

**Experiment Number:** 05196-03

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

**P42: Clinical Chemistry Data**

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

**Time Report Requested:** 13:34:58

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

**Lab:** NA

**C Number:** C04308

**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	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0001_03	0 ppm	Week : 13	26	219	72	37
0002_03	0 ppm	Week : 13	30	199	137	23
0003_03	0 ppm	Week : 13	29	213	60	17
0004_03	0 ppm	Week : 13	37	247	383*	38
0005_03	0 ppm	Week : 13	30	192	84	21
0006_03	0 ppm	Week : 13	41	233	61	24
0007_03	0 ppm	Week : 13	30	262	57	16
0008_03	0 ppm	Week : 13	33	270	55	13
0009_03	0 ppm	Week : 13	40	271	68	18
0010_03	0 ppm	Week : 13	33	241	51	18
0011_03	2 ppm	Week : 13	28	228	51	9
0012_03	2 ppm	Week : 13	28	225	52	20
0013_03	2 ppm	Week : 13	26	212	49	8
0014_03	2 ppm	Week : 13	36	217	58	20
0015_03	2 ppm	Week : 13	38	244	69	35
0016_03	2 ppm	Week : 13	29	303	59	13
0017_03	2 ppm	Week : 13	33	274	50	20
0018_03	2 ppm	Week : 13	33	263	55	14
0019_03	2 ppm	Week : 13	31	326	53	10
0020_03	2 ppm	Week : 13	41	266	57	25
0021_03	4 ppm	Week : 13	31	208	62	13
0022_03	4 ppm	Week : 13	28	204	60	8

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0023_03	4 ppm	Week : 13	29	186	57	15
0024_03	4 ppm	Week : 13	36	170	59	9
0025_03	4 ppm	Week : 13	31	191	51	7
0026_03	4 ppm	Week : 13	36	246	65	16
0027_03	4 ppm	Week : 13	34	245	60	17
0028_03	4 ppm	Week : 13	29	333	68	19
0029_03	4 ppm	Week : 13	44	223	70	13
0030_03	4 ppm	Week : 13	26	252	54	12
0031_03	8 ppm	Week : 13	28	267	65	16
0032_03	8 ppm	Week : 13	30	222	113	13
0033_03	8 ppm	Week : 13	33	222	104	24
0034_03	8 ppm	Week : 13	32	229	72	15
0035_03	8 ppm	Week : 13	30	206	72	12
0036_03	8 ppm	Week : 13	39	237	54	14
0037_03	8 ppm	Week : 13	44	259	64	13
0038_03	8 ppm	Week : 13	32	240	52	15
0039_03	8 ppm	Week : 13	39	231	57	26
0040_03	8 ppm	Week : 13	38	265	57	13
0041_03	16 ppm	Week : 13	30	190	49	13
0042_03	16 ppm	Week : 13	36	189	67	15
0043_03	16 ppm	Week : 13	30	204	48	8
0044_03	16 ppm	Week : 13	27	217	52	9

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0044_03	16 ppm	Week : 13	27	217	52	9
0045_03	16 ppm	Week : 13	32	187	60	13
0046_03	16 ppm	Week : 13	38	234	79	19
0047_03	16 ppm	Week : 13	35	262	72	18
0048_03	16 ppm	Week : 13	37	243	53	14
0049_03	16 ppm	Week : 13	51	277	58	17
0050_03	16 ppm	Week : 13	36	254	69	6
0051_03	32 ppm	Week : 13	31	193	105	13
0052_03	32 ppm	Week : 13	34	264	83	26
0053_03	32 ppm	Week : 13	31	200	201	34
0054_03	32 ppm	Week : 13	39	243	118	19
0055_03	32 ppm	Week : 13	39	242	101	23
0056_03	32 ppm	Week : 13	49	272	93	46
0057_03	32 ppm	Week : 13	47	276	77	23
0058_03	32 ppm	Week : 13	42	339	74	24
0059_03	32 ppm	Week : 13	59	280	94	30
0060_03	32 ppm	Week : 13	41	169	676	40
0131_03	0 ppm	Day : 3	35	527	36	10
0131_03	0 ppm	Week : 13	20	341	49	7
0131_03	0 ppm	Day : 14	12	352	28	8
0131_03	0 ppm	Day : 42	16	335	32	13
0131_03	0 ppm	Day : 70	15	162	35	8

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**MALE**


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Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0132_03	0 ppm	Day : 3	25	440	32	8
0132_03	0 ppm	Week : 13	17	283	49	20
0132_03	0 ppm	Day : 14	16	342	34	10
0132_03	0 ppm	Day : 42	19	378	39	5
0132_03	0 ppm	Day : 70	14	186	34	6
0133_03	0 ppm	Day : 3	27	386	28	11
0133_03	0 ppm	Week : 13	17	277	44	14
0133_03	0 ppm	Day : 14	14	289	30	15
0133_03	0 ppm	Day : 42	15	322	42	7
0133_03	0 ppm	Day : 70	13	143	28	11
0134_03	0 ppm	Day : 3	30	402	27	9
0134_03	0 ppm	Week : 13	19	286	59	18
0134_03	0 ppm	Day : 14	17	366	43	15
0134_03	0 ppm	Day : 42	13	306	36	8
0134_03	0 ppm	Day : 70	14	134	37	9
0135_03	0 ppm	Day : 3	27	368	29	14
0135_03	0 ppm	Week : 13	19	278	48	10
0135_03	0 ppm	Day : 14	15	353	38	34
0135_03	0 ppm	Day : 42	16	328	37	29
0135_03	0 ppm	Day : 70	15	176	44	17
0136_03	0 ppm	Day : 3	27	382	26	10
0136_03	0 ppm	Week : 13	17	263	44	6

