10 ppm	Day : 4	4.4	1384	46	16
0320_03	10 ppm	Day : 24	4.7	990	57	14.1
0401_03	20 ppm	Week : 13	4.9	493	120	11.6
0402_03	20 ppm	Week : 13	4.9	447	81	15.4
0403_03	20 ppm	Week : 13	5.1	378	82	22.1
0404_03	20 ppm	Week : 13	4.8	568	44	31.3
0405_03	20 ppm	Week : 13	5.1	434	67	14.6
0406_03	20 ppm	Week : 13	4.7	361	58	14.6
0407_03	20 ppm	Week : 13	5.1	476	61	24.9
0408_03	20 ppm	Week : 13	4.8	463	63	21.1
0409_03	20 ppm	Week : 13	5.2	443	72	25.1
0410_03	20 ppm	Week : 13	4.9	467	50	11
0411_03	20 ppm	Day : 4	4.9	1283	46	17
0411_03	20 ppm	Day : 24	4.4	912	38	6
0412_03	20 ppm	Day : 4	4.7	1508	42	12
0412_03	20 ppm	Day : 24	4.9	1103	46	7.8
0413_03	20 ppm	Day : 4	5	1434	44	9
0413_03	20 ppm	Day : 24	4.5	1063	38	6.5
0414_03	20 ppm	Day : 4	4.8	1434	46	13
0414_03	20 ppm	Day : 24	4.5	1032	43	3.4
0415_03	20 ppm	Day : 4	5	1445	44	11

## 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
0415_03	20 ppm	Day : 24	4.6	1009	72	13
0416_03	20 ppm	Day : 4	4.8	1404	53	12
0416_03	20 ppm	Day : 24	4.9	1052	41	5.7
0417_03	20 ppm	Day : 4	4.5	1276	41	11
0417_03	20 ppm	Day : 24	4.6	1047	42	17.7
0418_03	20 ppm	Day : 4	4.9	1440	45	9
0418_03	20 ppm	Day : 24	4.7	974	39	27.4
0419_03	20 ppm	Day : 4	4.9	1358	46	10
0419_03	20 ppm	Day : 24	4.8	1143	43	10.6
0420_03	20 ppm	Day : 4	4.8	1378	50	8
0420_03	20 ppm	Day : 24	4.7	1002	38	6.5
0501_03	40 ppm	Week : 13	4.8	347	102	18.3
0502_03	40 ppm	Week : 13	4.9	387	87	15.4
0503_03	40 ppm	Week : 13	4.7	352	57	19
0504_03	40 ppm	Week : 13	4.9	458	113	16.2
0505_03	40 ppm	Week : 13	4.9	467	114	10.7
0506_03	40 ppm	Week : 13	4.7	414	70	16.3
0507_03	40 ppm	Week : 13	4.9	443	39	15.5
0508_03	40 ppm	Week : 13	4.9	535	72	13.7
0509_03	40 ppm	Week : 13	4.8	403	61	12.8
0510_03	40 ppm	Week : 13	4.5	491	58	16
0511_03	40 ppm	Day : 4	4.8	1264	56	12

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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
0511_03	40 ppm	Day : 4	4.8	1264	56	12
0511_03	40 ppm	Day : 24	4.7	812	40	9.7
0512_03	40 ppm	Day : 4	5	1291	46	12
0512_03	40 ppm	Day : 24	4.8	808	33	15.6
0513_03	40 ppm	Day : 4	4.6	1186	43	12
0513_03	40 ppm	Day : 24	4.6	793	43	6.5
0514_03	40 ppm	Day : 4	4.6	1189	39	9
0514_03	40 ppm	Day : 24	4.6	793	35	21.5
0515_03	40 ppm	Day : 4	5	1555	50	14
0515_03	40 ppm	Day : 24	4.7	964	41	9.2
0516_03	40 ppm	Day : 4	4.8	1339	45	13
0516_03	40 ppm	Day : 24	4.7	852	40	2.7
0517_03	40 ppm	Day : 4	4.8	1211	46	13
0517_03	40 ppm	Day : 24	4.4	945	44	5.1
0518_03	40 ppm	Day : 4	4.6	1359	52	9
0518_03	40 ppm	Day : 24	4.6	851	44	10
0519_03	40 ppm	Day : 4	4.5	1091	47	9
0519_03	40 ppm	Day : 24	4.4	842	52	8.4
0520_03	40 ppm	Day : 4	4.4	1328	48	11
0520_03	40 ppm	Day : 24	4.4	955	56	4.7
0601_03	80 ppm	Week : 13	4.8	374	56	12.7
0602_03	80 ppm	Week : 13	4.9	387	99	30.5



## 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
0603_03	80 ppm	Week : 13	4.9	383	49	32.8
0604_03	80 ppm	Week : 13	4.9	383	114	34.6
0605_03	80 ppm	Week : 13	5.1	395	52	29.6
0606_03	80 ppm	Week : 13	5	399	139	36.1
0607_03	80 ppm	Week : 13	4.9	475	52	9.26
0608_03	80 ppm	Week : 13	5	371	52	17.2
0609_03	80 ppm	Week : 13	4.9	428	98	27.4
0610_03	80 ppm	Week : 13	4.9	404	48	17.1
0611_03	80 ppm	Day : 4	4.4	1081	41	13
0611_03	80 ppm	Day : 24	4.8	853	45	12.8
0612_03	80 ppm	Day : 4	4.8	1178	48	14
0612_03	80 ppm	Day : 24	4.7	782	73	15
0613_03	80 ppm	Day : 4	4.8	1320	52	12
0613_03	80 ppm	Day : 24	5	936	48	24.7
0614_03	80 ppm	Day : 4	4.5	1137	42	8
0614_03	80 ppm	Day : 24	4.6	959	47	30.4
0615_03	80 ppm	Day : 4	4.6	1174	53	9
0615_03	80 ppm	Day : 24	4.6	860	40	12.1
0616_03	80 ppm	Day : 4	4.6	1205	40	13
0616_03	80 ppm	Day : 24	4.9	812	40	10.3
0617_03	80 ppm	Day : 4	4.4	1175	43	9
0617_03	80 ppm	Day : 24	4.6	856	47	7.5

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:05

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
0617_03	80 ppm	Day : 24	4.6	856	47	7.5
0618_03	80 ppm	Day : 4	4.6	1840	44	17
0618_03	80 ppm	Day : 24	5	1493	39	9
0619_03	80 ppm	Day : 4	4.6	1139	44	6
0619_03	80 ppm	Day : 24	4.7	897	47	15.6
0620_03	80 ppm	Day : 4	4.5	998	49	13
0620_03	80 ppm	Day : 24	4.9	751	45	4.8

## 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
0101_03	0 ppm	Week : 13	19	142	0.7	7
0102_03	0 ppm	Week : 13	18	272	0.6	6.5
0103_03	0 ppm	Week : 13	17	89	0.6	6.8
0104_03	0 ppm	Week : 13	19	166	0.6	7.2
0105_03	0 ppm	Week : 13	17	80	0.6	7.4
0106_03	0 ppm	Week : 13	18	85	0.6	7.1
0107_03	0 ppm	Week : 13	18	68	0.6	7.2
0108_03	0 ppm	Week : 13	16	72	0.7	6.8
0109_03	0 ppm	Week : 13	17	103	0.6	7
0110_03	0 ppm	Week : 13	18	139	0.6	5.8
0111_03	0 ppm	Day : 4	28	523	0.6	6.4
0111_03	0 ppm	Day : 24	24	631	0.6	6.3
0112_03	0 ppm	Day : 4	28	834	0.6	6.8
0112_03	0 ppm	Day : 24	21	643	0.7	6.4
0113_03	0 ppm	Day : 4	30	436	0.7	6.3
0113_03	0 ppm	Day : 24	24	454	0.6	6.3
0114_03	0 ppm	Day : 4	28	457	0.7	6.2
0114_03	0 ppm	Day : 24	26	456	0.7	6.3
0115_03	0 ppm	Day : 4	29	608	0.6	6.2
0115_03	0 ppm	Day : 24	23	308	0.6	6.1
0116_03	0 ppm	Day : 4	30	748	0.7	6.3
0116_03	0 ppm	Day : 24	25	373	0.8	6.5

