

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:56

First Dose M/F: NA / NA

Lab: NA

C Number: C99027

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:56

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
0001_01	0 ppm	Day : 93	4.3	223	104	21.6
0002_01	0 ppm	Day : 93	4.4	220	139	23.1
0003_01	0 ppm	Day : 93	4.2	212	197	23.2
0004_01	0 ppm	Day : 93	4.1	197	92	20.1
0005_01	0 ppm	Day : 93	4.4	210	98	18.5
0006_01	0 ppm	Day : 93	4.4	199	226	21.5
0007_01	0 ppm	Day : 93	4.3	201	133	21.1
0008_01	0 ppm	Day : 93	4.1	177	69	27.3
0009_01	0 ppm	Day : 93	4.2	188	93	25.8
0010_01	0 ppm	Day : 93	4.0	179	227	33.0
0011_01	80 ppm	Day : 93	4.2	222	103	18.5
0012_01	80 ppm	Day : 93	4.3	180	167	38.5
0013_01	80 ppm	Day : 93	4.5	196	149	31.6
0014_01	80 ppm	Day : 93	4.3	195	148	31.6
0015_01	80 ppm	Day : 93	4.3	203	95	20.4
0016_01	80 ppm	Day : 93	3.9	175	100	16.1
0017_01	80 ppm	Day : 93	4.4	185	108	20.8
0018_01	80 ppm	Day : 93	4.0	124	40	26.2
0019_01	80 ppm	Day : 93	4.3	173	54	32.3
0020_01	80 ppm	Day : 93	4.3	168	63	21.8
0021_01	240 ppm	Day : 93	4.1	204	100	27.2
0022_01	240 ppm	Day : 93	4.5	235	167	26.1

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:57

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
0023_01	240 ppm	Day : 93	4.2	214	157	23.2
0024_01	240 ppm	Day : 93	4.2	209	141	20.5
0025_01	240 ppm	Day : 93	4.3	181	189	20.3
0026_01	240 ppm	Day : 93	4.2	192	168	21.5
0027_01	240 ppm	Day : 93	4.2	178	92	18.5
0028_01	240 ppm	Day : 93	4.3	194	200	26.3
0029_01	240 ppm	Day : 93	4.2	195	191	26.6
0030_01	240 ppm	Day : 93	4.1	176	111	20.7
0031_01	2000 ppm	Day : 93	4.2	217	191	26.8
0032_01	2000 ppm	Day : 93	4.0	202.0	120	37.9
0033_01	2000 ppm	Day : 93	4.3	205	313	37.9
0034_01	2000 ppm	Day : 93	4.2	197.0	91.0	29.6
0035_01	2000 ppm	Day : 93	4.0	206	227	23.3
0036_01	2000 ppm	Day : 93	4.1	153	104	23.9
0037_01	2000 ppm	Day : 93	4.1	172	151	34.1
0038_01	2000 ppm	Day : 93	4.3	183	159	61.5
0039_01	2000 ppm	Day : 93	4.1	221	146	25.7
0040_01	2000 ppm	Day : 93	4.2	195	131	22.7
0041_01	10000 ppm	Day : 93	4.1	211	166	24.9
0042_01	10000 ppm	Day : 93	3.8	175	136	20.7
0043_01	10000 ppm	Day : 93	4.1	213	159	49.0
0044_01	10000 ppm	Day : 93	4.1	191	153	23.3

Experiment Number: 99027-01

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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
0044_01	10000 ppm	Day : 93	4.1	191	153	23.3
0045_01	10000 ppm	Day : 93	4.1	194	85	16.2
0046_01	10000 ppm	Day : 93	4.5	189	180	28.5
0047_01	10000 ppm	Day : 93	4.1	196	134	33.7
0048_01	10000 ppm	Day : 93	4.0	174	77	14.9
0049_01	10000 ppm	Day : 93	4.2	178	150	27.3
0050_01	10000 ppm	Day : 93	4.2	182	132	17.4
0051_01	50000 ppm	Day : 93	4.0	225	261	29.8
0052_01	50000 ppm	Day : 93	4.2	219	172	24.7
0053_01	50000 ppm	Day : 93	4.0	195	108	36.0
0054_01	50000 ppm	Day : 93	4.1	229	239	27.7
0055_01	50000 ppm	Day : 93	4.3	260	227	20.8
0056_01	50000 ppm	Day : 93	4.2	173	74	15.1
0057_01	50000 ppm	Day : 93	4.2	187	175	42.3
0058_01	50000 ppm	Day : 93	4.3	187	89	20.9
0059_01	50000 ppm	Day : 93	4.2	183	73	22.7
0060_01	50000 ppm	Day : 93	4.0	187	136	40.6
0121_01	0 ppm	Day : 3	3.8	749	66	23.6
0121_01	0 ppm	Day : 21	4.3	444	58	14.2
0122_01	0 ppm	Day : 3	4.0	707	61	24.5
0122_01	0 ppm	Day : 21	4.0	417	55	14.7
0123_01	0 ppm	Day : 3	4.1	689	66	26.6

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
0123_01	0 ppm	Day : 21	4.4	436	63	21.2
0124_01	0 ppm	Day : 3	4.1	749	70	21.0
0124_01	0 ppm	Day : 21	4.3	441	63	26.7
0125_01	0 ppm	Day : 3	3.7	809	70	25.1
0125_01	0 ppm	Day : 21	4.5	441	55	25.1
0126_01	0 ppm	Day : 3	3.5	617	77	28.2
0126_01	0 ppm	Day : 21	4.0	507	48	13.3
0127_01	0 ppm	Day : 3	4.0	685	69	23.4
0127_01	0 ppm	Day : 21	4.2	452	46	28.0
0128_01	0 ppm	Day : 3	4.0	695	68	13.7
0128_01	0 ppm	Day : 21	4.3	494	43	19.4
0129_01	0 ppm	Day : 3	4.1	721	68	27.4
0129_01	0 ppm	Day : 21	4.3	527	59	17.4
0130_01	0 ppm	Day : 3	4.1	741	72	17.6
0130_01	0 ppm	Day : 21	4.5	556	56	15.5
0131_01	80 ppm	Day : 3	4.0	656	54	26.9
0131_01	80 ppm	Day : 21	4.1	534	39	27.9
0132_01	80 ppm	Day : 3	3.8	637	56	23.30
0132_01	80 ppm	Day : 21	4.1	447	44	33.0
0133_01	80 ppm	Day : 3	4.1	690	55	29.3
0133_01	80 ppm	Day : 21	4.2	504	45	23.5
0134_01	80 ppm	Day : 3	4.1	658	57	18.2

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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
0134_01	80 ppm	Day : 3	4.1	658	57	18.2
0134_01	80 ppm	Day : 21	4.2	487	44	29.8
0135_01	80 ppm	Day : 3	3.7	831	64	25.2
0135_01	80 ppm	Day : 21	4.5	597	43	16.9
0136_01	80 ppm	Day : 3	3.7	676	55	25.0
0136_01	80 ppm	Day : 21	4.2	475	50	34.3
0137_01	80 ppm	Day : 3	4.0	652	62	23.0
0137_01	80 ppm	Day : 21	4.2	495	43	31.0
0138_01	80 ppm	Day : 3	3.9	612	54	25.1
0138_01	80 ppm	Day : 21	4.1	481	43	27.6
0139_01	80 ppm	Day : 3	3.9	666	54	13.8
0139_01	80 ppm	Day : 21	4.2	464	40	32.7
0140_01	80 ppm	Day : 3	4.0	579	57	15.5
0140_01	80 ppm	Day : 21	4.2	474	45	25.1
0141_01	240 ppm	Day : 3	3.5	791	64	17.5
0141_01	240 ppm	Day : 21	4.0	521	40	25.2
0142_01	240 ppm	Day : 3	4.0	636	50	18.6
0142_01	240 ppm	Day : 21	4.1	492	42	20.8
0143_01	240 ppm	Day : 3	4.1	623	56	21.7
0143_01	240 ppm	Day : 21	4.4	462	48	17.8
0144_01	240 ppm	Day : 3	4.0	740	55	20.6
0144_01	240 ppm	Day : 21	4.3	505	53	28.2

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
0145_01	240 ppm	Day : 3	4.0	703	57	22.8
0145_01	240 ppm	Day : 21	4.5	515	46	17.8
0146_01	240 ppm	Day : 3	3.6	742	61	23.7
0146_01	240 ppm	Day : 21	4.2	451	42	27.3
0147_01	240 ppm	Day : 3	3.7	732	60	20.8
0147_01	240 ppm	Day : 21	4.2	567	39	18.3
0148_01	240 ppm	Day : 3	4.1	713	61	25.4
0148_01	240 ppm	Day : 21	4.5	595	47	25.2
0149_01	240 ppm	Day : 3	4.0	617	57	16.6
0149_01	240 ppm	Day : 21	4.0	471	44	18.1
0150_01	240 ppm	Day : 3	4.1	690	58	16.9
0150_01	240 ppm	Day : 21	4.3	505	44	30.0
0151_01	2000 ppm	Day : 3	3.9	718	61	22.3
0151_01	2000 ppm	Day : 21	4.1	522	49	22.8
0152_01	2000 ppm	Day : 3	3.9	700	63	29.4
0152_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0153_01	2000 ppm	Day : 3	3.9	762	57	18.6
0153_01	2000 ppm	Day : 21	4.3	537	48	38.7
0154_01	2000 ppm	Day : 3	3.8	775	66	25.1
0154_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0155_01	2000 ppm	Day : 3	3.9	697	59	39.9
0155_01	2000 ppm	Day : 21	4.2	478	50	27.0