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0136_03	0 ppm	Week : 13	17	263	44	6
0136_03	0 ppm	Day : 14	15	337	26	7
0136_03	0 ppm	Day : 42	18	346	41	5
0136_03	0 ppm	Day : 70	16	166	38	11
0137_03	0 ppm	Day : 3	28	381	25	11
0137_03	0 ppm	Week : 13	18	248	41	6
0137_03	0 ppm	Day : 14	14	303	25	7
0137_03	0 ppm	Day : 42	18	313	39	5
0137_03	0 ppm	Day : 70	13	143	30	6
0138_03	0 ppm	Day : 3	34	408	37	16
0138_03	0 ppm	Week : 13	15	270	43	5
0138_03	0 ppm	Day : 14	14	317	29	7
0138_03	0 ppm	Day : 42	18	384	41	8
0138_03	0 ppm	Day : 70	12	137	34	14
0139_03	0 ppm	Day : 3	32	395	32	10
0139_03	0 ppm	Week : 13	19	317	53	20
0139_03	0 ppm	Day : 14	14	372	36	27
0139_03	0 ppm	Day : 42	20	383	50	
0139_03	0 ppm	Day : 70	14	165	37	9
0140_03	0 ppm	Day : 3	29	370	25	6
0140_03	0 ppm	Week : 13	21	264	45	8
0140_03	0 ppm	Day : 14	16	300	31	9

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0140_03	0 ppm	Day : 42	17	359	39	9
0140_03	0 ppm	Day : 70	13	162	29	6
0141_03	2 ppm	Day : 3	30	444	34	12
0141_03	2 ppm	Week : 13	17	297	53	17
0141_03	2 ppm	Day : 14	11	269	26	11
0141_03	2 ppm	Day : 42		367	38	
0141_03	2 ppm	Day : 70	13	162	34	26
0142_03	2 ppm	Day : 3	28	434	33	23
0142_03	2 ppm	Week : 13	18	254	59	20
0142_03	2 ppm	Day : 14	15	417	35	13
0142_03	2 ppm	Day : 42	22	410	39	14
0142_03	2 ppm	Day : 70	16	156	35	6
0143_03	2 ppm	Day : 3	28	351	26	12
0143_03	2 ppm	Week : 13	17	221	41	11
0143_03	2 ppm	Day : 14	14	377	31	24
0143_03	2 ppm	Day : 42	15	324	32	5
0143_03	2 ppm	Day : 70	17	163	36	14
0144_03	2 ppm	Day : 3	30	397	35	8
0144_03	2 ppm	Week : 13	15	243	45	4
0144_03	2 ppm	Day : 14	13	316	33	15
0144_03	2 ppm	Day : 42	14	311	35	6
0144_03	2 ppm	Day : 70	15	157	31	8

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**MALE**


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Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0144_03	2 ppm	Day : 70	15	157	31	8
0145_03	2 ppm	Day : 3	27	419	35	12
0145_03	2 ppm	Week : 13	15	243	41	15
0145_03	2 ppm	Day : 14	15	362	34	10
0145_03	2 ppm	Day : 42	16	319	32	6
0145_03	2 ppm	Day : 70	13	157	28	6
0146_03	2 ppm	Day : 3	26	401	35	8
0146_03	2 ppm	Week : 13	15	217	46	5
0146_03	2 ppm	Day : 14	12	295	28	18
0146_03	2 ppm	Day : 42	15	389	45	15
0146_03	2 ppm	Day : 70	15	132	32	17
0147_03	2 ppm	Day : 3	29	400	29	8
0147_03	2 ppm	Week : 13	23	297	52	11
0147_03	2 ppm	Day : 14	9	286	30	11
0147_03	2 ppm	Day : 42	19	366	42	14
0147_03	2 ppm	Day : 70	12	139	27	8
0148_03	2 ppm	Day : 3	33	397	34	10
0148_03	2 ppm	Week : 13	17	287	48	15
0148_03	2 ppm	Day : 14	12	300	27	13
0148_03	2 ppm	Day : 42	18	305	34	7
0148_03	2 ppm	Day : 70	16	149	30	10
0149_03	2 ppm	Day : 3	32	394	43	



## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0149_03	2 ppm	Week : 13	16	276	47	5
0149_03	2 ppm	Day : 14	11	300	32	11
0149_03	2 ppm	Day : 42	16	330	38	4
0149_03	2 ppm	Day : 70	13	134	27	6
0150_03	2 ppm	Day : 3	35	370	30	18
0150_03	2 ppm	Week : 13	19	296	52	17
0150_03	2 ppm	Day : 14	14	288	32	19
0150_03	2 ppm	Day : 42	19	331	40	22
0150_03	2 ppm	Day : 70	19	140	35	20
0151_03	4 ppm	Day : 3	34	445	29	10
0151_03	4 ppm	Week : 13	16	218	41	23
0151_03	4 ppm	Day : 14	14	363	31	9
0151_03	4 ppm	Day : 42	17	363	40	5
0151_03	4 ppm	Day : 70	19	192	44	13
0152_03	4 ppm	Day : 3	25	407	30	10
0152_03	4 ppm	Week : 13	22	273	55	21
0152_03	4 ppm	Day : 14	13	309	31	8
0152_03	4 ppm	Day : 42	16	355	39	16
0152_03	4 ppm	Day : 70	24	170	42	12
0153_03	4 ppm	Day : 3	33	370	33	9
0153_03	4 ppm	Week : 13	18	281	46	12
0153_03	4 ppm	Day : 14	13	318	27	9

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0153_03	4 ppm	Day : 14	13	318	27	9
0153_03	4 ppm	Day : 42	17	335	47	8
0153_03	4 ppm	Day : 70	19	147	37	15
0154_03	4 ppm	Day : 3	28	408	26	13
0154_03	4 ppm	Week : 13	15	227	39	4
0154_03	4 ppm	Day : 14	12	293	25	10
0154_03	4 ppm	Day : 42	17	350	43	14
0154_03	4 ppm	Day : 70	19	149	39	8
0155_03	4 ppm	Day : 3	29	431	27	10
0155_03	4 ppm	Week : 13	16	270	41	10
0155_03	4 ppm	Day : 14	14	327	24	7
0155_03	4 ppm	Day : 42	19	405	36	34
0155_03	4 ppm	Day : 70	16	143	27	5
0156_03	4 ppm	Day : 3	32	390	30	13
0156_03	4 ppm	Week : 13	18	305	54	12
0156_03	4 ppm	Day : 14	19	362	32	31
0156_03	4 ppm	Day : 42	16	319	45	12
0156_03	4 ppm	Day : 70	18	152	35	9
0157_03	4 ppm	Day : 3	27	442	29	18
0157_03	4 ppm	Week : 13	18	316	40	20
0157_03	4 ppm	Day : 14	16	430	41	10
0157_03	4 ppm	Day : 42	20	318	38	18