## 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
0117_03	0 ppm	Day : 4	28	559	0.6	6.4
0117_03	0 ppm	Day : 24	23	541	0.7	6.3
0118_03	0 ppm	Day : 4	26	445	0.6	6.1
0118_03	0 ppm	Day : 24	24	399	0.6	6.5
0119_03	0 ppm	Day : 4	26	463	0.7	6
0119_03	0 ppm	Day : 24	21	397	0.6	6.2
0120_03	0 ppm	Day : 4	30	599	0.7	5.9
0120_03	0 ppm	Day : 24	24	233	0.7	6.1
0201_03	5 ppm	Week : 13	18	311	0.6	6.8
0202_03	5 ppm	Week : 13	20	82	0.6	7.1
0203_03	5 ppm	Week : 13	21	71	0.6	7
0204_03	5 ppm	Week : 13	19	80	0.6	7
0205_03	5 ppm	Week : 13	22	256	0.6	7.4
0206_03	5 ppm	Week : 13	19	167	0.8	6.4
0207_03	5 ppm	Week : 13	17	55	0.6	6.9
0208_03	5 ppm	Week : 13	18	165	0.6	6.4
0209_03	5 ppm	Week : 13	19	153	0.6	7.1
0210_03	5 ppm	Week : 13	17	137	0.7	7.3
0211_03	5 ppm	Day : 4	28	763	0.6	6.2
0211_03	5 ppm	Day : 24	22	314	0.6	6.2
0212_03	5 ppm	Day : 4	32	370	0.8	6.5
0212_03	5 ppm	Day : 24	23	326	0.8	6.4

## 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
0213_03	5 ppm	Day : 4	28	286	0.8	6.7
0213_03	5 ppm	Day : 24	21	259	0.7	6.9
0214_03	5 ppm	Day : 4	28	644	0.6	6.1
0214_03	5 ppm	Day : 24	23	335	0.7	6.6
0215_03	5 ppm	Day : 4	22	721	0.6	6.2
0215_03	5 ppm	Day : 24	22	551	0.6	6.3
0216_03	5 ppm	Day : 4	27	549	0.7	6.9
0216_03	5 ppm	Day : 24	23	548	0.7	6.7
0217_03	5 ppm	Day : 4	32	324	0.7	7
0217_03	5 ppm	Day : 24	21	323	0.7	6.5
0218_03	5 ppm	Day : 4	30	514	0.7	6.5
0218_03	5 ppm	Day : 24	25	338	0.7	6.2
0219_03	5 ppm	Day : 4	34	725	0.8	6.4
0219_03	5 ppm	Day : 24	23	248	0.7	6.7
0220_03	5 ppm	Day : 4	30	659	0.7	6.1
0220_03	5 ppm	Day : 24	23	337	0.7	6.4
0301_03	10 ppm	Week : 13	18	112	0.6	7.1
0302_03	10 ppm	Week : 13	19	122	0.6	7.1
0303_03	10 ppm	Week : 13	21	184	0.6	6.9
0304_03	10 ppm	Week : 13	20	170	0.6	7
0305_03	10 ppm	Week : 13	18	87	0.6	7.2
0306_03	10 ppm	Week : 13	18	85	0.7	6.8

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:05

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
0307_03	10 ppm	Week : 13	19	127	0.6	7
0308_03	10 ppm	Week : 13	19	292	0.6	7.2
0309_03	10 ppm	Week : 13	20	859*	0.6	6.6
0311_03	10 ppm	Day : 4	30	612	0.7	6.5
0311_03	10 ppm	Day : 24	27	456	0.7	6.5
0312_03	10 ppm	Day : 4	32	792	0.7	6.4
0312_03	10 ppm	Day : 24	26	480	0.7	6.5
0313_03	10 ppm	Day : 4	30	383	0.7	6
0313_03	10 ppm	Day : 24	24	1010	0.7	6.5
0314_03	10 ppm	Day : 4	29	785	0.7	6.5
0314_03	10 ppm	Day : 24	25	385	0.7	6.4
0315_03	10 ppm	Day : 4	27	846	0.7	6.3
0315_03	10 ppm	Day : 24	23	404	0.6	6.4
0316_03	10 ppm	Day : 4	30	838	0.7	6.3
0316_03	10 ppm	Day : 24	25	224	0.7	6.6
0317_03	10 ppm	Day : 4	27	572	0.6	6.2
0317_03	10 ppm	Day : 24	23	1352	0.6	6.3
0318_03	10 ppm	Day : 4	34	543	0.7	5.9
0318_03	10 ppm	Day : 24	27	236	0.7	6.8
0319_03	10 ppm	Day : 4	28	623	0.7	6.3
0319_03	10 ppm	Day : 24	22	175	0.7	6.3
0320_03	10 ppm	Day : 4	26	678	0.7	5.9

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:05

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
0320_03	10 ppm	Day : 24	24	412	0.7	6.5
0401_03	20 ppm	Week : 13	19	183	0.6	6.9
0402_03	20 ppm	Week : 13	17	308	0.6	7.2
0403_03	20 ppm	Week : 13	17	99	0.6	7.3
0404_03	20 ppm	Week : 13	15	86	0.6	6.9
0405_03	20 ppm	Week : 13	17	294	0.6	7.3
0406_03	20 ppm	Week : 13	15	86	0.6	7.1
0407_03	20 ppm	Week : 13	17	125	0.6	7.4
0408_03	20 ppm	Week : 13	19	89	0.6	6.8
0409_03	20 ppm	Week : 13	18	77	0.7	7.5
0410_03	20 ppm	Week : 13	17	60	0.7	7.1
0411_03	20 ppm	Day : 4	31	478	0.7	6.8
0411_03	20 ppm	Day : 24	20	452	0.6	6.1
0412_03	20 ppm	Day : 4	24	886	0.6	6.3
0412_03	20 ppm	Day : 24	24	236	0.7	6.8
0413_03	20 ppm	Day : 4	29	280	0.7	7
0413_03	20 ppm	Day : 24	22	908	0.7	6.3
0414_03	20 ppm	Day : 4	27	367	0.7	6.4
0414_03	20 ppm	Day : 24	22	323	0.7	6.4
0415_03	20 ppm	Day : 4	24	863	0.7	6.7
0415_03	20 ppm	Day : 24	22	407	0.6	6.4
0416_03	20 ppm	Day : 4	24	571	0.6	6.3

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0416_03	20 ppm	Day : 24	21	453	0.6	6.6
0417_03	20 ppm	Day : 4	25	586	0.7	6.2
0417_03	20 ppm	Day : 24	24	273	0.6	6.2
0418_03	20 ppm	Day : 4	24	506	0.7	6.5
0418_03	20 ppm	Day : 24	22	376	0.6	6.6
0419_03	20 ppm	Day : 4	27	453	0.7	6.5
0419_03	20 ppm	Day : 24	24	361	0.6	6.9
0420_03	20 ppm	Day : 4	29	289	0.7	6.4
0420_03	20 ppm	Day : 24	23	295	0.7	6.5
0501_03	40 ppm	Week : 13	16	91	0.6	6.9
0502_03	40 ppm	Week : 13	17	188	0.6	7
0503_03	40 ppm	Week : 13	17	296	0.6	6.8
0504_03	40 ppm	Week : 13	20	123	0.7	7
0505_03	40 ppm	Week : 13	18	75	0.6	6.9
0506_03	40 ppm	Week : 13	17	183	0.6	7
0507_03	40 ppm	Week : 13	17	89	0.6	6.7
0508_03	40 ppm	Week : 13	20	150	0.7	6.8
0509_03	40 ppm	Week : 13	18	159	0.9	6.8
0510_03	40 ppm	Week : 13	21	118	0.6	6.3
0511_03	40 ppm	Day : 4	28	900	0.7	6.4
0511_03	40 ppm	Day : 24	21	368	0.7	6.4
0512_03	40 ppm	Day : 4	27	435	0.7	6.9



Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0512_03	40 ppm	Day : 24	18	238	0.6	6.5
0513_03	40 ppm	Day : 4	27	656	0.7	6.2
0513_03	40 ppm	Day : 24	19	369	0.6	6.4
0514_03	40 ppm	Day : 4	25	702	0.6	6.1
0514_03	40 ppm	Day : 24	18	399	0.6	6.4
0515_03	40 ppm	Day : 4	28	524	0.7	6.5
0515_03	40 ppm	Day : 24	19	401	0.6	6.6
0516_03	40 ppm	Day : 4	27	606	0.7	6.6
0516_03	40 ppm	Day : 24	24	298	0.6	6.3
0517_03	40 ppm	Day : 4	21	588	0.6	6.4
0517_03	40 ppm	Day : 24	19	605	0.6	6.1
0518_03	40 ppm	Day : 4	24	735	0.7	6.2
0518_03	40 ppm	Day : 24	20	389	0.6	6.3
0519_03	40 ppm	Day : 4	24	589	0.7	6.1
0519_03	40 ppm	Day : 24	18	731	0.6	6
0520_03	40 ppm	Day : 4	25	297	0.7	5.8
0520_03	40 ppm	Day : 24	20	322	0.7	6
0601_03	80 ppm	Week : 13	15	146	0.6	6.9
0602_03	80 ppm	Week : 13	16	147	0.6	6.9
0603_03	80 ppm	Week : 13	16	214	0.7	7
0604_03	80 ppm	Week : 13	17	82	0.6	7
0605_03	80 ppm	Week : 13	16	81	0.6	7.1

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0606_03	80 ppm	Week : 13	18	97	0.6	7
0607_03	80 ppm	Week : 13	16	131	0.6	6.9
0608_03	80 ppm	Week : 13	15	89	0.6	7.2
0609_03	80 ppm	Week : 13	16	163	0.6	6.9
0610_03	80 ppm	Week : 13	17	79	0.6	7
0611_03	80 ppm	Day : 4	22	1203	0.6	6.3
0611_03	80 ppm	Day : 24	21	283	0.6	6.6
0612_03	80 ppm	Day : 4	20	1164	0.6	6.4
0612_03	80 ppm	Day : 24	19	461	0.6	6.5
0613_03	80 ppm	Day : 4	26	544	0.7	6.4
0613_03	80 ppm	Day : 24	20	332	0.6	7
0614_03	80 ppm	Day : 4	21	855	0.6	5.9
0614_03	80 ppm	Day : 24	16	309	0.6	6.3
0615_03	80 ppm	Day : 4	26	961	0.7	6.2
0615_03	80 ppm	Day : 24	21	363	0.7	6.3
0616_03	80 ppm	Day : 4	22	1047	0.7	6.2
0616_03	80 ppm	Day : 24	21	332	0.7	6.7
0617_03	80 ppm	Day : 4	20	825	0.6	5.9
0617_03	80 ppm	Day : 24	20	268	0.6	6.4
0618_03	80 ppm	Day : 4	19	505	0.6	6
0618_03	80 ppm	Day : 24	17	481	0.6	6.7
0619_03	80 ppm	Day : 4	22	890	0.7	6.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0619_03	80 ppm	Day : 24	19	468	0.6	6.4
0620_03	80 ppm	Day : 4	24	381	0.7	6
0620_03	80 ppm	Day : 24	19	473	0.6	6.7

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0101_03	0 ppm	Week : 13	22.1
0102_03	0 ppm	Week : 13	65.6
0103_03	0 ppm	Week : 13	15.3
0104_03	0 ppm	Week : 13	31.3
0105_03	0 ppm	Week : 13	21.5
0106_03	0 ppm	Week : 13	21.5
0107_03	0 ppm	Week : 13	33.1
0108_03	0 ppm	Week : 13	30
0109_03	0 ppm	Week : 13	55.2
0110_03	0 ppm	Week : 13	17.2
0111_03	0 ppm	Day : 4	21.5
0111_03	0 ppm	Day : 24	23.3
0112_03	0 ppm	Day : 4	17.2
0112_03	0 ppm	Day : 24	23.3
0113_03	0 ppm	Day : 4	20.2
0113_03	0 ppm	Day : 24	20.2
0114_03	0 ppm	Day : 4	20.2
0114_03	0 ppm	Day : 24	17.2
0115_03	0 ppm	Day : 4	14.7
0115_03	0 ppm	Day : 24	17.8
0116_03	0 ppm	Day : 4	20.8
0116_03	0 ppm	Day : 24	36.2

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0117_03	0 ppm	Day : 4	23.9
0117_03	0 ppm	Day : 24	25.8
0118_03	0 ppm	Day : 4	20.8
0118_03	0 ppm	Day : 24	19.6
0119_03	0 ppm	Day : 4	19.6
0119_03	0 ppm	Day : 24	23.9
0120_03	0 ppm	Day : 4	20.2
0120_03	0 ppm	Day : 24	26.4
0201_03	5 ppm	Week : 13	15.3
0202_03	5 ppm	Week : 13	17.8
0203_03	5 ppm	Week : 13	19
0204_03	5 ppm	Week : 13	126.9*
0205_03	5 ppm	Week : 13	25.8
0206_03	5 ppm	Week : 13	65.6
0207_03	5 ppm	Week : 13	12.3
0208_03	5 ppm	Week : 13	54.6
0209_03	5 ppm	Week : 13	41.1
0210_03	5 ppm	Week : 13	30
0211_03	5 ppm	Day : 4	19
0211_03	5 ppm	Day : 24	44.2
0212_03	5 ppm	Day : 4	30.7
0212_03	5 ppm	Day : 24	22.1

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0213_03	5 ppm	Day : 4	27
0213_03	5 ppm	Day : 24	22.7
0214_03	5 ppm	Day : 4	17.2
0214_03	5 ppm	Day : 24	19
0215_03	5 ppm	Day : 4	17.8
0215_03	5 ppm	Day : 24	17.2
0216_03	5 ppm	Day : 4	25.8
0216_03	5 ppm	Day : 24	22.1
0217_03	5 ppm	Day : 4	28.2
0217_03	5 ppm	Day : 24	19
0218_03	5 ppm	Day : 4	29.4
0218_03	5 ppm	Day : 24	20.6
0219_03	5 ppm	Day : 4	30.7
0219_03	5 ppm	Day : 24	23.3
0220_03	5 ppm	Day : 4	19
0220_03	5 ppm	Day : 24	19.6
0301_03	10 ppm	Week : 13	15.9
0302_03	10 ppm	Week : 13	92
0303_03	10 ppm	Week : 13	90.8
0304_03	10 ppm	Week : 13	46
0305_03	10 ppm	Week : 13	13.5
0306_03	10 ppm	Week : 13	18.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0307_03	10 ppm	Week : 13	60.1
0308_03	10 ppm	Week : 13	31.9
0309_03	10 ppm	Week : 13	49.7
0311_03	10 ppm	Day : 4	27
0311_03	10 ppm	Day : 24	24.5
0312_03	10 ppm	Day : 4	21.5
0312_03	10 ppm	Day : 24	17.2
0313_03	10 ppm	Day : 4	23.3
0313_03	10 ppm	Day : 24	22.7
0314_03	10 ppm	Day : 4	19.6
0314_03	10 ppm	Day : 24	19.6
0315_03	10 ppm	Day : 4	20.2
0315_03	10 ppm	Day : 24	22.7
0316_03	10 ppm	Day : 4	18.4
0316_03	10 ppm	Day : 24	27.6
0317_03	10 ppm	Day : 4	20.8
0317_03	10 ppm	Day : 24	27.6
0318_03	10 ppm	Day : 4	19
0318_03	10 ppm	Day : 24	25.8
0319_03	10 ppm	Day : 4	20.2
0319_03	10 ppm	Day : 24	15.9
0320_03	10 ppm	Day : 4	17.2