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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
0155_01	2000 ppm	Day : 21	4.2	478	50	27.0
0156_01	2000 ppm	Day : 3	3.9	671	59	17.9
0156_01	2000 ppm	Day : 21	4.2	532	46	16.0
0157_01	2000 ppm	Day : 3	4.0	763	63	24.2
0157_01	2000 ppm	Day : 21	4.5	599	49	18.6
0158_01	2000 ppm	Day : 3	3.7	791	61	21.4
0158_01	2000 ppm	Day : 21	4.3	550	43	20.5
0159_01	2000 ppm	Day : 3	4.0	627	59	15.1
0159_01	2000 ppm	Day : 21	4.3	515	48	25.6
0160_01	2000 ppm	Day : 3	3.9	650	61	18.2
0160_01	2000 ppm	Day : 21	4.4	490	45	24.9
0161_01	10000 ppm	Day : 3	3.8	636	58	38.7
0161_01	10000 ppm	Day : 21	4.2	508	44	30.9
0162_01	10000 ppm	Day : 3	4.0	641	59	31.0
0162_01	10000 ppm	Day : 21	4.2	488	53	19.5
0163_01	10000 ppm	Day : 3	3.8	753	59	16.1
0163_01	10000 ppm	Day : 21	4.0	473	46	10.9
0164_01	10000 ppm	Day : 3	4.0	698	58	16.2
0164_01	10000 ppm	Day : 21	4.2	508	53	24.8
0165_01	10000 ppm	Day : 3	3.8	732	64	34.9
0165_01	10000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0166_01	10000 ppm	Day : 3	4.0	661	56	27.1

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
0166_01	10000 ppm	Day : 21	4.2	493	44	12.4
0167_01	10000 ppm	Day : 3	3.8	703	65	21.6
0167_01	10000 ppm	Day : 21	4.3	497	46	25.4
0168_01	10000 ppm	Day : 3	3.7	669	54	25.9
0168_01	10000 ppm	Day : 21	4.2	473	45	30.4
0169_01	10000 ppm	Day : 3	4.1	643	63	20.9
0169_01	10000 ppm	Day : 21	4.3	449	47	20.3
0170_01	10000 ppm	Day : 3	3.3	793	72	26.8
0170_01	10000 ppm	Day : 21	4.3	528	45	38.9
0171_01	50000 ppm	Day : 3	3.5	701	61	17.5
0171_01	50000 ppm	Day : 21	4.1	627	48	23.9
0172_01	50000 ppm	Day : 3	3.90	685	57	23.7
0172_01	50000 ppm	Day : 21	4.20	542	44	21.1
0173_01	50000 ppm	Day : 3	3.9	666	59	18.5
0173_01	50000 ppm	Day : 21	4.3	553	63	25.3
0174_01	50000 ppm	Day : 3	4.0	591	53	20.3
0174_01	50000 ppm	Day : 21	4.1	466	49	22.5
0175_01	50000 ppm	Day : 3	3.8	705	63	18.1
0175_01	50000 ppm	Day : 21	4.2	553	46	26.7
0176_01	50000 ppm	Day : 3	3.8	814	72	29.7
0176_01	50000 ppm	Day : 21	4.1	590	46	27.4
0177_01	50000 ppm	Day : 3	4.1	636	67	17.3

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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
0177_01	50000 ppm	Day : 3	4.1	636	67	17.3
0177_01	50000 ppm	Day : 21	3.0	264	22	24.4
0178_01	50000 ppm	Day : 3	4.2	346	83	19.0
0178_01	50000 ppm	Day : 21	4.0	495	44	30.5
0179_01	50000 ppm	Day : 3	4.1	621	58	17.3
0179_01	50000 ppm	Day : 21	4.2	564	48	21.0
0180_01	50000 ppm	Day : 3	4.2	714	64	16.1
0180_01	50000 ppm	Day : 21	4.4	535	45	19.0

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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
0001_01	0 ppm	Day : 93	17.6	653	0.7	6.9
0002_01	0 ppm	Day : 93	18.4	362	0.7	6.6
0003_01	0 ppm	Day : 93	17.4	1711	0.6	6.5
0004_01	0 ppm	Day : 93	17.5	130	0.6	6.4
0005_01	0 ppm	Day : 93	14.3	402	0.6	6.7
0006_01	0 ppm	Day : 93	14.5	104	0.7	6.7
0007_01	0 ppm	Day : 93	16.0	247	0.6	6.7
0008_01	0 ppm	Day : 93	14.5	105	0.7	6.5
0009_01	0 ppm	Day : 93	16.8	165	0.7	6.6
0010_01	0 ppm	Day : 93	16.2	95	0.6	6.3
0011_01	80 ppm	Day : 93	14.9	382	0.7	6.6
0012_01	80 ppm	Day : 93	16.1	230	0.7	6.5
0013_01	80 ppm	Day : 93	16.3	157	0.6	7.1
0014_01	80 ppm	Day : 93	13.8	244	0.6	6.8
0015_01	80 ppm	Day : 93	14.2	220	0.7	6.7
0016_01	80 ppm	Day : 93	14.9	222	0.7	6.1
0017_01	80 ppm	Day : 93	12.5	150	0.7	7.0
0018_01	80 ppm	Day : 93	14.6	176	0.7	6.4
0019_01	80 ppm	Day : 93	12.4	430	0.6	6.7
0020_01	80 ppm	Day : 93	11.3	85	0.7	6.6
0021_01	240 ppm	Day : 93	17.9	493	0.7	6.6
0022_01	240 ppm	Day : 93	19.2	351	0.7	7.0

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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
0023_01	240 ppm	Day : 93	15.3	176	0.7	6.4
0024_01	240 ppm	Day : 93	16.6	108	0.6	6.5
0025_01	240 ppm	Day : 93	13.9	165	0.5	6.5
0026_01	240 ppm	Day : 93	14.4	260	0.6	6.4
0027_01	240 ppm	Day : 93	15.4	325	0.7	6.5
0028_01	240 ppm	Day : 93	16.1	172	0.8	6.9
0029_01	240 ppm	Day : 93	15.4	142	0.7	6.7
0030_01	240 ppm	Day : 93	15.4	97	0.7	6.5
0031_01	2000 ppm	Day : 93	18.7	973	0.7	6.60
0032_01	2000 ppm	Day : 93	19.0	1203	0.6	6.2
0033_01	2000 ppm	Day : 93	18.5	131	0.7	6.7
0034_01	2000 ppm	Day : 93	14.5	132	0.7	6.5
0035_01	2000 ppm	Day : 93	16.0	151	0.6	6.2
0036_01	2000 ppm	Day : 93	15.8	240	0.7	6.6
0037_01	2000 ppm	Day : 93	14.9	147	0.8	6.5
0038_01	2000 ppm	Day : 93	14.9	327	0.7	7.0
0039_01	2000 ppm	Day : 93	14.8	106	0.7	6.4
0040_01	2000 ppm	Day : 93	14.9	138	0.6	6.6
0041_01	10000 ppm	Day : 93	21.2	284	0.9	6.8
0042_01	10000 ppm	Day : 93	16.0	155	0.7	5.9
0043_01	10000 ppm	Day : 93	16.3	792	0.7	6.5
0044_01	10000 ppm	Day : 93	15.4	296	0.7	6.5

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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
0045_01	10000 ppm	Day : 93	11.9	98.0	0.6	6.3
0046_01	10000 ppm	Day : 93	13.3	395	0.7	7.2
0047_01	10000 ppm	Day : 93	14.3	144	0.6	6.4
0048_01	10000 ppm	Day : 93	12.7	125	0.7	6.2
0049_01	10000 ppm	Day : 93	13.1	184	0.7	6.5
0050_01	10000 ppm	Day : 93	13.4	91	0.7	6.6
0051_01	50000 ppm	Day : 93	18.9	553	0.7	6.1
0052_01	50000 ppm	Day : 93	17.9	316	0.7	6.50
0053_01	50000 ppm	Day : 93	15.8	625	0.5	6.1
0054_01	50000 ppm	Day : 93	15.5	198	0.6	6.5
0055_01	50000 ppm	Day : 93	15.4	124	0.6	6.3
0056_01	50000 ppm	Day : 93	11.6	146	0.6	6.6
0057_01	50000 ppm	Day : 93	16.1	229	0.9	6.5
0058_01	50000 ppm	Day : 93	13.5	137	0.7	6.6
0059_01	50000 ppm	Day : 93	12.3	155	0.6	6.6
0060_01	50000 ppm	Day : 93	14.8	104	0.7	6.3
0121_01	0 ppm	Day : 3	13.6	257	0.5	5.4
0121_01	0 ppm	Day : 21	17.6	216	0.7	6.4
0122_01	0 ppm	Day : 3	13.9	345	0.5	5.7
0122_01	0 ppm	Day : 21	17.0	418	0.6	6.0
0123_01	0 ppm	Day : 3	13.5	192	0.6	6.1
0123_01	0 ppm	Day : 21	18.0	243	0.7	6.6