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**MALE**


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Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0157_03	4 ppm	Day : 70	12	144	29	23
0158_03	4 ppm	Day : 3	35	411	39	7
0158_03	4 ppm	Week : 13	18	301	45	7
0158_03	4 ppm	Day : 14	15	332	32	9
0158_03	4 ppm	Day : 42	16	294	34	18
0158_03	4 ppm	Day : 70	15	156	36	7
0159_03	4 ppm	Day : 3	34	405	28	9
0159_03	4 ppm	Week : 13	18	260	47	8
0159_03	4 ppm	Day : 14	17	349	33	7
0159_03	4 ppm	Day : 42	15	348	36	21
0159_03	4 ppm	Day : 70	15	157	36	15
0160_03	4 ppm	Day : 3	27	402	29	9
0160_03	4 ppm	Week : 13	19	279	48	30
0160_03	4 ppm	Day : 14	17	337	34	13
0160_03	4 ppm	Day : 42	17	316	48	11
0160_03	4 ppm	Day : 70	17	131	33	7
0161_03	8 ppm	Day : 3	34	416	31	11
0161_03	8 ppm	Week : 13	19	252	48	13
0161_03	8 ppm	Day : 14	13	346	27	7
0161_03	8 ppm	Day : 42	17	349	33	5
0161_03	8 ppm	Day : 70	14	135	26	5
0162_03	8 ppm	Day : 3	28	406	27	18

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0162_03	8 ppm	Day : 3	28	406	27	18
0162_03	8 ppm	Week : 13	17	242	47	9
0162_03	8 ppm	Day : 14	14	316	28	13
0162_03	8 ppm	Day : 42	16	304	47	18
0162_03	8 ppm	Day : 70	15	149	38	8
0163_03	8 ppm	Day : 3	30	422	31	8
0163_03	8 ppm	Week : 13	18	305	44	14
0163_03	8 ppm	Day : 14	14	333	29	9
0163_03	8 ppm	Day : 42	17	377	36	4
0163_03	8 ppm	Day : 70	14	140	26	6
0164_03	8 ppm	Day : 3	32	379	31	4
0164_03	8 ppm	Week : 13	19	257	39	4
0164_03	8 ppm	Day : 14	13	356	29	9
0164_03	8 ppm	Day : 42	20	314	47	7
0164_03	8 ppm	Day : 70	20	146	33	9
0165_03	8 ppm	Day : 3	31	418	33	6
0165_03	8 ppm	Week : 13	18	256	43	16
0165_03	8 ppm	Day : 14	12	345	38	7
0165_03	8 ppm	Day : 42	18	317	36	7
0165_03	8 ppm	Day : 70	17	158	29	5
0166_03	8 ppm	Day : 3	27	433	29	18
0166_03	8 ppm	Week : 13	18	279	39	11

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0166_03	8 ppm	Day : 14	13	342	27	11
0166_03	8 ppm	Day : 42	18	369	50	12
0166_03	8 ppm	Day : 70	16	149	36	8
0167_03	8 ppm	Day : 3	27	422	29	13
0167_03	8 ppm	Week : 13	17	283	45	15
0167_03	8 ppm	Day : 14	13	398	32	10
0167_03	8 ppm	Day : 42	15	319	41	13
0167_03	8 ppm	Day : 70	16	143	30	9
0168_03	8 ppm	Day : 3	31	418	31	10
0168_03	8 ppm	Week : 13	16	259	45	20
0168_03	8 ppm	Day : 14	12	312	29	6
0168_03	8 ppm	Day : 42	20	321	57	7
0168_03	8 ppm	Day : 70	14	149	27	6
0169_03	8 ppm	Day : 3	35	456	32	16
0169_03	8 ppm	Week : 13	16	242	37	8
0169_03	8 ppm	Day : 14	12	394	32	10
0169_03	8 ppm	Day : 42	15	346	41	4
0169_03	8 ppm	Day : 70	25	145	48	
0170_03	8 ppm	Day : 3	27	415	27	9
0170_03	8 ppm	Week : 13	16	268	46	7
0170_03	8 ppm	Day : 14	12	334	28	6
0170_03	8 ppm	Day : 70	18	146	33	8

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0170_03	8 ppm	Day : 70	18	146	33	8
0171_03	16 ppm	Day : 3	30	478	38	5
0171_03	16 ppm	Week : 13	16	267	57	35
0171_03	16 ppm	Day : 14	17	453	51	17
0171_03	16 ppm	Day : 42	18	369	30	5
0171_03	16 ppm	Day : 70	16	164	36	7
0172_03	16 ppm	Day : 3	27	381	25	6
0172_03	16 ppm	Week : 13	20	265	41	7
0172_03	16 ppm	Day : 14	23	327	32	15
0172_03	16 ppm	Day : 42	19	289	32	8
0172_03	16 ppm	Day : 70	17	157	29	6
0173_03	16 ppm	Day : 3	28	453	33	5
0173_03	16 ppm	Week : 13	17	246	44	13
0173_03	16 ppm	Day : 14	14	418	36	9
0173_03	16 ppm	Day : 42	17	315	34	2
0173_03	16 ppm	Day : 70	16	165	39	5
0174_03	16 ppm	Day : 3	28	403	27	6
0174_03	16 ppm	Week : 13	17	243	39	11
0174_03	16 ppm	Day : 14	15	393	37	11
0174_03	16 ppm	Day : 42	17	287	37	4
0174_03	16 ppm	Day : 70	17	149	33	24
0175_03	16 ppm	Day : 3	30	391	35	8

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**MALE**


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Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0175_03	16 ppm	Week : 13	17	257	35	4
0175_03	16 ppm	Day : 14	20	415	33	16
0175_03	16 ppm	Day : 42	17	393	35	4
0175_03	16 ppm	Day : 70	17	196	39	6
0176_03	16 ppm	Day : 3	30	415	32	36
0176_03	16 ppm	Week : 13	18	239	40	9
0176_03	16 ppm	Day : 14	14	358	29	12
0176_03	16 ppm	Day : 42	16	277	29	14
0176_03	16 ppm	Day : 70	13	108	31	17
0177_03	16 ppm	Day : 3	28	448	34	14
0177_03	16 ppm	Week : 13	19	240	54	10
0177_03	16 ppm	Day : 14	13	409	29	14
0177_03	16 ppm	Day : 42	17	326	32	11
0177_03	16 ppm	Day : 70	16	157	30	8
0178_03	16 ppm	Day : 3	26	404	29	10
0178_03	16 ppm	Week : 13	18	246	50	6
0178_03	16 ppm	Day : 14	16	378	40	11
0178_03	16 ppm	Day : 42	17	358	37	5
0178_03	16 ppm	Day : 70	13	122	27	4
0179_03	16 ppm	Day : 3	30	417	33	7
0179_03	16 ppm	Week : 13	18	283	44	9
0179_03	16 ppm	Day : 14	17	373	33	11

## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0179_03	16 ppm	Day : 14	17	373	33	11
0179_03	16 ppm	Day : 42	17	315	35	11
0179_03	16 ppm	Day : 70	16	142	29	6
0180_03	16 ppm	Day : 3	27	396	26	10
0180_03	16 ppm	Week : 13	15	254	39	7
0180_03	16 ppm	Day : 14	12	303	32	11
0180_03	16 ppm	Day : 42	16	307	37	25
0180_03	16 ppm	Day : 70	16	131	34	9
0181_03	32 ppm	Day : 3	34	420	34	14
0181_03	32 ppm	Week : 13	22	272	59	49
0181_03	32 ppm	Day : 14	17	428	53	40
0181_03	32 ppm	Day : 42	22	346	81	55
0181_03	32 ppm	Day : 70	31	217	285	55
0182_03	32 ppm	Day : 3	29	409	28	6
0182_03	32 ppm	Week : 13	22	323	57	39
0182_03	32 ppm	Day : 14	16	359	35	9
0182_03	32 ppm	Day : 42	19	311	31	5
0182_03	32 ppm	Day : 70	38	215	218	26
0183_03	32 ppm	Day : 3	29	432	24	5
0183_03	32 ppm	Week : 13	23	236	104	72
0183_03	32 ppm	Day : 14	16	346	32	18
0183_03	32 ppm	Day : 42	21	381	42	18



## MALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0183_03	32 ppm	Day : 70	21	156	72	50
0184_03	32 ppm	Day : 3	28	442	29	9
0184_03	32 ppm	Week : 13	21	260	67	19
0184_03	32 ppm	Day : 14	18	414	49	19
0184_03	32 ppm	Day : 42	22	389	48	23
0184_03	32 ppm	Day : 70	18	207	55	9
0185_03	32 ppm	Day : 3	28	390	24	11
0185_03	32 ppm	Week : 13	25	258	65	56
0185_03	32 ppm	Day : 14	14	295	33	20
0185_03	32 ppm	Day : 42	28	373	61	33
0185_03	32 ppm	Day : 70	27	185	107	33
0186_03	32 ppm	Day : 3	27	406	28	9
0186_03	32 ppm	Week : 13	24	333	126	45
0186_03	32 ppm	Day : 14	22	419	78	18
0186_03	32 ppm	Day : 42	31	375	82	36
0186_03	32 ppm	Day : 70	64	258	291	
0187_03	32 ppm	Day : 3	28	407	25	9
0187_03	32 ppm	Week : 13	25	398	83	40
0187_03	32 ppm	Day : 14	24	412	41	32
0187_03	32 ppm	Day : 42	18	313	42	30
0187_03	32 ppm	Day : 70	24	226	66	24
0188_03	32 ppm	Day : 3	31	417	31	8

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0188_03	32 ppm	Day : 3	31	417	31	8
0188_03	32 ppm	Week : 13	20	284	43	11
0188_03	32 ppm	Day : 14	14	340	39	21
0188_03	32 ppm	Day : 42	18	317	38	14
0188_03	32 ppm	Day : 70	71	269	500	107
0189_03	32 ppm	Day : 3	36	440	31	6
0189_03	32 ppm	Week : 13	17	218	55	10
0189_03	32 ppm	Day : 14	19	385	45	8
0189_03	32 ppm	Day : 42	19	317	39	37
0189_03	32 ppm	Day : 70		178	51	
0190_03	32 ppm	Day : 3	28	391	26	4
0190_03	32 ppm	Week : 13	26	352	92	56
0190_03	32 ppm	Day : 14	18	369	40	12
0190_03	32 ppm	Day : 42	24	289	67	31

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0001_03	0 ppm	Week : 13	19	0.7	14
0002_03	0 ppm	Week : 13	23	0.8	27
0003_03	0 ppm	Week : 13	23	0.6	8
0004_03	0 ppm	Week : 13	23	0.7	3
0005_03	0 ppm	Week : 13	23	0.7	12
0006_03	0 ppm	Week : 13	23	0.7	6
0007_03	0 ppm	Week : 13	22	0.6	7
0008_03	0 ppm	Week : 13	20	0.7	7
0009_03	0 ppm	Week : 13	20	0.7	7
0010_03	0 ppm	Week : 13	22	0.7	5
0011_03	2 ppm	Week : 13	22	0.6	8
0012_03	2 ppm	Week : 13	22	0.7	10
0013_03	2 ppm	Week : 13	20	0.6	8
0014_03	2 ppm	Week : 13	20	0.6	7
0015_03	2 ppm	Week : 13	22	0.7	5
0016_03	2 ppm	Week : 13	22	0.6	10
0017_03	2 ppm	Week : 13	21	0.6	5
0018_03	2 ppm	Week : 13	22	0.7	5
0019_03	2 ppm	Week : 13	18	0.6	9
0020_03	2 ppm	Week : 13	22	0.7	6
0021_03	4 ppm	Week : 13	23	0.7	9
0022_03	4 ppm	Week : 13	21	0.6	9

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0023_03	4 ppm	Week : 13	18	0.6	13
0024_03	4 ppm	Week : 13	20	0.9	4
0025_03	4 ppm	Week : 13	20	0.7	8
0026_03	4 ppm	Week : 13	25	0.6	11
0027_03	4 ppm	Week : 13	20	0.7	5
0028_03	4 ppm	Week : 13	25	0.7	9
0029_03	4 ppm	Week : 13	21	0.7	11
0030_03	4 ppm	Week : 13	24	0.6	7
0031_03	8 ppm	Week : 13	20	0.6	10
0032_03	8 ppm	Week : 13	20	0.7	21
0033_03	8 ppm	Week : 13	24	0.7	23
0034_03	8 ppm	Week : 13	22	0.6	15
0035_03	8 ppm	Week : 13	25	0.8	14
0036_03	8 ppm	Week : 13	24	0.7	5
0037_03	8 ppm	Week : 13	23	0.7	8
0038_03	8 ppm	Week : 13	22	0.6	6
0039_03	8 ppm	Week : 13	22	0.7	5
0040_03	8 ppm	Week : 13	26	0.7	6
0041_03	16 ppm	Week : 13	21	0.6	7
0042_03	16 ppm	Week : 13	23	0.6	13
0043_03	16 ppm	Week : 13	20	0.6	8
0044_03	16 ppm	Week : 13	22	0.6	9