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0320_03	10 ppm	Day : 24	27
0401_03	20 ppm	Week : 13	55.8
0402_03	20 ppm	Week : 13	35
0403_03	20 ppm	Week : 13	34.3
0404_03	20 ppm	Week : 13	18.4
0405_03	20 ppm	Week : 13	27.6
0406_03	20 ppm	Week : 13	27.6
0407_03	20 ppm	Week : 13	23.3
0408_03	20 ppm	Week : 13	19
0409_03	20 ppm	Week : 13	32.5
0410_03	20 ppm	Week : 13	17.8
0411_03	20 ppm	Day : 4	28.8
0411_03	20 ppm	Day : 24	19
0412_03	20 ppm	Day : 4	17.2
0412_03	20 ppm	Day : 24	25.8
0413_03	20 ppm	Day : 4	27.6
0413_03	20 ppm	Day : 24	13.5
0414_03	20 ppm	Day : 4	29.4
0414_03	20 ppm	Day : 24	23.9
0415_03	20 ppm	Day : 4	20.8
0415_03	20 ppm	Day : 24	31.3
0416_03	20 ppm	Day : 4	21.5



Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0416_03	20 ppm	Day : 24	17.2
0417_03	20 ppm	Day : 4	20.8
0417_03	20 ppm	Day : 24	20.2
0418_03	20 ppm	Day : 4	25.8
0418_03	20 ppm	Day : 24	17.8
0419_03	20 ppm	Day : 4	23.3
0419_03	20 ppm	Day : 24	19
0420_03	20 ppm	Day : 4	31.9
0420_03	20 ppm	Day : 24	22.7
0501_03	40 ppm	Week : 13	49.7
0502_03	40 ppm	Week : 13	36.8
0503_03	40 ppm	Week : 13	23.9
0504_03	40 ppm	Week : 13	54
0505_03	40 ppm	Week : 13	52.1
0506_03	40 ppm	Week : 13	29.4
0507_03	40 ppm	Week : 13	17.8
0508_03	40 ppm	Week : 13	33.1
0509_03	40 ppm	Week : 13	26.4
0510_03	40 ppm	Week : 13	23.3
0511_03	40 ppm	Day : 4	21.5
0511_03	40 ppm	Day : 24	21.5
0512_03	40 ppm	Day : 4	29.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0512_03	40 ppm	Day : 24	19.6
0513_03	40 ppm	Day : 4	20.2
0513_03	40 ppm	Day : 24	20.8
0514_03	40 ppm	Day : 4	16.6
0514_03	40 ppm	Day : 24	17.2
0515_03	40 ppm	Day : 4	31.9
0515_03	40 ppm	Day : 24	21.5
0516_03	40 ppm	Day : 4	21.5
0516_03	40 ppm	Day : 24	20.2
0517_03	40 ppm	Day : 4	17.8
0517_03	40 ppm	Day : 24	15.9
0518_03	40 ppm	Day : 4	23.3
0518_03	40 ppm	Day : 24	19.6
0519_03	40 ppm	Day : 4	21.5
0519_03	40 ppm	Day : 24	23.3
0520_03	40 ppm	Day : 4	26.4
0520_03	40 ppm	Day : 24	31.3
0601_03	80 ppm	Week : 13	20.8
0602_03	80 ppm	Week : 13	40.5
0603_03	80 ppm	Week : 13	16.6
0604_03	80 ppm	Week : 13	52.7
0605_03	80 ppm	Week : 13	20.2

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0606_03	80 ppm	Week : 13	72.4
0607_03	80 ppm	Week : 13	16.6
0608_03	80 ppm	Week : 13	19
0609_03	80 ppm	Week : 13	46.6
0610_03	80 ppm	Week : 13	21.5
0611_03	80 ppm	Day : 4	16.6
0611_03	80 ppm	Day : 24	22.1
0612_03	80 ppm	Day : 4	21.5
0612_03	80 ppm	Day : 24	33.7
0613_03	80 ppm	Day : 4	25.1
0613_03	80 ppm	Day : 24	23.9
0614_03	80 ppm	Day : 4	17.8
0614_03	80 ppm	Day : 24	16.6
0615_03	80 ppm	Day : 4	19.6
0615_03	80 ppm	Day : 24	23.9
0616_03	80 ppm	Day : 4	14.7
0616_03	80 ppm	Day : 24	22.1
0617_03	80 ppm	Day : 4	14.1
0617_03	80 ppm	Day : 24	19
0618_03	80 ppm	Day : 4	22.7
0618_03	80 ppm	Day : 24	19.6
0619_03	80 ppm	Day : 4	20.2

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

**P42: Clinical Chemistry Data**

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:06

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
0619_03	80 ppm	Day : 24	22.7
0620_03	80 ppm	Day : 4	23.3
0620_03	80 ppm	Day : 24	20.8

## 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
0131_03	0 ppm	Week : 13	5	438	35	31.7
0132_03	0 ppm	Week : 13	5	431	39	35.3
0133_03	0 ppm	Week : 13	4.6	616	56	8.1
0134_03	0 ppm	Week : 13	4.6	418	34	37.6
0135_03	0 ppm	Week : 13	5.1	476	57	23.1
0136_03	0 ppm	Week : 13	4.9	435	59	22.5
0137_03	0 ppm	Week : 13	4.7	466	33	17.1
0138_03	0 ppm	Week : 13	4.8	424	57	24.3
0139_03	0 ppm	Week : 13	4.5	407	37	37.1
0140_03	0 ppm	Week : 13	4.8	489	68	18.9
0141_03	0 ppm	Day : 4	4.3	1022	29	5.3
0141_03	0 ppm	Day : 24	4.5	819	24	4.4
0142_03	0 ppm	Day : 4	4.6	967	39	5.9
0142_03	0 ppm	Day : 24	4.8	792	32	4.1
0143_03	0 ppm	Day : 4	4.6	1244	39	7.2
0143_03	0 ppm	Day : 24	4.5	938	31	4.8
0144_03	0 ppm	Day : 4	4.8	1156	31	11.1
0144_03	0 ppm	Day : 24	5.1	946	27	9.7
0145_03	0 ppm	Day : 4	4.5	1299	32	7.1
0145_03	0 ppm	Day : 24	4.7	922	32	5.2
0146_03	0 ppm	Day : 4	4.6	1147	34	10.1
0146_03	0 ppm	Day : 24	4.9	963	30	2.6

## 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
0147_03	0 ppm	Day : 4	4.5	1133	37	9.8
0147_03	0 ppm	Day : 24	4.9	952	33	6.4
0148_03	0 ppm	Day : 4	4.7	1105	35	8.6
0148_03	0 ppm	Day : 24	4.6	874	31	5.8
0149_03	0 ppm	Day : 4	4.6	1159	46	10.4
0149_03	0 ppm	Day : 24	4.8	915	32	10.4
0150_03	0 ppm	Day : 4	4.6	1333	34	5.4
0150_03	0 ppm	Day : 24	4.6	936	31	3.6
0231_03	5 ppm	Week : 13	4.9	476	39	19.5
0232_03	5 ppm	Week : 13	4.7	456	38	13.4
0233_03	5 ppm	Week : 13	5	501	57	15.5
0234_03	5 ppm	Week : 13	4.5	443	39	40.7
0235_03	5 ppm	Week : 13	4.7	545	44	31.7
0236_03	5 ppm	Week : 13	5.3	381	64	49.1
0237_03	5 ppm	Week : 13	5.1	407	52	42.1
0238_03	5 ppm	Week : 13	4	383	34	11.4
0239_03	5 ppm	Week : 13	4.9	467	51	22.1
0240_03	5 ppm	Week : 13	4.6	429	65	15.9
0241_03	5 ppm	Day : 4	4.4	920	31	7.8
0241_03	5 ppm	Day : 24	4.9	735	32	11.8
0242_03	5 ppm	Day : 4	4.7	1072	35	7.1
0242_03	5 ppm	Day : 24	4.9	873	30	3.8