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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
0124_01	0 ppm	Day : 3	10.4	226	0.5	6.1
0124_01	0 ppm	Day : 21	17.6	269	0.7	6.6
0125_01	0 ppm	Day : 3	13.1	500	0.5	5.4
0125_01	0 ppm	Day : 21	16.8	335	0.6	6.7
0126_01	0 ppm	Day : 3	14.4	234	0.4	5.0
0126_01	0 ppm	Day : 21	13.9	776	0.7	5.8
0127_01	0 ppm	Day : 3	14.5	520	0.5	5.9
0127_01	0 ppm	Day : 21	14.2	267	0.6	6.2
0128_01	0 ppm	Day : 3	12.1	486	0.5	5.5
0128_01	0 ppm	Day : 21	13.3	243	0.7	6.6
0129_01	0 ppm	Day : 3	12.3	347	0.5	5.7
0129_01	0 ppm	Day : 21	13.6	286	0.6	6.3
0130_01	0 ppm	Day : 3	14.2	333	0.6	5.9
0130_01	0 ppm	Day : 21	12.3	269	0.7	6.8
0131_01	80 ppm	Day : 3	16.7	268	0.5	5.8
0131_01	80 ppm	Day : 21	13.6	165	0.7	6.2
0132_01	80 ppm	Day : 3	14.7	597	0.5	5.60
0132_01	80 ppm	Day : 21	16.5	831	0.7	6.3
0133_01	80 ppm	Day : 3	12.8	205	0.5	5.7
0133_01	80 ppm	Day : 21	15.9	253	0.6	6.1
0134_01	80 ppm	Day : 3	14.2	491	0.5	5.8
0134_01	80 ppm	Day : 21	14.1	430	0.7	6.4

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

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
0135_01	80 ppm	Day : 3	15.7	248	0.5	5.2
0135_01	80 ppm	Day : 21	13.9	446	0.7	6.5
0136_01	80 ppm	Day : 3	13.3	300	0.5	5.2
0136_01	80 ppm	Day : 21	10.8	231	0.6	6.2
0137_01	80 ppm	Day : 3	13.6	250	0.5	5.8
0137_01	80 ppm	Day : 21	14.0	493	0.6	6.5
0138_01	80 ppm	Day : 3	11.6	428	0.5	5.8
0138_01	80 ppm	Day : 21	13.0	320	0.6	6.1
0139_01	80 ppm	Day : 3	13.6	188	0.5	5.7
0139_01	80 ppm	Day : 21	13.1	313	0.7	6.3
0140_01	80 ppm	Day : 3	12.7	241	0.6	5.8
0140_01	80 ppm	Day : 21	14.6	189	0.7	6.3
0141_01	240 ppm	Day : 3	16.3	324	0.5	5.0
0141_01	240 ppm	Day : 21	15.4	257	0.7	6.1
0142_01	240 ppm	Day : 3	14.5	215	0.4	5.8
0142_01	240 ppm	Day : 21	13.8	251	0.6	6.2
0143_01	240 ppm	Day : 3	16.1	219	0.5	5.9
0143_01	240 ppm	Day : 21	16.4	200	0.7	6.6
0144_01	240 ppm	Day : 3	13.7	284	0.6	5.7
0144_01	240 ppm	Day : 21	16.1	289	0.7	6.5
0145_01	240 ppm	Day : 3	13.4	238	0.6	5.7
0145_01	240 ppm	Day : 21	16.6	369	0.7	6.8

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:58

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
0146_01	240 ppm	Day : 3	14.2	360	0.5	5.2
0146_01	240 ppm	Day : 21	13.8	403	0.7	6.3
0147_01	240 ppm	Day : 3	15.4	496	0.5	5.1
0147_01	240 ppm	Day : 21	13.0	218	0.6	6.4
0148_01	240 ppm	Day : 3	12.7	210	0.5	5.9
0148_01	240 ppm	Day : 21	12.5	239	0.7	7.0
0149_01	240 ppm	Day : 3	11.8	529	0.5	5.9
0149_01	240 ppm	Day : 21	12.7	409	0.7	5.8
0150_01	240 ppm	Day : 3	12.5	222	0.5	5.8
0150_01	240 ppm	Day : 21	14.4	251	0.7	6.6
0151_01	2000 ppm	Day : 3	14.4	342	0.5	5.70
0151_01	2000 ppm	Day : 21	13.6	514	0.7	6.40
0152_01	2000 ppm	Day : 3	14.3	356	0.6	5.5
0152_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0153_01	2000 ppm	Day : 3	14.7	340	0.5	5.7
0153_01	2000 ppm	Day : 21	13.1	354	0.6	6.5
0154_01	2000 ppm	Day : 3	15.5	396	0.5	5.6
0154_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0155_01	2000 ppm	Day : 3	13.2	675	0.6	5.8
0155_01	2000 ppm	Day : 21	11.5	324	0.6	6.0
0156_01	2000 ppm	Day : 3	13.4	291	0.5	5.6
0156_01	2000 ppm	Day : 21	12.6	384	0.7	6.3

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:58

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
0157_01	2000 ppm	Day : 3	13.1	505	0.5	5.8
0157_01	2000 ppm	Day : 21	13.0	269	0.7	7.1
0158_01	2000 ppm	Day : 3	15.9	334	0.5	5.4
0158_01	2000 ppm	Day : 21	13.3	261	0.7	6.6
0159_01	2000 ppm	Day : 3	12.7	236	0.5	5.6
0159_01	2000 ppm	Day : 21	14.5	538	0.7	6.6
0160_01	2000 ppm	Day : 3	12.5	215	0.5	5.7
0160_01	2000 ppm	Day : 21	10.8	243	0.7	6.5
0161_01	10000 ppm	Day : 3	15.0	276	0.5	5.5
0161_01	10000 ppm	Day : 21	14.6	301	0.6	6.4
0162_01	10000 ppm	Day : 3	16.5	245	0.5	6.0
0162_01	10000 ppm	Day : 21	17.4	440	0.6	6.2
0163_01	10000 ppm	Day : 3	13.4	200	0.5	5.7
0163_01	10000 ppm	Day : 21	14.9	565	0.6	6.2
0164_01	10000 ppm	Day : 3	13.9	228	0.5	6.0
0164_01	10000 ppm	Day : 21	16.5	459	0.7	6.3
0165_01	10000 ppm	Day : 3	15.7	866	0.5	5.6
0165_01	10000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0166_01	10000 ppm	Day : 3	13.3	298	0.5	5.9
0166_01	10000 ppm	Day : 21	15.2	263	0.9	6.3
0167_01	10000 ppm	Day : 3	15.1	255	0.5	5.5
0167_01	10000 ppm	Day : 21	13.0	251	0.6	6.6

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
0168_01	10000 ppm	Day : 3	13.7	423	0.5	5.3
0168_01	10000 ppm	Day : 21	15.2	235	0.6	6.3
0169_01	10000 ppm	Day : 3	12.8	282	0.5	5.9
0169_01	10000 ppm	Day : 21	16.2	196	0.6	6.5
0170_01	10000 ppm	Day : 3	14.1	459	0.5	5.5
0170_01	10000 ppm	Day : 21	13.9	290	0.6	6.4
0171_01	50000 ppm	Day : 3	15.9	265	0.4	5.1
0171_01	50000 ppm	Day : 21	12.9	377	0.7	6.2
0172_01	50000 ppm	Day : 3	15.2	636	0.4	5.70
0172_01	50000 ppm	Day : 21	13.8	312	0.6	6.30
0173_01	50000 ppm	Day : 3	15.0	254	0.5	5.9
0173_01	50000 ppm	Day : 21	11.4	317	0.6	6.6
0174_01	50000 ppm	Day : 3	12.0	411	0.5	5.8
0174_01	50000 ppm	Day : 21	12.0	328	0.7	6.0
0175_01	50000 ppm	Day : 3	13.9	384	0.5	5.4
0175_01	50000 ppm	Day : 21	14.9	441	0.7	6.4
0176_01	50000 ppm	Day : 3	14.9	323	0.5	5.5
0176_01	50000 ppm	Day : 21	15.0	823	0.6	6.2
0177_01	50000 ppm	Day : 3	13.0	313	0.5	5.8
0177_01	50000 ppm	Day : 21	8.7	735	0.6	5.5
0178_01	50000 ppm	Day : 3	17.9	630	0.5	5.9
0178_01	50000 ppm	Day : 21	12.4	368	0.6	6.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

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
0179_01	50000 ppm	Day : 3	13.8	259	0.5	5.9
0179_01	50000 ppm	Day : 21	13.9	330	0.7	6.3
0180_01	50000 ppm	Day : 3	13.7	285	0.6	5.9
0180_01	50000 ppm	Day : 21	12.5	247	0.6	6.5

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0001_01	0 ppm	Day : 93	25.1
0002_01	0 ppm	Day : 93	35.2
0003_01	0 ppm	Day : 93	28.2
0004_01	0 ppm	Day : 93	25.8
0005_01	0 ppm	Day : 93	24.1
0006_01	0 ppm	Day : 93	43.9
0007_01	0 ppm	Day : 93	29.4
0008_01	0 ppm	Day : 93	19.7
0009_01	0 ppm	Day : 93	30.4
0010_01	0 ppm	Day : 93	45.8
0011_01	80 ppm	Day : 93	24.6
0012_01	80 ppm	Day : 93	40.4
0013_01	80 ppm	Day : 93	39.4
0014_01	80 ppm	Day : 93	40.0
0015_01	80 ppm	Day : 93	31.5
0016_01	80 ppm	Day : 93	26.0
0017_01	80 ppm	Day : 93	28.9
0018_01	80 ppm	Day : 93	16.9
0019_01	80 ppm	Day : 93	21.5
0020_01	80 ppm	Day : 93	19.4
0021_01	240 ppm	Day : 93	17.6
0022_01	240 ppm	Day : 93	44.2