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0045_03	16 ppm	Week : 13	23	0.7	10
0046_03	16 ppm	Week : 13	21	0.6	8
0047_03	16 ppm	Week : 13	25	0.6	11
0048_03	16 ppm	Week : 13	25	0.6	5
0049_03	16 ppm	Week : 13	25	0.7	6
0050_03	16 ppm	Week : 13	23	0.6	7
0051_03	32 ppm	Week : 13	18	0.6	10
0052_03	32 ppm	Week : 13	22	0.5	11
0053_03	32 ppm	Week : 13	29	0.6	10
0054_03	32 ppm	Week : 13	25	0.6	9
0055_03	32 ppm	Week : 13	22	0.6	14
0056_03	32 ppm	Week : 13	21	0.6	6
0057_03	32 ppm	Week : 13	22	0.7	6
0058_03	32 ppm	Week : 13	21	0.6	8
0059_03	32 ppm	Week : 13	23	0.6	8
0060_03	32 ppm	Week : 13	37	0.5	23
0131_03	0 ppm	Day : 3	16	0.5	4
0131_03	0 ppm	Week : 13	19	0.9	4
0131_03	0 ppm	Day : 14	18	0.5	4
0131_03	0 ppm	Day : 42	21	0.5	4
0131_03	0 ppm	Day : 70	14	0.5	3
0132_03	0 ppm	Day : 3	17	0.4	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0132_03	0 ppm	Week : 13	19	0.8	5
0132_03	0 ppm	Day : 14	19	0.6	3
0132_03	0 ppm	Day : 42	19	0.5	5
0132_03	0 ppm	Day : 70	16	0.6	5
0133_03	0 ppm	Day : 3	20	0.5	4
0133_03	0 ppm	Week : 13	22	0.8	8
0133_03	0 ppm	Day : 14	17	0.5	5
0133_03	0 ppm	Day : 42	19	0.4	6
0133_03	0 ppm	Day : 70	17	0.5	4
0134_03	0 ppm	Day : 3	17	0.5	4
0134_03	0 ppm	Week : 13	30	0.9	7
0134_03	0 ppm	Day : 14	19	0.6	5
0134_03	0 ppm	Day : 42	17	0.5	4
0134_03	0 ppm	Day : 70	17	0.5	2
0135_03	0 ppm	Day : 3	16	0.4	4
0135_03	0 ppm	Week : 13	21	0.8	6
0135_03	0 ppm	Day : 14	22	0.6	4
0135_03	0 ppm	Day : 42	19	0.5	5
0135_03	0 ppm	Day : 70	20	0.7	5
0136_03	0 ppm	Day : 3	13	0.5	4
0136_03	0 ppm	Week : 13	19	0.7	7
0136_03	0 ppm	Day : 14	20	0.5	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0136_03	0 ppm	Day : 42	19	0.5	7
0136_03	0 ppm	Day : 70	16	0.7	3
0137_03	0 ppm	Day : 3	14	0.5	3
0137_03	0 ppm	Week : 13	21	0.7	5
0137_03	0 ppm	Day : 14	24	0.4	4
0137_03	0 ppm	Day : 42	17	0.5	5
0137_03	0 ppm	Day : 70	14	0.6	4
0138_03	0 ppm	Day : 3	18	0.5	3
0138_03	0 ppm	Week : 13	19	0.7	4
0138_03	0 ppm	Day : 14	19	0.5	5
0138_03	0 ppm	Day : 42	20	0.5	5
0138_03	0 ppm	Day : 70	18	0.5	4
0139_03	0 ppm	Day : 3	18	0.5	5
0139_03	0 ppm	Week : 13	20	0.8	4
0139_03	0 ppm	Day : 14	19	0.5	5
0139_03	0 ppm	Day : 42	20	0.7	6
0139_03	0 ppm	Day : 70	16	0.6	5
0140_03	0 ppm	Day : 3	14	0.5	4
0140_03	0 ppm	Week : 13	20	0.9	5
0140_03	0 ppm	Day : 14	20	0.5	4
0140_03	0 ppm	Day : 42	18	0.6	5
0140_03	0 ppm	Day : 70	13	0.5	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:01

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0141_03	2 ppm	Day : 3	18	0.5	4
0141_03	2 ppm	Week : 13	21	0.9	7
0141_03	2 ppm	Day : 14	18	0.5	3
0141_03	2 ppm	Day : 42	19	0.5	
0141_03	2 ppm	Day : 70	14	0.6	5
0142_03	2 ppm	Day : 3	17	0.5	4
0142_03	2 ppm	Week : 13	20	0.8	8
0142_03	2 ppm	Day : 14	25	0.5	3
0142_03	2 ppm	Day : 42	22	0.5	6
0142_03	2 ppm	Day : 70	15	0.6	6
0143_03	2 ppm	Day : 3	16	0.5	4
0143_03	2 ppm	Week : 13	20	0.7	6
0143_03	2 ppm	Day : 14	18	0.5	5
0143_03	2 ppm	Day : 42	19	0.5	4
0143_03	2 ppm	Day : 70	19	0.6	5
0144_03	2 ppm	Day : 3	19	0.4	5
0144_03	2 ppm	Week : 13	18	0.8	5
0144_03	2 ppm	Day : 14	20	0.5	5
0144_03	2 ppm	Day : 42	15	0.5	4
0144_03	2 ppm	Day : 70	14	0.7	4
0145_03	2 ppm	Day : 3	18	0.4	5
0145_03	2 ppm	Week : 13	18	0.8	6



Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0145_03	2 ppm	Day : 14	17	0.5	3
0145_03	2 ppm	Day : 42	18	0.5	4
0145_03	2 ppm	Day : 70	17	0.6	5
0146_03	2 ppm	Day : 3	17	0.5	5
0146_03	2 ppm	Week : 13	23	0.7	4
0146_03	2 ppm	Day : 14	16	0.5	5
0146_03	2 ppm	Day : 42	23	0.6	5
0146_03	2 ppm	Day : 70	19	0.6	5
0147_03	2 ppm	Day : 3	18	0.5	4
0147_03	2 ppm	Week : 13	24	0.8	5
0147_03	2 ppm	Day : 14	20	0.5	3
0147_03	2 ppm	Day : 42	22	0.6	6
0147_03	2 ppm	Day : 70	19	0.5	4
0148_03	2 ppm	Day : 3	13	0.5	4
0148_03	2 ppm	Week : 13	20	0.8	5
0148_03	2 ppm	Day : 14	17	0.4	4
0148_03	2 ppm	Day : 42	18	0.5	6
0148_03	2 ppm	Day : 70	18	0.6	4
0149_03	2 ppm	Day : 3	17		
0149_03	2 ppm	Week : 13	24	0.9	7
0149_03	2 ppm	Day : 14	19	0.5	4
0149_03	2 ppm	Day : 42	17	0.5	5

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0149_03	2 ppm	Day : 70	16	0.6	4
0150_03	2 ppm	Day : 3	18	0.5	4
0150_03	2 ppm	Week : 13	20	0.8	4
0150_03	2 ppm	Day : 14	18	0.5	3
0150_03	2 ppm	Day : 42	25	0.7	6
0150_03	2 ppm	Day : 70	18	0.7	4
0151_03	4 ppm	Day : 3	16	0.6	2
0151_03	4 ppm	Week : 13	20	0.8	6
0151_03	4 ppm	Day : 14	21	0.5	4
0151_03	4 ppm	Day : 42	22	0.6	5
0151_03	4 ppm	Day : 70	20	0.7	6
0152_03	4 ppm	Day : 3	19	0.5	4
0152_03	4 ppm	Week : 13	23	0.9	6
0152_03	4 ppm	Day : 14	20	0.4	5
0152_03	4 ppm	Day : 42	18	0.5	5
0152_03	4 ppm	Day : 70	19	0.6	4
0153_03	4 ppm	Day : 3	17	0.5	4
0153_03	4 ppm	Week : 13	21	0.8	5
0153_03	4 ppm	Day : 14	22	0.5	4
0153_03	4 ppm	Day : 42	19	0.5	7
0153_03	4 ppm	Day : 70	16	0.7	3
0154_03	4 ppm	Day : 3	18	0.5	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0154_03	4 ppm	Week : 13	19	0.7	5
0154_03	4 ppm	Day : 14	21	0.4	4
0154_03	4 ppm	Day : 42	21	0.7	7
0154_03	4 ppm	Day : 70	21	0.7	8
0155_03	4 ppm	Day : 3	19	0.5	5
0155_03	4 ppm	Week : 13	21	0.7	5
0155_03	4 ppm	Day : 14	19	0.5	4
0155_03	4 ppm	Day : 42	24	0.5	5
0155_03	4 ppm	Day : 70	15	0.6	4
0156_03	4 ppm	Day : 3	19	0.5	4
0156_03	4 ppm	Week : 13	22	0.8	7
0156_03	4 ppm	Day : 14	17	0.6	5
0156_03	4 ppm	Day : 42	19	0.5	8
0156_03	4 ppm	Day : 70	19	0.7	7
0157_03	4 ppm	Day : 3	17	0.4	4
0157_03	4 ppm	Week : 13	23	0.7	5
0157_03	4 ppm	Day : 14	19	0.6	3
0157_03	4 ppm	Day : 42	17	0.6	6
0157_03	4 ppm	Day : 70	21	0.6	5
0158_03	4 ppm	Day : 3	17	0.6	4
0158_03	4 ppm	Week : 13	19	0.8	5
0158_03	4 ppm	Day : 14	21	0.6	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0158_03	4 ppm	Day : 42	18	0.5	6
0158_03	4 ppm	Day : 70	20	0.8	8
0159_03	4 ppm	Day : 3	17	0.6	4
0159_03	4 ppm	Week : 13	24	0.8	8
0159_03	4 ppm	Day : 14	19	0.5	5
0159_03	4 ppm	Day : 42	21	0.5	5
0159_03	4 ppm	Day : 70	18	0.6	5
0160_03	4 ppm	Day : 3	19	0.5	4
0160_03	4 ppm	Week : 13	22	0.8	6
0160_03	4 ppm	Day : 14	22	0.5	5
0160_03	4 ppm	Day : 42	21	0.5	5
0160_03	4 ppm	Day : 70	11	0.4	3
0161_03	8 ppm	Day : 3	19	0.6	5
0161_03	8 ppm	Week : 13	21	1.1	5
0161_03	8 ppm	Day : 14	18	0.5	4
0161_03	8 ppm	Day : 42	23	0.5	4
0161_03	8 ppm	Day : 70	19	0.6	4
0162_03	8 ppm	Day : 3	18	0.5	5
0162_03	8 ppm	Week : 13	18	0.7	5
0162_03	8 ppm	Day : 14	22	0.5	4
0162_03	8 ppm	Day : 42	19	0.5	8
0162_03	8 ppm	Day : 70	17	0.6	5

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0163_03	8 ppm	Day : 3	18	0.5	5
0163_03	8 ppm	Week : 13	22	0.7	6
0163_03	8 ppm	Day : 14	18	0.5	4
0163_03	8 ppm	Day : 42	19	0.7	6
0163_03	8 ppm	Day : 70	19	0.6	5
0164_03	8 ppm	Day : 3	18	0.5	5
0164_03	8 ppm	Week : 13	21	0.8	5
0164_03	8 ppm	Day : 14	19	0.5	4
0164_03	8 ppm	Day : 42	19	0.5	7
0164_03	8 ppm	Day : 70	20	0.6	4
0165_03	8 ppm	Day : 3	19	0.5	4
0165_03	8 ppm	Week : 13	19	0.8	4
0165_03	8 ppm	Day : 14	22	0.4	3
0165_03	8 ppm	Day : 42	20	0.5	7
0165_03	8 ppm	Day : 70	18	0.6	6
0166_03	8 ppm	Day : 3	17	0.5	5
0166_03	8 ppm	Week : 13	24	0.8	6
0166_03	8 ppm	Day : 14	22	0.5	3
0166_03	8 ppm	Day : 42	22	0.5	7
0166_03	8 ppm	Day : 70	21	0.6	5
0167_03	8 ppm	Day : 3	14	0.5	4
0167_03	8 ppm	Week : 13	20	0.8	5