## 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
0242_03	5 ppm	Day : 24	4.9	873	30	3.8
0243_03	5 ppm	Day : 4	4.6	1024	33	4.2
0243_03	5 ppm	Day : 24	5	820	30	6.7
0244_03	5 ppm	Day : 4	4.5	1051	29	8.7
0244_03	5 ppm	Day : 24	4.8	792	29	14.8
0245_03	5 ppm	Day : 4	4.5	1288	41	10.1
0245_03	5 ppm	Day : 24	4.6	897	34	4.5
0246_03	5 ppm	Day : 4	4.6	1057	37	9.2
0246_03	5 ppm	Day : 24	4.8	791	24	7.3
0247_03	5 ppm	Day : 4	4.7	1342	35	6.88
0247_03	5 ppm	Day : 24	4.7	916	30	7.2
0248_03	5 ppm	Day : 4	4.6	1085	35	9
0248_03	5 ppm	Day : 24	4.9	895	32	6
0249_03	5 ppm	Day : 4	4.5	1129	29	9.9
0249_03	5 ppm	Day : 24	4.8	936	29	11
0250_03	5 ppm	Day : 4	4.4	990	32	8.1
0250_03	5 ppm	Day : 24	4.5	741	29	10.4
0331_03	10 ppm	Week : 13	4.6	425	44	43.9
0332_03	10 ppm	Week : 13	4.8	439	45	30.7
0333_03	10 ppm	Week : 13	5.4	417	99	27.7
0334_03	10 ppm	Week : 13	4.8	464	37	12.8
0335_03	10 ppm	Week : 13	4.4	430	64	5.9

## 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
0336_03	10 ppm	Week : 13	4.8	469	48	39.4
0337_03	10 ppm	Week : 13	5.1	438	47	25.4
0338_03	10 ppm	Week : 13	4.8	465	73	16.4
0339_03	10 ppm	Week : 13	4.8	547	69	17.1
0340_03	10 ppm	Week : 13	4.9	474	49	26.7
0341_03	10 ppm	Day : 4	4.7	1056	37	9.9
0341_03	10 ppm	Day : 24	4.5	862	33	7
0342_03	10 ppm	Day : 4	4.4	1099	34	8
0342_03	10 ppm	Day : 24	4.8	782	32	8.7
0343_03	10 ppm	Day : 4	4.5	1120	31	7.7
0343_03	10 ppm	Day : 24	4.8	892	34	10.7
0344_03	10 ppm	Day : 4	4.3	1093	33	7.5
0344_03	10 ppm	Day : 24	5	825	30	5.1
0345_03	10 ppm	Day : 4	4.6	1121	36	10.8
0345_03	10 ppm	Day : 24	4.9	698	27	9.4
0346_03	10 ppm	Day : 4	4.7	1036	44	12.6
0346_03	10 ppm	Day : 24	4.7	814	27	3.6
0347_03	10 ppm	Day : 4	4.4	1086	33	15.2
0347_03	10 ppm	Day : 24	4.6	774	31	9.8
0348_03	10 ppm	Day : 4	4.6	1078	38	4.8
0348_03	10 ppm	Day : 24	4.6	792	31	2.6
0349_03	10 ppm	Day : 4	4.6	1071	28	6.2



## 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
0349_03	10 ppm	Day : 4	4.6	1071	28	6.2
0349_03	10 ppm	Day : 24	4.8	776	30	2.3
0350_03	10 ppm	Day : 4	4.5	1038	33	8
0350_03	10 ppm	Day : 24	4.7	856	31	34.2*
0431_03	20 ppm	Week : 13	4.7	424	39	49.4
0432_03	20 ppm	Week : 13	5	466	51	25.2
0433_03	20 ppm	Week : 13	4.7	437	42	44
0434_03	20 ppm	Week : 13	4.6	432	31	24.3
0435_03	20 ppm	Week : 13	4.8	396	37	27.4
0436_03	20 ppm	Week : 13	5.3	428	71	43.1
0437_03	20 ppm	Week : 13	5	390	53	44.3
0438_03	20 ppm	Week : 13	4.7	386	41	33.8
0439_03	20 ppm	Week : 13	4.9	440	52	18.5
0440_03	20 ppm	Week : 13	4.9	389	41	35.3
0441_03	20 ppm	Day : 4	4.8	1106	34	9
0441_03	20 ppm	Day : 24	4.8	829	33	6.3
0442_03	20 ppm	Day : 4	4.5	936	44	7.5
0442_03	20 ppm	Day : 24	4.7	736	29	7
0443_03	20 ppm	Day : 4	4.6	903	32	11.7
0443_03	20 ppm	Day : 24	4.9	671	31	5.8
0444_03	20 ppm	Day : 4	4.6	994	35	4.7
0444_03	20 ppm	Day : 24	4.7	795	30	10.1

## 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
0445_03	20 ppm	Day : 4	4.7	1018	39	6.6
0445_03	20 ppm	Day : 24	4.9	880	38	8.6
0446_03	20 ppm	Day : 4	4.4	827	35	19.1
0446_03	20 ppm	Day : 24	4.4	664	34	21
0447_03	20 ppm	Day : 4	4.6	994	30	8.1
0447_03	20 ppm	Day : 24	4.6	772	31	8.1
0448_03	20 ppm	Day : 4	4.4	1039	41	10.4
0448_03	20 ppm	Day : 24	4.7	812	29	1.8
0449_03	20 ppm	Day : 4	4.6	1042	27	6
0449_03	20 ppm	Day : 24	4.7	811	29	4.8
0450_03	20 ppm	Day : 4	4.6	858	35	7.2
0450_03	20 ppm	Day : 24	4.8	782	31	12.8
0531_03	40 ppm	Week : 13	4.6	555	125	29
0532_03	40 ppm	Week : 13	4.8	389	129	23.9
0533_03	40 ppm	Week : 13	4.6	409	67	17
0534_03	40 ppm	Week : 13	5	533	382	42.7
0535_03	40 ppm	Week : 13	4.7	388	60	34.4
0536_03	40 ppm	Week : 13	4.6	597	68	51.7
0537_03	40 ppm	Week : 13	4.9	483	84	47.6
0538_03	40 ppm	Week : 13	4.7	596	145	48.2
0539_03	40 ppm	Week : 13	4.9	444	325	49.3
0540_03	40 ppm	Week : 13	4.8	462	45	29.6

## 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
0540_03	40 ppm	Week : 13	4.8	462	45	29.6
0541_03	40 ppm	Day : 4	4.5	949	38	4.2
0541_03	40 ppm	Day : 24	4.7	886	45	10.4
0542_03	40 ppm	Day : 4	4.7	921	39	9.8
0542_03	40 ppm	Day : 24	5.1	894	33	10.3
0543_03	40 ppm	Day : 4	4.7	894	36	8.6
0543_03	40 ppm	Day : 24	4.8	739	38	5.4
0544_03	40 ppm	Day : 4	4.5	833	32	7.2
0544_03	40 ppm	Day : 24	4.8	685	30	26.8
0545_03	40 ppm	Day : 4	4.6	928	39	10.2
0545_03	40 ppm	Day : 24	4.5	716	37	27.7
0546_03	40 ppm	Day : 4	4.6	1004	32	7.8
0546_03	40 ppm	Day : 24	4.7	857	37	7
0547_03	40 ppm	Day : 4	4.5	831	35	10.6
0547_03	40 ppm	Day : 24	4.7	759	30	17.9
0548_03	40 ppm	Day : 4	4.5	947	35	19.8
0548_03	40 ppm	Day : 24	4.5	753	35	25.9
0549_03	40 ppm	Day : 4	4.2	1004	52	9
0549_03	40 ppm	Day : 24	4.5	846	27	2.3
0550_03	40 ppm	Day : 4	4.5	944	36	9.2
0550_03	40 ppm	Day : 24	4.5	794	29	6.7
0631_03	80 ppm	Week : 13	4.5	674	337	157.5