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0023_01	240 ppm	Day : 93	35.8
0024_01	240 ppm	Day : 93	30.0
0025_01	240 ppm	Day : 93	40.7
0026_01	240 ppm	Day : 93	31.7
0027_01	240 ppm	Day : 93	24.0
0028_01	240 ppm	Day : 93	38.5
0029_01	240 ppm	Day : 93	43.7
0030_01	240 ppm	Day : 93	27.0
0031_01	2000 ppm	Day : 93	41.4
0032_01	2000 ppm	Day : 93	26.4
0033_01	2000 ppm	Day : 93	59.5
0034_01	2000 ppm	Day : 93	30.1
0035_01	2000 ppm	Day : 93	55.0
0036_01	2000 ppm	Day : 93	33.4
0037_01	2000 ppm	Day : 93	31.9
0038_01	2000 ppm	Day : 93	36.5
0039_01	2000 ppm	Day : 93	35.7
0040_01	2000 ppm	Day : 93	26.1
0041_01	10000 ppm	Day : 93	44.2
0042_01	10000 ppm	Day : 93	41.4
0043_01	10000 ppm	Day : 93	31.8
0044_01	10000 ppm	Day : 93	29.8

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0045_01	10000 ppm	Day : 93	24.6
0046_01	10000 ppm	Day : 93	42.4
0047_01	10000 ppm	Day : 93	30.3
0048_01	10000 ppm	Day : 93	25.3
0049_01	10000 ppm	Day : 93	36.0
0050_01	10000 ppm	Day : 93	27.8
0051_01	50000 ppm	Day : 93	33.7
0052_01	50000 ppm	Day : 93	37.5
0053_01	50000 ppm	Day : 93	21.6
0054_01	50000 ppm	Day : 93	50.4
0055_01	50000 ppm	Day : 93	37.6
0056_01	50000 ppm	Day : 93	26.8
0057_01	50000 ppm	Day : 93	46.8
0058_01	50000 ppm	Day : 93	28.5
0059_01	50000 ppm	Day : 93	27.0
0060_01	50000 ppm	Day : 93	32.5
0121_01	0 ppm	Day : 3	17.4
0121_01	0 ppm	Day : 21	19.2
0122_01	0 ppm	Day : 3	18.2
0122_01	0 ppm	Day : 21	18.0
0123_01	0 ppm	Day : 3	11.4
0123_01	0 ppm	Day : 21	23.6

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0124_01	0 ppm	Day : 3	12.0
0124_01	0 ppm	Day : 21	25.3
0125_01	0 ppm	Day : 3	18.1
0125_01	0 ppm	Day : 21	25.7
0126_01	0 ppm	Day : 3	16.3
0126_01	0 ppm	Day : 21	12.0
0127_01	0 ppm	Day : 3	QNS
0127_01	0 ppm	Day : 21	23.3
0128_01	0 ppm	Day : 3	15.4
0128_01	0 ppm	Day : 21	28.7
0129_01	0 ppm	Day : 3	16.4
0129_01	0 ppm	Day : 21	22.8
0130_01	0 ppm	Day : 3	16.4
0130_01	0 ppm	Day : 21	21.5
0131_01	80 ppm	Day : 3	17.0
0131_01	80 ppm	Day : 21	23.2
0132_01	80 ppm	Day : 3	12.50
0132_01	80 ppm	Day : 21	17.0
0133_01	80 ppm	Day : 3	13.3
0133_01	80 ppm	Day : 21	26.3
0134_01	80 ppm	Day : 3	13.0
0134_01	80 ppm	Day : 21	23.3

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0135_01	80 ppm	Day : 3	17.2
0135_01	80 ppm	Day : 21	25.8
0136_01	80 ppm	Day : 3	10.0
0136_01	80 ppm	Day : 21	40.9
0137_01	80 ppm	Day : 3	16.4
0137_01	80 ppm	Day : 21	34.5
0138_01	80 ppm	Day : 3	QNS
0138_01	80 ppm	Day : 21	28.4
0139_01	80 ppm	Day : 3	15.3
0139_01	80 ppm	Day : 21	22.4
0140_01	80 ppm	Day : 3	14.2
0140_01	80 ppm	Day : 21	17.1
0141_01	240 ppm	Day : 3	16.1
0141_01	240 ppm	Day : 21	30.7
0142_01	240 ppm	Day : 3	14.2
0142_01	240 ppm	Day : 21	19.3
0143_01	240 ppm	Day : 3	16.3
0143_01	240 ppm	Day : 21	20.8
0144_01	240 ppm	Day : 3	17.5
0144_01	240 ppm	Day : 21	35.6
0145_01	240 ppm	Day : 3	18.3
0145_01	240 ppm	Day : 21	24.2

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0146_01	240 ppm	Day : 3	16.3
0146_01	240 ppm	Day : 21	22.9
0147_01	240 ppm	Day : 3	QNS
0147_01	240 ppm	Day : 21	24.6
0148_01	240 ppm	Day : 3	16.5
0148_01	240 ppm	Day : 21	25.0
0149_01	240 ppm	Day : 3	13.6
0149_01	240 ppm	Day : 21	19.1
0150_01	240 ppm	Day : 3	17.0
0150_01	240 ppm	Day : 21	20.6
0151_01	2000 ppm	Day : 3	16.3
0151_01	2000 ppm	Day : 21	25.8
0152_01	2000 ppm	Day : 3	16.6
0152_01	2000 ppm	Day : 21	DEAD
0153_01	2000 ppm	Day : 3	16.0
0153_01	2000 ppm	Day : 21	23.7
0154_01	2000 ppm	Day : 3	20.5
0154_01	2000 ppm	Day : 21	DEAD
0155_01	2000 ppm	Day : 3	17.9
0155_01	2000 ppm	Day : 21	34.7
0156_01	2000 ppm	Day : 3	17.4
0156_01	2000 ppm	Day : 21	25.4

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0157_01	2000 ppm	Day : 3	QNS
0157_01	2000 ppm	Day : 21	29.8
0158_01	2000 ppm	Day : 3	17.8
0158_01	2000 ppm	Day : 21	28.2
0159_01	2000 ppm	Day : 3	15.3
0159_01	2000 ppm	Day : 21	24.0
0160_01	2000 ppm	Day : 3	16.0
0160_01	2000 ppm	Day : 21	21.9
0161_01	10000 ppm	Day : 3	12.7
0161_01	10000 ppm	Day : 21	24.5
0162_01	10000 ppm	Day : 3	17.9
0162_01	10000 ppm	Day : 21	22.3
0163_01	10000 ppm	Day : 3	11.3
0163_01	10000 ppm	Day : 21	17.8
0164_01	10000 ppm	Day : 3	12.4
0164_01	10000 ppm	Day : 21	26.9
0165_01	10000 ppm	Day : 3	18.0
0165_01	10000 ppm	Day : 21	DEAD
0166_01	10000 ppm	Day : 3	14.0
0166_01	10000 ppm	Day : 21	26.6
0167_01	10000 ppm	Day : 3	15.6
0167_01	10000 ppm	Day : 21	22.8

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0168_01	10000 ppm	Day : 3	17.6
0168_01	10000 ppm	Day : 21	25.7
0169_01	10000 ppm	Day : 3	15.7
0169_01	10000 ppm	Day : 21	24.2
0170_01	10000 ppm	Day : 3	18.2
0170_01	10000 ppm	Day : 21	20.5
0171_01	50000 ppm	Day : 3	13.7
0171_01	50000 ppm	Day : 21	24.7
0172_01	50000 ppm	Day : 3	11.80
0172_01	50000 ppm	Day : 21	27.80
0173_01	50000 ppm	Day : 3	14.9
0173_01	50000 ppm	Day : 21	36.0
0174_01	50000 ppm	Day : 3	17.1
0174_01	50000 ppm	Day : 21	23.0
0175_01	50000 ppm	Day : 3	16.0
0175_01	50000 ppm	Day : 21	24.4
0176_01	50000 ppm	Day : 3	17.4
0176_01	50000 ppm	Day : 21	34.8
0177_01	50000 ppm	Day : 3	12.2
0177_01	50000 ppm	Day : 21	22.1
0178_01	50000 ppm	Day : 3	22.2
0178_01	50000 ppm	Day : 21	32.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

MALE

Animal No.	Dose	Time In Study	SDH IU per L
0179_01	50000 ppm	Day : 3	14.1
0179_01	50000 ppm	Day : 21	28.3
0180_01	50000 ppm	Day : 3	17.2
0180_01	50000 ppm	Day : 21	23.6