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0167_03	8 ppm	Day : 14	21	0.5	4
0167_03	8 ppm	Day : 42	19	0.7	4
0167_03	8 ppm	Day : 70	18	0.6	5
0168_03	8 ppm	Day : 3	19	0.4	5
0168_03	8 ppm	Week : 13	17	0.8	6
0168_03	8 ppm	Day : 14	21	0.4	4
0168_03	8 ppm	Day : 42	22	0.6	11
0168_03	8 ppm	Day : 70	16	0.6	7
0169_03	8 ppm	Day : 3	18	0.6	5
0169_03	8 ppm	Week : 13	21	0.8	6
0169_03	8 ppm	Day : 14	22	0.5	4
0169_03	8 ppm	Day : 42	21	0.6	5
0169_03	8 ppm	Day : 70	21	0.7	10
0170_03	8 ppm	Day : 3	18	0.5	4
0170_03	8 ppm	Week : 13	22	0.8	4
0170_03	8 ppm	Day : 14	18	0.4	4
0170_03	8 ppm	Day : 70	14	0.7	3
0171_03	16 ppm	Day : 3	19	0.5	5
0171_03	16 ppm	Week : 13	20	0.9	5
0171_03	16 ppm	Day : 14	23	0.5	4
0171_03	16 ppm	Day : 42	18	0.6	5
0171_03	16 ppm	Day : 70	17	0.5	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0172_03	16 ppm	Day : 3	19	0.5	4
0172_03	16 ppm	Week : 13	22	0.7	4
0172_03	16 ppm	Day : 14	20	0.5	3
0172_03	16 ppm	Day : 42	23	0.5	7
0172_03	16 ppm	Day : 70	25	0.6	9
0173_03	16 ppm	Day : 3	15	0.5	4
0173_03	16 ppm	Week : 13	20	0.7	5
0173_03	16 ppm	Day : 14	23	0.4	4
0173_03	16 ppm	Day : 42	22	0.6	5
0173_03	16 ppm	Day : 70	22	0.5	5
0174_03	16 ppm	Day : 3	18	0.5	4
0174_03	16 ppm	Week : 13	18	0.7	5
0174_03	16 ppm	Day : 14	18	0.6	4
0174_03	16 ppm	Day : 42	23	0.6	6
0174_03	16 ppm	Day : 70	19	0.6	5
0175_03	16 ppm	Day : 3	20	0.5	5
0175_03	16 ppm	Week : 13	20	0.8	6
0175_03	16 ppm	Day : 14	23	0.5	3
0175_03	16 ppm	Day : 42	21	0.6	4
0175_03	16 ppm	Day : 70	23	0.5	4
0176_03	16 ppm	Day : 3	17	0.5	4
0176_03	16 ppm	Week : 13	26	0.8	5

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:02

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0176_03	16 ppm	Day : 14	19	0.5	4
0176_03	16 ppm	Day : 42	19	0.5	5
0176_03	16 ppm	Day : 70	20	0.6	5
0177_03	16 ppm	Day : 3	18	0.5	5
0177_03	16 ppm	Week : 13	20	0.9	5
0177_03	16 ppm	Day : 14	21	0.5	4
0177_03	16 ppm	Day : 42	20	0.6	3
0177_03	16 ppm	Day : 70	18	0.6	4
0178_03	16 ppm	Day : 3	16	0.5	4
0178_03	16 ppm	Week : 13	19	0.7	7
0178_03	16 ppm	Day : 14	22	0.4	4
0178_03	16 ppm	Day : 42	23	0.6	6
0178_03	16 ppm	Day : 70	16	0.5	4
0179_03	16 ppm	Day : 3	19	0.5	4
0179_03	16 ppm	Week : 13	22	0.9	4
0179_03	16 ppm	Day : 14	20	0.5	5
0179_03	16 ppm	Day : 42	18	0.5	6
0179_03	16 ppm	Day : 70	21	0.6	5
0180_03	16 ppm	Day : 3	18	0.3	4
0180_03	16 ppm	Week : 13	20	0.8	7
0180_03	16 ppm	Day : 14	21	0.4	4
0180_03	16 ppm	Day : 42	21	0.5	6



Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0180_03	16 ppm	Day : 70	19	0.6	3
0181_03	32 ppm	Day : 3	19	0.5	4
0181_03	32 ppm	Week : 13	22	0.6	5
0181_03	32 ppm	Day : 14	27	0.5	5
0181_03	32 ppm	Day : 42	24	0.5	6
0181_03	32 ppm	Day : 70	28	0.5	16
0182_03	32 ppm	Day : 3	18	0.5	4
0182_03	32 ppm	Week : 13	21	0.8	7
0182_03	32 ppm	Day : 14	20	0.5	4
0182_03	32 ppm	Day : 42	18	0.5	4
0182_03	32 ppm	Day : 70	23	0.6	19
0183_03	32 ppm	Day : 3	19	0.5	5
0183_03	32 ppm	Week : 13	33	0.9	5
0183_03	32 ppm	Day : 14	26	0.4	5
0183_03	32 ppm	Day : 42	23	0.6	5
0183_03	32 ppm	Day : 70	32	0.5	5
0184_03	32 ppm	Day : 3	16	0.5	6
0184_03	32 ppm	Week : 13	20	0.9	5
0184_03	32 ppm	Day : 14	28	0.5	4
0184_03	32 ppm	Day : 42	30	0.6	7
0184_03	32 ppm	Day : 70	29	0.5	6
0185_03	32 ppm	Day : 3	17	0.5	4

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0185_03	32 ppm	Week : 13	22	0.7	4
0185_03	32 ppm	Day : 14	21	0.4	4
0185_03	32 ppm	Day : 42	20	0.5	8
0185_03	32 ppm	Day : 70	27	0.5	7
0186_03	32 ppm	Day : 3	17	0.5	5
0186_03	32 ppm	Week : 13	25	0.9	8
0186_03	32 ppm	Day : 14	25	0.5	8
0186_03	32 ppm	Day : 42	25	0.4	8
0186_03	32 ppm	Day : 70	33	0.6	22
0187_03	32 ppm	Day : 3	20	0.5	4
0187_03	32 ppm	Week : 13	25	1.1	6
0187_03	32 ppm	Day : 14	26	0.5	5
0187_03	32 ppm	Day : 42	22	0.4	6
0187_03	32 ppm	Day : 70	26	0.4	5
0188_03	32 ppm	Day : 3	20	0.5	6
0188_03	32 ppm	Week : 13	20	0.7	5
0188_03	32 ppm	Day : 14	22	0.5	4
0188_03	32 ppm	Day : 42	21	0.4	6
0188_03	32 ppm	Day : 70	21	0.6	76
0189_03	32 ppm	Day : 3	19	0.6	6
0189_03	32 ppm	Week : 13	19	0.7	5
0189_03	32 ppm	Day : 14	23	0.5	3