## 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
0632_03	80 ppm	Week : 13	5	504	57	15.6
0633_03	80 ppm	Week : 13	4.5	785	140	150.6
0634_03	80 ppm	Week : 13	4.5	781	189	138.6
0635_03	80 ppm	Week : 13	4.6	832	371	127.2
0636_03	80 ppm	Week : 13	4.4	817	146	259.2
0637_03	80 ppm	Week : 13	4.6	826	233	260.4
0638_03	80 ppm	Week : 13	4.6	748	261	202.3
0639_03	80 ppm	Week : 13	4.3	665	119	113.9
0640_03	80 ppm	Week : 13	4.6	750	371	154.7
0641_03	80 ppm	Day : 4	4.6	845	37	9.5
0641_03	80 ppm	Day : 24	4.7	745	45	8.5
0642_03	80 ppm	Day : 4	4.8	944	36	10.1
0642_03	80 ppm	Day : 24	4.9	756	44	7.3
0643_03	80 ppm	Day : 4	4.7	798	60	14.3
0643_03	80 ppm	Day : 24	4.9	683	44	40.3
0644_03	80 ppm	Day : 4	4.6	844	35	15.2
0644_03	80 ppm	Day : 24	5.2	778	53	37.6
0645_03	80 ppm	Day : 4	4.7	1023	43	12.9
0645_03	80 ppm	Day : 24	4.8	856	44	13.7
0646_03	80 ppm	Day : 4	4.6	878	40	8.1
0646_03	80 ppm	Day : 24	4.8	777	52	12.4
0647_03	80 ppm	Day : 4	4.8	823	40	11.6

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:07

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
0647_03	80 ppm	Day : 4	4.8	823	40	11.6
0647_03	80 ppm	Day : 24	5	768	52	6.6
0648_03	80 ppm	Day : 4	4.6	840	38	6.6
0648_03	80 ppm	Day : 24	4.7	734	38	6.6
0649_03	80 ppm	Day : 4	4.5	763	35	16.8
0649_03	80 ppm	Day : 24	4.4	675	28	27.4
0650_03	80 ppm	Day : 4	4.6	867	36	10.1
0650_03	80 ppm	Day : 24	4.9	763	40	7.6

Experiment Number: 05216-03

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 00:37:07

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
0131_03	0 ppm	Week : 13	23	148	0.7	7
0132_03	0 ppm	Week : 13	22	216	0.6	7.1
0133_03	0 ppm	Week : 13	24	255	0.7	6.6
0134_03	0 ppm	Week : 13	22	164	0.7	6.6
0135_03	0 ppm	Week : 13	21	477	0.6	7.2
0136_03	0 ppm	Week : 13	21	180	0.6	7.1
0137_03	0 ppm	Week : 13	20	120	0.7	6.6
0138_03	0 ppm	Week : 13	21	282	0.6	6.9
0139_03	0 ppm	Week : 13	20	97	0.6	6.5
0140_03	0 ppm	Week : 13	24	235	0.7	6.6
0141_03	0 ppm	Day : 4	28	182	0.7	5.8
0141_03	0 ppm	Day : 24	23	257	0.7	6.2
0142_03	0 ppm	Day : 4	26	3205*	0.7	6.2
0142_03	0 ppm	Day : 24	26	319	0.7	6.4
0143_03	0 ppm	Day : 4	33	519	0.7	6.2
0143_03	0 ppm	Day : 24	29	290	0.7	5.9
0144_03	0 ppm	Day : 4	29	519	0.7	6.5
0144_03	0 ppm	Day : 24	27	237	0.8	6.9
0145_03	0 ppm	Day : 4	31	258	0.6	6
0145_03	0 ppm	Day : 24	26	372	0.8	6.4
0146_03	0 ppm	Day : 4	27	455	0.6	6.2
0146_03	0 ppm	Day : 24	24	198	0.7	6.6

Experiment Number: 05216-03

P42: Clinical Chemistry Data

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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
0147_03	0 ppm	Day : 4	33	572	0.8	6
0147_03	0 ppm	Day : 24	28	158	0.8	6.6
0148_03	0 ppm	Day : 4	32	251	0.7	6.2
0148_03	0 ppm	Day : 24	24	395	0.8	6.3
0149_03	0 ppm	Day : 4	33	495	0.7	6.3
0149_03	0 ppm	Day : 24	27	311	0.8	6.5
0150_03	0 ppm	Day : 4	30	328	0.7	6.3
0150_03	0 ppm	Day : 24	25	261	0.7	6.2
0231_03	5 ppm	Week : 13	19	203	0.6	7.2
0232_03	5 ppm	Week : 13	21	182	0.6	6.6
0233_03	5 ppm	Week : 13	26	131	0.8	7.1
0234_03	5 ppm	Week : 13	18	416	0.6	6.4
0235_03	5 ppm	Week : 13	24	277	0.7	6.7
0236_03	5 ppm	Week : 13	16	541	0.6	7.3
0237_03	5 ppm	Week : 13	19	94	0.6	7.6
0238_03	5 ppm	Week : 13	20	222	0.7	5.9
0239_03	5 ppm	Week : 13	21	148	0.7	6.9
0240_03	5 ppm	Week : 13	20	343	0.6	6.4
0241_03	5 ppm	Day : 4	28	693	0.6	6.1
0241_03	5 ppm	Day : 24	25	354	0.7	6.6
0242_03	5 ppm	Day : 4	32	233	0.6	6.2
0242_03	5 ppm	Day : 24	27	302	0.8	6.5

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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
0243_03	5 ppm	Day : 4	30	608	0.7	6.1
0243_03	5 ppm	Day : 24	33	211	0.7	6.8
0244_03	5 ppm	Day : 4	29	308	0.7	6.1
0244_03	5 ppm	Day : 24	27	291	0.7	6.5
0245_03	5 ppm	Day : 4	31	555	0.7	6
0245_03	5 ppm	Day : 24	28	170	0.8	6.2
0246_03	5 ppm	Day : 4	27	208	0.6	6.1
0246_03	5 ppm	Day : 24	23	591	0.7	6.5
0247_03	5 ppm	Day : 4	28	654	0.7	6.3
0247_03	5 ppm	Day : 24	22	248	0.6	6.4
0248_03	5 ppm	Day : 4	29	542	0.7	6.2
0248_03	5 ppm	Day : 24	27	323	0.7	6.6
0249_03	5 ppm	Day : 4	25	365	0.7	6.1
0249_03	5 ppm	Day : 24	26	249	0.8	6.3
0250_03	5 ppm	Day : 4	29	558	0.7	6
0250_03	5 ppm	Day : 24	27	342	0.7	6
0331_03	10 ppm	Week : 13	21	102	0.6	6.5
0332_03	10 ppm	Week : 13	22	725	0.6	6.7
0333_03	10 ppm	Week : 13	20	553	0.7	7.6
0334_03	10 ppm	Week : 13	21	291	0.7	6.7
0335_03	10 ppm	Week : 13	22	128	0.6	6.1
0336_03	10 ppm	Week : 13	21	169	0.6	6.7



Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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Time Report Requested: 00:37:07

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
0337_03	10 ppm	Week : 13	20	168	0.6	7.1
0338_03	10 ppm	Week : 13	23	134	0.7	6.7
0339_03	10 ppm	Week : 13	26	364	0.6	6.7
0340_03	10 ppm	Week : 13	20	281	0.6	6.8
0341_03	10 ppm	Day : 4	34	345	0.7	6.3
0341_03	10 ppm	Day : 24	28	306	0.7	6.1
0342_03	10 ppm	Day : 4	31	248	0.6	5.9
0342_03	10 ppm	Day : 24	25	177	0.7	6.4
0343_03	10 ppm	Day : 4	31	203	0.6	6
0343_03	10 ppm	Day : 24	27	279	0.8	6.5
0344_03	10 ppm	Day : 4	32	236	0.7	5.6
0344_03	10 ppm	Day : 24	30	173	0.7	7
0345_03	10 ppm	Day : 4	30	416	0.7	6.2
0345_03	10 ppm	Day : 24	25	319	0.7	6.7
0346_03	10 ppm	Day : 4	29	322	0.7	6.2
0346_03	10 ppm	Day : 24	24	201	0.7	6.2
0347_03	10 ppm	Day : 4	30	589	0.8	6
0347_03	10 ppm	Day : 24	28	519	0.6	6.2
0348_03	10 ppm	Day : 4	33	1686*	0.7	6.4
0348_03	10 ppm	Day : 24	29	231	0.7	6.2
0349_03	10 ppm	Day : 4	27	225	0.7	6.3
0349_03	10 ppm	Day : 24	28	303	0.7	6.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:07