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:58

First Dose M/F: NA / NA

Lab: NA

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_01	0 ppm	Day : 93	4.7	162	75	38.7
0062_01	0 ppm	Day : 93	4.8	183	123	39.8
0063_01	0 ppm	Day : 93	4.7	157	98	34.0
0064_01	0 ppm	Day : 93	4.9	132	77	46.6
0065_01	0 ppm	Day : 93	4.5	187	124	46.8
0066_01	0 ppm	Day : 93	4.3	152	58	22.0
0067_01	0 ppm	Day : 93	4.7	151	51	40.0
0068_01	0 ppm	Day : 93	4.7	157	58	16.8
0069_01	0 ppm	Day : 93	4.2	143	36	21.4
0070_01	0 ppm	Day : 93	4.4	171	43	27.6
0071_01	80 ppm	Day : 93	4.6	183	143	21.4
0072_01	80 ppm	Day : 93	4.6	202	69	54.7
0073_01	80 ppm	Day : 93	4.7	171	97	34.3
0074_01	80 ppm	Day : 93	4.9	186	114	61.8
0075_01	80 ppm	Day : 93	4.8	200	112	44.0
0076_01	80 ppm	Day : 93	4.4	171	50	41.6
0077_01	80 ppm	Day : 93	4.6	172	47	29.8
0078_01	80 ppm	Day : 93	4.7	142	56	20.2
0079_01	80 ppm	Day : 93	5.0	141	55	14.9
0080_01	80 ppm	Day : 93	4.7	150	76	20.1
0081_01	240 ppm	Day : 93	4.7	197	134	53.2
0082_01	240 ppm	Day : 93	4.8	196	90	37.6

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
0083_01	240 ppm	Day : 93	5.1	171	166	41.9
0084_01	240 ppm	Day : 93	4.9	173	65	38.4
0085_01	240 ppm	Day : 93	4.4	180	49	39.9
0086_01	240 ppm	Day : 93	4.3	167	40	31.8
0087_01	240 ppm	Day : 93	4.1	162	51	34.6
0088_01	240 ppm	Day : 93	4.5	155	91	28.2
0089_01	240 ppm	Day : 93	4.4	165	80	50.5
0090_01	240 ppm	Day : 93	4.7	147	46	29.9
0091_01	2000 ppm	Day : 93	4.8	171	95	45.2
0092_01	2000 ppm	Day : 93	4.6	172	42	18.3
0093_01	2000 ppm	Day : 93	4.5	179	85	62.4
0094_01	2000 ppm	Day : 93	4.8	167	79	39.9
0095_01	2000 ppm	Day : 93	4.5	176	90	31.7
0096_01	2000 ppm	Day : 93	4.3	160	40	41.9
0097_01	2000 ppm	Day : 93	4.4	154	33	23.4
0098_01	2000 ppm	Day : 93	4.6	148	42	26.4
0099_01	2000 ppm	Day : 93	4.4	168	58	35.8
0100_01	2000 ppm	Day : 93	4.7	148	35	25.5
0101_01	10000 ppm	Day : 93	4.8	168	98	34.8
0102_01	10000 ppm	Day : 93	4.7	176	44	31.8
0103_01	10000 ppm	Day : 93	4.8	194	147	36.6
0104_01	10000 ppm	Day : 93	4.6	164	38	14.5

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:59

First Dose M/F: NA / NA

Lab: NA

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_01	10000 ppm	Day : 93	4.6	164	38	14.5
0105_01	10000 ppm	Day : 93	4.5	170	88	34.5
0106_01	10000 ppm	Day : 93	4.6	150	37	35.7
0107_01	10000 ppm	Day : 93	4.6	177	57	39.3
0108_01	10000 ppm	Day : 93	4.6	141	52	27.6
0109_01	10000 ppm	Day : 93	4.8	155	109	33.6
0110_01	10000 ppm	Day : 93	4.7	138	48	12.5
0111_01	50000 ppm	Day : 93	4.7	158	41	39.1
0112_01	50000 ppm	Day : 93	4.7	164	44	41.1
0113_01	50000 ppm	Day : 93	4.7	164	56	43.7
0114_01	50000 ppm	Day : 93	4.8	158	54	42.8
0115_01	50000 ppm	Day : 93	5.0	166	88	27.8
0116_01	50000 ppm	Day : 93	4.3	140	95	56.8
0117_01	50000 ppm	Day : 93	4.2	178	85	21.0
0118_01	50000 ppm	Day : 93	4.3	143	50	33.4
0119_01	50000 ppm	Day : 93	4.9	142	45	26.0
0120_01	50000 ppm	Day : 93	4.7	141	95	29.8
0181_01	0 ppm	Day : 3	3.9	620	60	17.6
0181_01	0 ppm	Day : 21	4.1	343	38	16.4
0182_01	0 ppm	Day : 3	4.1	572	52	18.4
0182_01	0 ppm	Day : 21	4.2	378	38	14.4
0183_01	0 ppm	Day : 3	4.2	578	54	29.1

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
0183_01	0 ppm	Day : 21	4.0	344	37	21.4
0184_01	0 ppm	Day : 3	4.0	519	49	21.4
0184_01	0 ppm	Day : 21	4.4	353	41	14.8
0185_01	0 ppm	Day : 3	3.8	572	53	23.0
0185_01	0 ppm	Day : 21	4.1	378	33	33.2
0186_01	0 ppm	Day : 3	4.0	552	48	18.1
0186_01	0 ppm	Day : 21	4.1	325	32	19.3
0187_01	0 ppm	Day : 3	3.9	628	59	26.5
0187_01	0 ppm	Day : 21	4.2	356	36	14.2
0188_01	0 ppm	Day : 3	4.1	614	50	23.0
0188_01	0 ppm	Day : 21	4.4	362	40	29.5
0189_01	0 ppm	Day : 3	4.2	698	54	21.8
0189_01	0 ppm	Day : 21	4.2	351	32	10.4
0190_01	0 ppm	Day : 3	4.2	553	51	29.8
0190_01	0 ppm	Day : 21	4.2	367	31	16.8
0191_01	80 ppm	Day : 3	3.8	568	42	27.7
0191_01	80 ppm	Day : 21	4.1	382	27	27.6
0192_01	80 ppm	Day : 3	4.0	647	49	18.6
0192_01	80 ppm	Day : 21	4.3	433	34	17.2
0193_01	80 ppm	Day : 3	4.1	577	54	14.3
0193_01	80 ppm	Day : 21	4.3	397	32	18.0
0194_01	80 ppm	Day : 3	3.9	583	54	17.5

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

First Dose M/F: NA / NA

Lab: NA

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
0194_01	80 ppm	Day : 3	3.9	583	54	17.5
0194_01	80 ppm	Day : 21	4.3	375	31	17.1
0195_01	80 ppm	Day : 3	3.9	611	50	16.0
0195_01	80 ppm	Day : 21	4.2	375	31	17.9
0196_01	80 ppm	Day : 3	4.0	522	48	14.4
0196_01	80 ppm	Day : 21	4.1	370	32	25.7
0197_01	80 ppm	Day : 3	4.0	566	47	26.1
0197_01	80 ppm	Day : 21	4.1	366	33	15.4
0198_01	80 ppm	Day : 3	4.2	599	52	27.8
0198_01	80 ppm	Day : 21	4.1	367	29	17.4
0199_01	80 ppm	Day : 3	4.2	519	48	15.8
0199_01	80 ppm	Day : 21	4.2	367	31	16.7
0200_01	80 ppm	Day : 3	4.1	587	49	43.2
0200_01	80 ppm	Day : 21	4.0	346	33	32.0
0201_01	240 ppm	Day : 3	3.9	592	47	20.1
0201_01	240 ppm	Day : 21	4.2	365	29	13.8
0202_01	240 ppm	Day : 3	4.1	598	47	13.0
0202_01	240 ppm	Day : 21	4.7	412	30	11.6
0203_01	240 ppm	Day : 3	4.0	614	51	19.9
0203_01	240 ppm	Day : 21	4.5	374	31	17.2
0204_01	240 ppm	Day : 3	3.8	653	55	18.1
0204_01	240 ppm	Day : 21	4.5	401	30	14.8

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
0205_01	240 ppm	Day : 3	4.0	526	47	12.2
0205_01	240 ppm	Day : 21	4.2	317	29	16.1
0206_01	240 ppm	Day : 3	3.9	583	47	19.9
0206_01	240 ppm	Day : 21	4.2	365	33	14.1
0207_01	240 ppm	Day : 3	4.4	547	51	16.9
0207_01	240 ppm	Day : 21	4.2	369	30	16.0
0208_01	240 ppm	Day : 3	4.1	551	49	15.1
0208_01	240 ppm	Day : 21	4.3	356	28	14.9
0209_01	240 ppm	Day : 3	4.2	645	62	29.4
0209_01	240 ppm	Day : 21	4.1	363	30	12.8
0210_01	240 ppm	Day : 3	4.2	649	57	14.4
0210_01	240 ppm	Day : 21	4.1	372	29	12.0
0211_01	2000 ppm	Day : 3	3.8	659	50	17.5
0211_01	2000 ppm	Day : 21	4.1	406	31	18.3
0212_01	2000 ppm	Day : 3	4.1	559	42	18.4
0212_01	2000 ppm	Day : 21	4.4	399	40	27.9
0213_01	2000 ppm	Day : 3	4.0	656	50	21.9
0213_01	2000 ppm	Day : 21	4.1	408	30	22.4
0214_01	2000 ppm	Day : 3	3.9	553	48	15.1
0214_01	2000 ppm	Day : 21	4.1	385	34	15.9
0215_01	2000 ppm	Day : 3	3.9	570	50	19.4
0215_01	2000 ppm	Day : 21	4.2	390	30	26.7

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:59

First Dose M/F: NA / NA

Lab: NA

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
0215_01	2000 ppm	Day : 21	4.2	390	30	26.7
0216_01	2000 ppm	Day : 3	4.6	536	45	24.1
0216_01	2000 ppm	Day : 21	3.8	378	30	18.4
0217_01	2000 ppm	Day : 3	4.6	601	44	19.6
0217_01	2000 ppm	Day : 21	4.3	433	37	17.7
0218_01	2000 ppm	Day : 3	4.7	613	44	19.6
0218_01	2000 ppm	Day : 21	4.1	388	33	19.0
0219_01	2000 ppm	Day : 3	4.5	573	46	32.4
0219_01	2000 ppm	Day : 21	4.2	402	38	11.1
0220_01	2000 ppm	Day : 3	4.6	574	53	29.1
0220_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0221_01	10000 ppm	Day : 3	3.7	552	46	14.7
0221_01	10000 ppm	Day : 21	4.3	326	27	15.7
0222_01	10000 ppm	Day : 3	4.0	560	44	17.2
0222_01	10000 ppm	Day : 21	4.3	352	32	12.4
0223_01	10000 ppm	Day : 3	4.2	580	46	15.5
0223_01	10000 ppm	Day : 21	4.4	421	33	30.9
0224_01	10000 ppm	Day : 3	4.1	611	49	16.4
0224_01	10000 ppm	Day : 21	4.2	363	30	18.6
0225_01	10000 ppm	Day : 3	4.0	579	49	15.5
0225_01	10000 ppm	Day : 21	4.3	353	37	13.6
0226_01	10000 ppm	Day : 3	4.1	586	47	24.2

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
0226_01	10000 ppm	Day : 21	4.0	380	33	13.5
0227_01	10000 ppm	Day : 3	4.3	570	53	16.9
0227_01	10000 ppm	Day : 21	4.2	391	37	24.9
0228_01	10000 ppm	Day : 3	4.2	581	51	30.8
0228_01	10000 ppm	Day : 21	4.2	364	33	20.9
0229_01	10000 ppm	Day : 3	4.2	537	45	14.0
0229_01	10000 ppm	Day : 21	4.2	407	34	18.6
0230_01	10000 ppm	Day : 3	4.2	585	51	21.4
0230_01	10000 ppm	Day : 21	3.9	363	30	14.4
0231_01	50000 ppm	Day : 3	3.9	574	44	16.4
0231_01	50000 ppm	Day : 21	4.2	389	32	12.9
0232_01	50000 ppm	Day : 3	4.10	611	43	19.8
0232_01	50000 ppm	Day : 21	4.1	401	34	16.1
0233_01	50000 ppm	Day : 3	3.9	573	47	12.9
0233_01	50000 ppm	Day : 21	4.1	348	32	15.2
0234_01	50000 ppm	Day : 3	4.3	605	53	17.8
0234_01	50000 ppm	Day : 21	4.2	421	37	19.4
0235_01	50000 ppm	Day : 3	4.0	573	51	14.2
0235_01	50000 ppm	Day : 21	4.2	407	35	17.0
0236_01	50000 ppm	Day : 3	4.0	600	40	22.3
0236_01	50000 ppm	Day : 21	4.3	359	29	32.2
0237_01	50000 ppm	Day : 3	4.2	541	56	12.9

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

First Dose M/F: NA / NA

Lab: NA

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
0237_01	50000 ppm	Day : 3	4.2	541	56	12.9
0237_01	50000 ppm	Day : 21	4.2	348	30	14.5
0238_01	50000 ppm	Day : 3	4.1	626	56	16.1
0238_01	50000 ppm	Day : 21	4.1	379	37	14.3
0239_01	50000 ppm	Day : 3	3.8	561	39	33.2
0239_01	50000 ppm	Day : 21	4.1	353	31	20.7
0240_01	50000 ppm	Day : 3	4.0	558	48	27.8
0240_01	50000 ppm	Day : 21	4.1	343	30	13.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

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
0061_01	0 ppm	Day : 93	14.5	179	0.7	6.8
0062_01	0 ppm	Day : 93	14.8	248	0.6	6.7
0063_01	0 ppm	Day : 93	14.2	187	0.6	6.8
0064_01	0 ppm	Day : 93	15.3	127	0.6	6.9
0065_01	0 ppm	Day : 93	14.2	111	0.6	6.4
0066_01	0 ppm	Day : 93	11.4	137	0.6	6.1
0067_01	0 ppm	Day : 93	11.6	170	0.7	6.9
0068_01	0 ppm	Day : 93	11.4	263	0.6	6.6
0069_01	0 ppm	Day : 93	12.8	191	0.6	6.0
0070_01	0 ppm	Day : 93	14.4	271	0.6	6.2
0071_01	80 ppm	Day : 93	17.4	169	0.6	6.5
0072_01	80 ppm	Day : 93	17.5	142	0.6	6.6
0073_01	80 ppm	Day : 93	14.0	150	0.6	6.8
0074_01	80 ppm	Day : 93	17.3	96	0.6	6.8
0075_01	80 ppm	Day : 93	16.0	284	0.6	6.7
0076_01	80 ppm	Day : 93	13.3	76	0.6	6.2
0077_01	80 ppm	Day : 93	14.1	101	0.6	6.7
0078_01	80 ppm	Day : 93	15.6	257	0.7	6.8
0079_01	80 ppm	Day : 93	12.7	172	0.6	7.2
0080_01	80 ppm	Day : 93	13.8	153	0.6	6.7
0081_01	240 ppm	Day : 93	15.4	307	0.7	6.7
0082_01	240 ppm	Day : 93	16.1	141	0.6	6.8

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

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
0083_01	240 ppm	Day : 93	17.3	152	0.6	7.2
0084_01	240 ppm	Day : 93	15.4	117	0.7	7.1
0085_01	240 ppm	Day : 93	14.8	218	0.5	6.2
0086_01	240 ppm	Day : 93	12.4	141	0.5	6.1
0087_01	240 ppm	Day : 93	14.0	110	0.5	5.9
0088_01	240 ppm	Day : 93	13.2	252	0.6	6.4
0089_01	240 ppm	Day : 93	14.4	203	0.6	6.3
0090_01	240 ppm	Day : 93	13.3	190	0.6	6.9
0091_01	2000 ppm	Day : 93	15.3	111	0.7	6.9
0092_01	2000 ppm	Day : 93	14.1	94	0.6	6.5
0093_01	2000 ppm	Day : 93	14.0	151	0.5	6.5
0094_01	2000 ppm	Day : 93	14.3	92	0.6	7.0
0095_01	2000 ppm	Day : 93	13.2	124	0.6	6.5
0096_01	2000 ppm	Day : 93	10.9	120	0.5	6.2
0097_01	2000 ppm	Day : 93	11.8	352	0.7	6.3
0098_01	2000 ppm	Day : 93	11.7	311	0.6	6.6
0099_01	2000 ppm	Day : 93	12.1	161	0.6	6.1
0100_01	2000 ppm	Day : 93	13.7	221	0.6	6.9
0101_01	10000 ppm	Day : 93	17.7	582	0.6	6.9
0102_01	10000 ppm	Day : 93	15.0	123	0.6	6.6
0103_01	10000 ppm	Day : 93	15.9	102	0.6	7.1
0104_01	10000 ppm	Day : 93	15.8	209	0.7	6.8

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:59

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_01	10000 ppm	Day : 93	16.9	140	0.6	6.4
0106_01	10000 ppm	Day : 93	12.2	155	0.6	6.7
0107_01	10000 ppm	Day : 93	10.9	254	0.7	6.7
0108_01	10000 ppm	Day : 93	12.5	168	0.6	6.7
0109_01	10000 ppm	Day : 93	12.7	293	0.6	6.9
0110_01	10000 ppm	Day : 93	10.9	197	0.6	6.8
0111_01	50000 ppm	Day : 93	14.6	219	0.7	6.8
0112_01	50000 ppm	Day : 93	16.3	173	0.6	6.6
0113_01	50000 ppm	Day : 93	14.0	235	0.7	6.9
0114_01	50000 ppm	Day : 93	14.1	136	0.5	6.7
0115_01	50000 ppm	Day : 93	13.4	147	0.5	7.1
0116_01	50000 ppm	Day : 93	11.9	213	0.5	6.0
0117_01	50000 ppm	Day : 93	12.2	259	0.5	5.9
0118_01	50000 ppm	Day : 93	12.9	199	0.6	6.1
0119_01	50000 ppm	Day : 93	12.5	235	0.6	7.1
0120_01	50000 ppm	Day : 93	12.6	452	0.6	6.7
0181_01	0 ppm	Day : 3	12.8	269	0.5	5.3
0181_01	0 ppm	Day : 21	18.5	381	0.4	5.8
0182_01	0 ppm	Day : 3	15.6	315	0.5	5.8
0182_01	0 ppm	Day : 21	18.5	459	0.5	5.9
0183_01	0 ppm	Day : 3	13.6	818	0.5	5.9
0183_01	0 ppm	Day : 21	20.0	424	0.6	5.8