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
0350_03	10 ppm	Day : 4	32	175	0.7	6
0350_03	10 ppm	Day : 24	33	434	0.8	6.3
0431_03	20 ppm	Week : 13	21	160	0.6	6.5
0432_03	20 ppm	Week : 13	24	233	0.7	6.9
0433_03	20 ppm	Week : 13	19	125	0.6	6.6
0434_03	20 ppm	Week : 13	21	173	0.6	6.4
0435_03	20 ppm	Week : 13	20	142	0.6	6.8
0436_03	20 ppm	Week : 13	26	147	0.7	7.7
0437_03	20 ppm	Week : 13	17	135	0.6	7.2
0438_03	20 ppm	Week : 13	17	127	0.6	6.5
0439_03	20 ppm	Week : 13	20	427	0.6	6.8
0440_03	20 ppm	Week : 13	17	181	0.6	6.9
0441_03	20 ppm	Day : 4	24	791	0.8	6.5
0441_03	20 ppm	Day : 24	24	609	0.6	6.5
0442_03	20 ppm	Day : 4				5.9
0442_03	20 ppm	Day : 24	23	245	0.6	6.4
0443_03	20 ppm	Day : 4	29	142	0.7	6.3
0443_03	20 ppm	Day : 24	23	274	0.7	6.7
0444_03	20 ppm	Day : 4	28	338	0.7	6.2
0444_03	20 ppm	Day : 24	28	257	0.7	6.3
0445_03	20 ppm	Day : 4	27	281	0.7	6.4
0445_03	20 ppm	Day : 24	26	320	0.6	6.5

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

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Time Report Requested: 00:37:07

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
0446_03	20 ppm	Day : 4	24	239	0.6	6
0446_03	20 ppm	Day : 24	23	517	0.6	6
0447_03	20 ppm	Day : 4	25	218	0.7	6.2
0447_03	20 ppm	Day : 24	28	217	0.8	6.1
0448_03	20 ppm	Day : 4	26	417	0.7	5.9
0448_03	20 ppm	Day : 24	29	285	0.7	6.3
0449_03	20 ppm	Day : 4	25	472	0.7	6.2
0449_03	20 ppm	Day : 24	23	241	0.7	6.4
0450_03	20 ppm	Day : 4	26	794	0.6	6.2
0450_03	20 ppm	Day : 24	25	205	0.7	6.5
0531_03	40 ppm	Week : 13	20	353	0.6	6.6
0532_03	40 ppm	Week : 13	19	186	0.6	6.6
0533_03	40 ppm	Week : 13	21	122	0.6	6.5
0534_03	40 ppm	Week : 13	21	231	0.7	7.1
0535_03	40 ppm	Week : 13	18	112	0.5	6.7
0536_03	40 ppm	Week : 13	15	307	0.5	6.4
0537_03	40 ppm	Week : 13	17	421	0.7	7.2
0538_03	40 ppm	Week : 13	22	305	0.7	6.9
0539_03	40 ppm	Week : 13	19	217	0.6	7.3
0540_03	40 ppm	Week : 13	17	266	0.6	6.8
0541_03	40 ppm	Day : 4	19	729	0.5	6
0541_03	40 ppm	Day : 24	25	284	0.6	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
0542_03	40 ppm	Day : 4	24	404	0.6	6.2
0542_03	40 ppm	Day : 24	24	234	0.7	6.8
0543_03	40 ppm	Day : 4	21	260	0.6	6.2
0543_03	40 ppm	Day : 24	23	294	0.7	6.6
0544_03	40 ppm	Day : 4	22	306	0.6	6
0544_03	40 ppm	Day : 24	19	162	0.7	6.4
0545_03	40 ppm	Day : 4	21	861	0.6	6.1
0545_03	40 ppm	Day : 24	22	186	0.7	6.1
0546_03	40 ppm	Day : 4	21	282	0.6	6.1
0546_03	40 ppm	Day : 24	22	348.9	0.7	6.3
0547_03	40 ppm	Day : 4	21	403	0.6	6
0547_03	40 ppm	Day : 24	23	275	0.7	6.3
0548_03	40 ppm	Day : 4	20	216	0.5	5.9
0548_03	40 ppm	Day : 24	23	340	0.6	6.1
0549_03	40 ppm	Day : 4	23	612	0.7	5.7
0549_03	40 ppm	Day : 24	24	266	0.7	6.1
0550_03	40 ppm	Day : 4	22	224	0.7	6.1
0550_03	40 ppm	Day : 24	23	183	0.7	6
0631_03	80 ppm	Week : 13	18	189	0.6	7.2
0632_03	80 ppm	Week : 13	26	129	0.8	7
0633_03	80 ppm	Week : 13	16	160	0.6	7.4
0634_03	80 ppm	Week : 13	17	191	0.6	7.6

## 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
0635_03	80 ppm	Week : 13	21	136	0.7	7.5
0636_03	80 ppm	Week : 13	17	347	0.6	7.5
0637_03	80 ppm	Week : 13	21	295	0.7	8.2
0638_03	80 ppm	Week : 13	19	153	0.6	7.6
0639_03	80 ppm	Week : 13	17	255	0.6	7
0640_03	80 ppm	Week : 13	20	133	0.7	7.7
0641_03	80 ppm	Day : 4	21	221	0.6	6.1
0641_03	80 ppm	Day : 24	19	645	0.6	6.3
0642_03	80 ppm	Day : 4	21	233	0.6	6.3
0642_03	80 ppm	Day : 24	21	199	0.7	6.5
0643_03	80 ppm	Day : 4	21	217	0.6	6.2
0643_03	80 ppm	Day : 24	19	186	0.6	6.9
0644_03	80 ppm	Day : 4	20	258	0.6	6.2
0644_03	80 ppm	Day : 24	20	195	0.7	6.9
0645_03	80 ppm	Day : 4	23	578	0.7	6.4
0645_03	80 ppm	Day : 24	23	271	0.7	6.4
0646_03	80 ppm	Day : 4	21	820	0.6	6.2
0646_03	80 ppm	Day : 24	23	344	0.7	6.4
0647_03	80 ppm	Day : 4	23	405	0.6	6.2
0647_03	80 ppm	Day : 24	18	186	0.6	6.6
0648_03	80 ppm	Day : 4	21	319	0.7	6.2
0648_03	80 ppm	Day : 24	23	222	0.7	6.2

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0649_03	80 ppm	Day : 4	21	403	0.6	5.8
0649_03	80 ppm	Day : 24	24	330	0.7	5.9
0650_03	80 ppm	Day : 4	21	369	0.6	6.1
0650_03	80 ppm	Day : 24	20	247	0.6	6.5

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0131_03	0 ppm	Week : 13	19
0132_03	0 ppm	Week : 13	15.3
0133_03	0 ppm	Week : 13	26.45
0134_03	0 ppm	Week : 13	11.7
0135_03	0 ppm	Week : 13	22.7
0136_03	0 ppm	Week : 13	20.2
0137_03	0 ppm	Week : 13	12.9
0138_03	0 ppm	Week : 13	17.2
0139_03	0 ppm	Week : 13	22.7
0140_03	0 ppm	Week : 13	29.4
0141_03	0 ppm	Day : 4	20.8
0141_03	0 ppm	Day : 24	24.5
0142_03	0 ppm	Day : 4	25.8
0142_03	0 ppm	Day : 24	31.3
0143_03	0 ppm	Day : 4	25.1
0143_03	0 ppm	Day : 24	27
0144_03	0 ppm	Day : 4	27
0144_03	0 ppm	Day : 24	28.2
0145_03	0 ppm	Day : 4	19
0145_03	0 ppm	Day : 24	33.1
0146_03	0 ppm	Day : 4	21.5
0146_03	0 ppm	Day : 24	33.1