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

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
0184_01	0 ppm	Day : 3	17.0	710	0.5	5.5
0184_01	0 ppm	Day : 21	17.0	353	0.6	6.6
0185_01	0 ppm	Day : 3	11.8	460	0.5	5.1
0185_01	0 ppm	Day : 21	18.9	563	0.5	5.9
0186_01	0 ppm	Day : 3	13.3	448	0.5	5.5
0186_01	0 ppm	Day : 21	17.8	585	0.4	6.1
0187_01	0 ppm	Day : 3	10.7	318	0.5	5.4
0187_01	0 ppm	Day : 21	16.2	199	0.5	6.2
0188_01	0 ppm	Day : 3	14.3	554	0.5	5.7
0188_01	0 ppm	Day : 21	16.1	220	0.5	6.7
0189_01	0 ppm	Day : 3	14.2	342	0.5	5.8
0189_01	0 ppm	Day : 21	15.6	401	0.5	5.8
0190_01	0 ppm	Day : 3	14.5	442	0.5	5.7
0190_01	0 ppm	Day : 21	16.0	463	0.5	5.9
0191_01	80 ppm	Day : 3	12.9	270	0.4	5.3
0191_01	80 ppm	Day : 21	15.7	415	0.5	5.9
0192_01	80 ppm	Day : 3	16.1	201	0.5	5.6
0192_01	80 ppm	Day : 21	19.5	374	0.5	6.30
0193_01	80 ppm	Day : 3	17.4	210	0.5	5.7
0193_01	80 ppm	Day : 21	19.5	276	0.5	6.0
0194_01	80 ppm	Day : 3	12.6	332	0.5	5.5
0194_01	80 ppm	Day : 21	16.7	242	0.5	6.3

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

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
0195_01	80 ppm	Day : 3	10.9	448	0.5	5.6
0195_01	80 ppm	Day : 21	17.0	774	0.5	6.0
0196_01	80 ppm	Day : 3	14.4	468	0.5	5.5
0196_01	80 ppm	Day : 21	15.6	256	0.5	5.9
0197_01	80 ppm	Day : 3	14.4	384	0.5	5.5
0197_01	80 ppm	Day : 21	17.3	448	0.5	6.0
0198_01	80 ppm	Day : 3	14.0	367	0.5	5.9
0198_01	80 ppm	Day : 21	15.1	379	0.5	5.9
0199_01	80 ppm	Day : 3	16.7	442	0.5	6.1
0199_01	80 ppm	Day : 21	16.8	233	0.6	6.0
0200_01	80 ppm	Day : 3	14.2	281	0.5	5.7
0200_01	80 ppm	Day : 21	14.0	405	0.5	5.6
0201_01	240 ppm	Day : 3	17.4	352	0.5	5.4
0201_01	240 ppm	Day : 21	18.6	391	0.5	6.1
0202_01	240 ppm	Day : 3	15.7	257	0.5	5.8
0202_01	240 ppm	Day : 21	20.4	344	0.5	6.9
0203_01	240 ppm	Day : 3	13.0	380	0.4	5.7
0203_01	240 ppm	Day : 21	20.4	273	0.6	6.7
0204_01	240 ppm	Day : 3	13.3	564	0.5	5.2
0204_01	240 ppm	Day : 21	19.7	240	0.5	6.5
0205_01	240 ppm	Day : 3	15.6	334	0.5	5.7
0205_01	240 ppm	Day : 21	18.2	578	0.5	6.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:42:59

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
0206_01	240 ppm	Day : 3	12.9	288	0.5	5.5
0206_01	240 ppm	Day : 21	15.9	381	0.5	5.9
0207_01	240 ppm	Day : 3	16.4	258	0.5	6.1
0207_01	240 ppm	Day : 21	16.1	269	0.5	6.0
0208_01	240 ppm	Day : 3	14.5	376	0.5	5.6
0208_01	240 ppm	Day : 21	12.5	206	0.5	6.2
0209_01	240 ppm	Day : 3	12.5	325	0.5	5.8
0209_01	240 ppm	Day : 21	13.8	241	0.5	5.6
0210_01	240 ppm	Day : 3	16.9	349	0.5	5.9
0210_01	240 ppm	Day : 21	16.1	220	0.5	5.9
0211_01	2000 ppm	Day : 3	14.7	209	0.5	5.30
0211_01	2000 ppm	Day : 21	14.7	439	0.5	6.0
0212_01	2000 ppm	Day : 3	17.9	251	0.5	5.8
0212_01	2000 ppm	Day : 21	18.2	253	0.5	6.4
0213_01	2000 ppm	Day : 3	17.1	308	0.4	5.7
0213_01	2000 ppm	Day : 21	15.1	390	0.5	5.9
0214_01	2000 ppm	Day : 3	13.7	601	0.5	5.4
0214_01	2000 ppm	Day : 21	15.0	282	0.5	5.8
0215_01	2000 ppm	Day : 3	12.8	548	0.5	5.4
0215_01	2000 ppm	Day : 21	15.0	262	0.5	6.1
0216_01	2000 ppm	Day : 3	19.8	539	0.4	6.3
0216_01	2000 ppm	Day : 21	16.0	411	0.4	5.3

Experiment Number: 99027-01

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 12:42:59

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
0217_01	2000 ppm	Day : 3	14.2	444	0.5	6.8
0217_01	2000 ppm	Day : 21	17.1	241	0.5	6.2
0218_01	2000 ppm	Day : 3	23.1	521	0.5	6.5
0218_01	2000 ppm	Day : 21	13.3	400	0.5	6.1
0219_01	2000 ppm	Day : 3	20.4	780	0.5	6.2
0219_01	2000 ppm	Day : 21	16.4	231	0.5	6.1
0220_01	2000 ppm	Day : 3	13.4	639	0.5	6.3
0220_01	2000 ppm	Day : 21	DEAD	DEAD	DEAD	DEAD
0221_01	10000 ppm	Day : 3	14.8	283	0.5	5.0
0221_01	10000 ppm	Day : 21	16.5	279	0.5	6.0
0222_01	10000 ppm	Day : 3	17.1	318	0.4	5.7
0222_01	10000 ppm	Day : 21	16.9	316	0.5	6.0
0223_01	10000 ppm	Day : 3	15.7	300	0.5	5.7
0223_01	10000 ppm	Day : 21	15.7	419	0.5	6.5
0224_01	10000 ppm	Day : 3	15.3	630	0.5	5.9
0224_01	10000 ppm	Day : 21	17.7	226	0.5	6.1
0225_01	10000 ppm	Day : 3	13.7	354	0.5	5.7
0225_01	10000 ppm	Day : 21	18.2	212	0.5	6.2
0226_01	10000 ppm	Day : 3	16.8	641	0.5	5.7
0226_01	10000 ppm	Day : 21	16.6	338	0.5	5.8
0227_01	10000 ppm	Day : 3	19.1	323	0.5	6.1
0227_01	10000 ppm	Day : 21	16.0	496	0.5	6.2

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

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
0228_01	10000 ppm	Day : 3	15.2	353	0.6	6.0
0228_01	10000 ppm	Day : 21	17.6	261	0.5	6.3
0229_01	10000 ppm	Day : 3	18.6	570	0.5	6.2
0229_01	10000 ppm	Day : 21	15.0	401	0.5	6.3
0230_01	10000 ppm	Day : 3	14.0	360	0.5	5.7
0230_01	10000 ppm	Day : 21	16.7	237	0.5	5.6
0231_01	50000 ppm	Day : 3	16.5	234	0.5	5.5
0231_01	50000 ppm	Day : 21	16.0	392	0.5	5.9
0232_01	50000 ppm	Day : 3	16.3	443	0.5	5.9
0232_01	50000 ppm	Day : 21	16.7	370	0.5	5.8
0233_01	50000 ppm	Day : 3	12.8	258	0.4	5.3
0233_01	50000 ppm	Day : 21	17.0	277	0.5	6.0
0234_01	50000 ppm	Day : 3	17.6	508	0.5	5.8
0234_01	50000 ppm	Day : 21	18.5	252	0.5	6.3
0235_01	50000 ppm	Day : 3	14.4	702	0.5	5.5
0235_01	50000 ppm	Day : 21	16.6	760	0.6	6.0
0236_01	50000 ppm	Day : 3	14.6	387	0.5	5.5
0236_01	50000 ppm	Day : 21	17.6	351	0.5	6.2
0237_01	50000 ppm	Day : 3	15.2	255	0.4	6.3
0237_01	50000 ppm	Day : 21	17.0	371	0.5	6.0
0238_01	50000 ppm	Day : 3	15.2	437	0.5	5.5
0238_01	50000 ppm	Day : 21	15.5	251	0.5	6.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

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
0239_01	50000 ppm	Day : 3	13.9	479	0.4	5.6
0239_01	50000 ppm	Day : 21	17.0	360	0.5	5.8
0240_01	50000 ppm	Day : 3	17.9	634	0.4	5.7
0240_01	50000 ppm	Day : 21	16.7	398	0.5	5.6

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0061_01	0 ppm	Day : 93	29.7
0062_01	0 ppm	Day : 93	33.8
0063_01	0 ppm	Day : 93	25.4
0064_01	0 ppm	Day : 93	24.9
0065_01	0 ppm	Day : 93	30.6
0066_01	0 ppm	Day : 93	22.0
0067_01	0 ppm	Day : 93	15.6
0068_01	0 ppm	Day : 93	23.8
0069_01	0 ppm	Day : 93	22.0
0070_01	0 ppm	Day : 93	18.0
0071_01	80 ppm	Day : 93	38.1
0072_01	80 ppm	Day : 93	24.3
0073_01	80 ppm	Day : 93	30.1
0074_01	80 ppm	Day : 93	27.3
0075_01	80 ppm	Day : 93	28.1
0076_01	80 ppm	Day : 93	14.7
0077_01	80 ppm	Day : 93	15.7
0078_01	80 ppm	Day : 93	27.2
0079_01	80 ppm	Day : 93	21.5
0080_01	80 ppm	Day : 93	22.5
0081_01	240 ppm	Day : 93	39.9
0082_01	240 ppm	Day : 93	27.9

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0083_01	240 ppm	Day : 93	36.5
0084_01	240 ppm	Day : 93	23.5
0085_01	240 ppm	Day : 93	19.7
0086_01	240 ppm	Day : 93	16.6
0087_01	240 ppm	Day : 93	18.3
0088_01	240 ppm	Day : 93	33.8
0089_01	240 ppm	Day : 93	26.2
0090_01	240 ppm	Day : 93	20.1
0091_01	2000 ppm	Day : 93	28.0
0092_01	2000 ppm	Day : 93	16.2
0093_01	2000 ppm	Day : 93	28.4
0094_01	2000 ppm	Day : 93	21.5
0095_01	2000 ppm	Day : 93	26.4
0096_01	2000 ppm	Day : 93	21.3
0097_01	2000 ppm	Day : 93	34.0
0098_01	2000 ppm	Day : 93	28.6
0099_01	2000 ppm	Day : 93	24.2
0100_01	2000 ppm	Day : 93	17.9
0101_01	10000 ppm	Day : 93	25.8
0102_01	10000 ppm	Day : 93	20.5
0103_01	10000 ppm	Day : 93	32.8
0104_01	10000 ppm	Day : 93	16.1

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0105_01	10000 ppm	Day : 93	25.4
0106_01	10000 ppm	Day : 93	20.0
0107_01	10000 ppm	Day : 93	35.6
0108_01	10000 ppm	Day : 93	25.4
0109_01	10000 ppm	Day : 93	31.4
0110_01	10000 ppm	Day : 93	19.7
0111_01	50000 ppm	Day : 93	23.6
0112_01	50000 ppm	Day : 93	22.3
0113_01	50000 ppm	Day : 93	23.3
0114_01	50000 ppm	Day : 93	19.5
0115_01	50000 ppm	Day : 93	28.7
0116_01	50000 ppm	Day : 93	26.9
0117_01	50000 ppm	Day : 93	24.3
0118_01	50000 ppm	Day : 93	22.9
0119_01	50000 ppm	Day : 93	22.5
0120_01	50000 ppm	Day : 93	27.0
0181_01	0 ppm	Day : 3	17.9
0181_01	0 ppm	Day : 21	15.6
0182_01	0 ppm	Day : 3	17.3
0182_01	0 ppm	Day : 21	14.5
0183_01	0 ppm	Day : 3	17.8
0183_01	0 ppm	Day : 21	21.5

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0184_01	0 ppm	Day : 3	19.8
0184_01	0 ppm	Day : 21	18.5
0185_01	0 ppm	Day : 3	17.3
0185_01	0 ppm	Day : 21	12.0
0186_01	0 ppm	Day : 3	16.8
0186_01	0 ppm	Day : 21	10.6
0187_01	0 ppm	Day : 3	18.7
0187_01	0 ppm	Day : 21	16.1
0188_01	0 ppm	Day : 3	16.8
0188_01	0 ppm	Day : 21	23.9
0189_01	0 ppm	Day : 3	18.5
0189_01	0 ppm	Day : 21	15.5
0190_01	0 ppm	Day : 3	17.1
0190_01	0 ppm	Day : 21	15.7
0191_01	80 ppm	Day : 3	12.6
0191_01	80 ppm	Day : 21	13.5
0192_01	80 ppm	Day : 3	16.0
0192_01	80 ppm	Day : 21	19.40
0193_01	80 ppm	Day : 3	15.7
0193_01	80 ppm	Day : 21	17.3
0194_01	80 ppm	Day : 3	20.3
0194_01	80 ppm	Day : 21	19.6

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0195_01	80 ppm	Day : 3	17.7
0195_01	80 ppm	Day : 21	9.5
0196_01	80 ppm	Day : 3	18.8
0196_01	80 ppm	Day : 21	22.3
0197_01	80 ppm	Day : 3	18.7
0197_01	80 ppm	Day : 21	14.7
0198_01	80 ppm	Day : 3	24.7
0198_01	80 ppm	Day : 21	16.7
0199_01	80 ppm	Day : 3	18.5
0199_01	80 ppm	Day : 21	18.7
0200_01	80 ppm	Day : 3	24.2
0200_01	80 ppm	Day : 21	12.5
0201_01	240 ppm	Day : 3	16.1
0201_01	240 ppm	Day : 21	16.4
0202_01	240 ppm	Day : 3	18.1
0202_01	240 ppm	Day : 21	23.6
0203_01	240 ppm	Day : 3	25.2
0203_01	240 ppm	Day : 21	21.8
0204_01	240 ppm	Day : 3	16.0
0204_01	240 ppm	Day : 21	18.3
0205_01	240 ppm	Day : 3	22.2
0205_01	240 ppm	Day : 21	13.4

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0206_01	240 ppm	Day : 3	17.3
0206_01	240 ppm	Day : 21	19.6
0207_01	240 ppm	Day : 3	23.6
0207_01	240 ppm	Day : 21	18.3
0208_01	240 ppm	Day : 3	19.5
0208_01	240 ppm	Day : 21	18.1
0209_01	240 ppm	Day : 3	24.1
0209_01	240 ppm	Day : 21	18.0
0210_01	240 ppm	Day : 3	21.1
0210_01	240 ppm	Day : 21	18.0
0211_01	2000 ppm	Day : 3	13.8
0211_01	2000 ppm	Day : 21	15.8
0212_01	2000 ppm	Day : 3	21.2
0212_01	2000 ppm	Day : 21	23.7
0213_01	2000 ppm	Day : 3	26.8
0213_01	2000 ppm	Day : 21	14.7
0214_01	2000 ppm	Day : 3	17.6
0214_01	2000 ppm	Day : 21	17.0
0215_01	2000 ppm	Day : 3	18.6
0215_01	2000 ppm	Day : 21	21.2
0216_01	2000 ppm	Day : 3	13.1
0216_01	2000 ppm	Day : 21	13.0

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0217_01	2000 ppm	Day : 3	22.4
0217_01	2000 ppm	Day : 21	17.1
0218_01	2000 ppm	Day : 3	23.1
0218_01	2000 ppm	Day : 21	15.6
0219_01	2000 ppm	Day : 3	17.7
0219_01	2000 ppm	Day : 21	18.8
0220_01	2000 ppm	Day : 3	22.4
0220_01	2000 ppm	Day : 21	DEAD
0221_01	10000 ppm	Day : 3	13.6
0221_01	10000 ppm	Day : 21	20.7
0222_01	10000 ppm	Day : 3	15.6
0222_01	10000 ppm	Day : 21	20.8
0223_01	10000 ppm	Day : 3	21.7
0223_01	10000 ppm	Day : 21	19.9
0224_01	10000 ppm	Day : 3	17.0
0224_01	10000 ppm	Day : 21	18.5
0225_01	10000 ppm	Day : 3	18.6
0225_01	10000 ppm	Day : 21	23.7
0226_01	10000 ppm	Day : 3	22.2
0226_01	10000 ppm	Day : 21	16.8
0227_01	10000 ppm	Day : 3	22.0
0227_01	10000 ppm	Day : 21	16.7

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0228_01	10000 ppm	Day : 3	26.4
0228_01	10000 ppm	Day : 21	17.3
0229_01	10000 ppm	Day : 3	17.5
0229_01	10000 ppm	Day : 21	17.4
0230_01	10000 ppm	Day : 3	18.6
0230_01	10000 ppm	Day : 21	17.1
0231_01	50000 ppm	Day : 3	14.0
0231_01	50000 ppm	Day : 21	17.5
0232_01	50000 ppm	Day : 3	22.00
0232_01	50000 ppm	Day : 21	19.1
0233_01	50000 ppm	Day : 3	16.4
0233_01	50000 ppm	Day : 21	21.4
0234_01	50000 ppm	Day : 3	19.2
0234_01	50000 ppm	Day : 21	18.3
0235_01	50000 ppm	Day : 3	20.3
0235_01	50000 ppm	Day : 21	8.3
0236_01	50000 ppm	Day : 3	18.8
0236_01	50000 ppm	Day : 21	24.1
0237_01	50000 ppm	Day : 3	19.0
0237_01	50000 ppm	Day : 21	17.9
0238_01	50000 ppm	Day : 3	18.1
0238_01	50000 ppm	Day : 21	16.4

Experiment Number: 99027-01

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 12:43:00

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	SDH IU per L
0239_01	50000 ppm	Day : 3	18.2
0239_01	50000 ppm	Day : 21	12.1
0240_01	50000 ppm	Day : 3	12.6
0240_01	50000 ppm	Day : 21	13.2

** END OF REPORT **