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0147_03	0 ppm	Day : 4	28.2
0147_03	0 ppm	Day : 24	33.1
0148_03	0 ppm	Day : 4	23.9
0148_03	0 ppm	Day : 24	23.9
0149_03	0 ppm	Day : 4	26.4
0149_03	0 ppm	Day : 24	30.7
0150_03	0 ppm	Day : 4	23.9
0150_03	0 ppm	Day : 24	33.1
0231_03	5 ppm	Week : 13	15.3
0232_03	5 ppm	Week : 13	18.4
0233_03	5 ppm	Week : 13	31.9
0234_03	5 ppm	Week : 13	16.6
0235_03	5 ppm	Week : 13	20.2
0236_03	5 ppm	Week : 13	23.9
0237_03	5 ppm	Week : 13	19
0238_03	5 ppm	Week : 13	18.4
0239_03	5 ppm	Week : 13	17.8
0240_03	5 ppm	Week : 13	23.9
0241_03	5 ppm	Day : 4	24.5
0241_03	5 ppm	Day : 24	28.8
0242_03	5 ppm	Day : 4	28.2
0242_03	5 ppm	Day : 24	31.9



Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0243_03	5 ppm	Day : 4	25.1
0243_03	5 ppm	Day : 24	28.8
0244_03	5 ppm	Day : 4	20.2
0244_03	5 ppm	Day : 24	31.3
0245_03	5 ppm	Day : 4	27.6
0245_03	5 ppm	Day : 24	31.9
0246_03	5 ppm	Day : 4	22.7
0246_03	5 ppm	Day : 24	25.8
0247_03	5 ppm	Day : 4	23.3
0247_03	5 ppm	Day : 24	25.8
0248_03	5 ppm	Day : 4	26.4
0248_03	5 ppm	Day : 24	30.7
0249_03	5 ppm	Day : 4	26.4
0249_03	5 ppm	Day : 24	32.5
0250_03	5 ppm	Day : 4	20.8
0250_03	5 ppm	Day : 24	26.4
0331_03	10 ppm	Week : 13	19.6
0332_03	10 ppm	Week : 13	22.1
0333_03	10 ppm	Week : 13	44.2
0334_03	10 ppm	Week : 13	14.1
0335_03	10 ppm	Week : 13	23.9
0336_03	10 ppm	Week : 13	18.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0337_03	10 ppm	Week : 13	21.5
0338_03	10 ppm	Week : 13	39.9
0339_03	10 ppm	Week : 13	33.7
0340_03	10 ppm	Week : 13	23.3
0341_03	10 ppm	Day : 4	31.3
0341_03	10 ppm	Day : 24	27.6
0342_03	10 ppm	Day : 4	22.7
0342_03	10 ppm	Day : 24	24.5
0343_03	10 ppm	Day : 4	21.5
0343_03	10 ppm	Day : 24	30
0344_03	10 ppm	Day : 4	21.5
0344_03	10 ppm	Day : 24	24.5
0345_03	10 ppm	Day : 4	22.7
0345_03	10 ppm	Day : 24	25.1
0346_03	10 ppm	Day : 4	27
0346_03	10 ppm	Day : 24	25.8
0347_03	10 ppm	Day : 4	26.4
0347_03	10 ppm	Day : 24	27
0348_03	10 ppm	Day : 4	27
0348_03	10 ppm	Day : 24	28.2
0349_03	10 ppm	Day : 4	28.2
0349_03	10 ppm	Day : 24	29.4

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0350_03	10 ppm	Day : 4	18.4
0350_03	10 ppm	Day : 24	27.6
0431_03	20 ppm	Week : 13	18.4
0432_03	20 ppm	Week : 13	20.8
0433_03	20 ppm	Week : 13	18.4
0434_03	20 ppm	Week : 13	16.6
0435_03	20 ppm	Week : 13	15.3
0436_03	20 ppm	Week : 13	42.9
0437_03	20 ppm	Week : 13	20.2
0438_03	20 ppm	Week : 13	20.8
0439_03	20 ppm	Week : 13	26.4
0440_03	20 ppm	Week : 13	22.1
0441_03	20 ppm	Day : 4	34.3
0441_03	20 ppm	Day : 24	25.8
0442_03	20 ppm	Day : 4	27
0442_03	20 ppm	Day : 24	27
0443_03	20 ppm	Day : 4	19.6
0443_03	20 ppm	Day : 24	33.1
0444_03	20 ppm	Day : 4	28.8
0444_03	20 ppm	Day : 24	33.1
0445_03	20 ppm	Day : 4	27
0445_03	20 ppm	Day : 24	35

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0446_03	20 ppm	Day : 4	19.6
0446_03	20 ppm	Day : 24	28.8
0447_03	20 ppm	Day : 4	27
0447_03	20 ppm	Day : 24	28.8
0448_03	20 ppm	Day : 4	30
0448_03	20 ppm	Day : 24	28.8
0449_03	20 ppm	Day : 4	25.8
0449_03	20 ppm	Day : 24	33.7
0450_03	20 ppm	Day : 4	23.9
0450_03	20 ppm	Day : 24	27
0531_03	40 ppm	Week : 13	55.2
0532_03	40 ppm	Week : 13	47.8
0533_03	40 ppm	Week : 13	25.8
0534_03	40 ppm	Week : 13	154.6
0535_03	40 ppm	Week : 13	20.8
0536_03	40 ppm	Week : 13	28.28
0537_03	40 ppm	Week : 13	36.5
0538_03	40 ppm	Week : 13	57
0539_03	40 ppm	Week : 13	131.2
0540_03	40 ppm	Week : 13	22.1
0541_03	40 ppm	Day : 4	20.8
0541_03	40 ppm	Day : 24	27

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0542_03	40 ppm	Day : 4	27.6
0542_03	40 ppm	Day : 24	31.9
0543_03	40 ppm	Day : 4	22.7
0543_03	40 ppm	Day : 24	29.4
0544_03	40 ppm	Day : 4	24.5
0544_03	40 ppm	Day : 24	22.1
0545_03	40 ppm	Day : 4	26.4
0545_03	40 ppm	Day : 24	21.5
0546_03	40 ppm	Day : 4	20.8
0546_03	40 ppm	Day : 24	35.6
0547_03	40 ppm	Day : 4	25.1
0547_03	40 ppm	Day : 24	29.4
0548_03	40 ppm	Day : 4	19.6
0548_03	40 ppm	Day : 24	20.8
0549_03	40 ppm	Day : 4	22.1
0549_03	40 ppm	Day : 24	28.24
0550_03	40 ppm	Day : 4	22.7
0550_03	40 ppm	Day : 24	27.6
0631_03	80 ppm	Week : 13	92
0632_03	80 ppm	Week : 13	31.3
0633_03	80 ppm	Week : 13	37.4
0634_03	80 ppm	Week : 13	57.6

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0635_03	80 ppm	Week : 13	112.8
0636_03	80 ppm	Week : 13	41.1
0637_03	80 ppm	Week : 13	74.8
0638_03	80 ppm	Week : 13	72.4
0639_03	80 ppm	Week : 13	40.5
0640_03	80 ppm	Week : 13	85.8
0641_03	80 ppm	Day : 4	20.8
0641_03	80 ppm	Day : 24	27
0642_03	80 ppm	Day : 4	28.8
0642_03	80 ppm	Day : 24	34.3
0643_03	80 ppm	Day : 4	19.6
0643_03	80 ppm	Day : 24	28.8
0644_03	80 ppm	Day : 4	23.9
0644_03	80 ppm	Day : 24	35
0645_03	80 ppm	Day : 4	28.2
0645_03	80 ppm	Day : 24	33.1
0646_03	80 ppm	Day : 4	22.1
0646_03	80 ppm	Day : 24	35.6
0647_03	80 ppm	Day : 4	22.7
0647_03	80 ppm	Day : 24	32.5
0648_03	80 ppm	Day : 4	23.3
0648_03	80 ppm	Day : 24	27

Experiment Number: 05216-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:37:08

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
0649_03	80 ppm	Day : 4	24.5
0649_03	80 ppm	Day : 24	27.6
0650_03	80 ppm	Day : 4	28.8
0650_03	80 ppm	Day : 24	31.9

\*\* END OF REPORT \*\*