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

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	Creatinine U per L	SDH IU per L
0189_03	32 ppm	Day : 42	25	0.5	5
0189_03	32 ppm	Day : 70	22	0.4	
0190_03	32 ppm	Day : 3	19	0.5	3
0190_03	32 ppm	Week : 13	40	0.8	5
0190_03	32 ppm	Day : 14	23	0.5	4
0190_03	32 ppm	Day : 42	30	0.4	4

## FEMALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0066_03	0 ppm	Week : 13	30	188	44	37
0067_03	0 ppm	Week : 13	32	174	51	51
0068_03	0 ppm	Week : 13	28	178	42	25
0069_03	0 ppm	Week : 13	28	207	47	8
0070_03	0 ppm	Week : 13	29	169	54	19
0071_03	0 ppm	Week : 13	29	220	41	10
0072_03	0 ppm	Week : 13	26	182	40	38
0073_03	0 ppm	Week : 13	28	201	43	11
0074_03	0 ppm	Week : 13	26	187	32	15
0075_03	0 ppm	Week : 13	40	205	47	19
0076_03	2 ppm	Week : 13	29	181	36	16
0077_03	2 ppm	Week : 13	30	198	57	23
0078_03	2 ppm	Week : 13	27	181	39	34
0079_03	2 ppm	Week : 13	31	163	48	39
0080_03	2 ppm	Week : 13	37	206	50	17
0081_03	2 ppm	Week : 13	31	211	48	14
0082_03	2 ppm	Week : 13	29	197	46	24
0083_03	2 ppm	Week : 13	34	183	42	18
0084_03	2 ppm	Week : 13	32	186	49	27
0085_03	2 ppm	Week : 13	34	197	52	51
0086_03	4 ppm	Week : 13	39	235	51	17
0087_03	4 ppm	Week : 13	26	203	34	7

## FEMALE

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0088_03	4 ppm	Week : 13	28	158	44	12
0089_03	4 ppm	Week : 13	27	215	47	13
0090_03	4 ppm	Week : 13	30	218	43	17
0091_03	4 ppm	Week : 13	37	179	44	28
0092_03	4 ppm	Week : 13	31	236	47	10
0093_03	4 ppm	Week : 13	32	208	58	14
0094_03	4 ppm	Week : 13	35	222	46	12
0095_03	4 ppm	Week : 13	34	206	45	16
0096_03	8 ppm	Week : 13	37	237	43	21
0097_03	8 ppm	Week : 13	30	207	40	18
0098_03	8 ppm	Week : 13	38	272	42	11
0099_03	8 ppm	Week : 13	29	252	51	8
0100_03	8 ppm	Week : 13	27	197	35	19
0101_03	8 ppm	Week : 13	35	289	50	13
0102_03	8 ppm	Week : 13	29	247	40	10
0103_03	8 ppm	Week : 13	32	200	44	36
0104_03	8 ppm	Week : 13	33	212	43	17
0105_03	8 ppm	Week : 13	28	225	42	11
0106_03	16 ppm	Week : 13	27	271	51	14
0107_03	16 ppm	Week : 13	30	296	60	10
0108_03	16 ppm	Week : 13	30	257	44	26
0109_03	16 ppm	Week : 13	29	231	53	17

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	5 Prime Nucleotidase IU per L	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g
0109_03	16 ppm	Week : 13	29	231	53	17
0110_03	16 ppm	Week : 13	27	238	51	10
0111_03	16 ppm	Week : 13	36	245	58	17
0112_03	16 ppm	Week : 13	35	226	58	21
0113_03	16 ppm	Week : 13	34	259	58	14
0114_03	16 ppm	Week : 13	37	220	74	25
0115_03	16 ppm	Week : 13	34	260	49	25
0118_03	32 ppm	Week : 13	32	288	137	77
0119_03	32 ppm	Week : 13	37	265	319	52
0120_03	32 ppm	Week : 13	32	243	322	77
0121_03	32 ppm	Week : 13	34	235	95	60
0122_03	32 ppm	Week : 13	35	317	104	86
0123_03	32 ppm	Week : 13	43	150	327	62
0124_03	32 ppm	Week : 13	37	254	152	16
0125_03	32 ppm	Week : 13	39	292	178	31

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

## P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

## FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0066_03	0 ppm	Week : 13	27	0.7	4
0067_03	0 ppm	Week : 13	18	0.6	5
0068_03	0 ppm	Week : 13	21	0.6	4
0069_03	0 ppm	Week : 13	21	0.5	6
0070_03	0 ppm	Week : 13	19	0.6	1
0071_03	0 ppm	Week : 13	18	0.6	5
0072_03	0 ppm	Week : 13	21	0.5	5
0073_03	0 ppm	Week : 13	18	0.5	7
0074_03	0 ppm	Week : 13	16	0.6	8
0075_03	0 ppm	Week : 13	21	0.8	6
0076_03	2 ppm	Week : 13	21	0.6	3
0077_03	2 ppm	Week : 13	24	0.7	12
0078_03	2 ppm	Week : 13	23	0.7	5
0079_03	2 ppm	Week : 13	21	0.7	4
0080_03	2 ppm	Week : 13	26	0.6	4
0081_03	2 ppm	Week : 13	24	0.6	7
0082_03	2 ppm	Week : 13	22	0.5	8
0083_03	2 ppm	Week : 13	20	0.7	3
0084_03	2 ppm	Week : 13	21	0.6	7
0085_03	2 ppm	Week : 13	22	0.6	5
0086_03	4 ppm	Week : 13	20	0.7	4
0087_03	4 ppm	Week : 13	20	0.6	5

Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

FEMALE

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0088_03	4 ppm	Week : 13	19	0.6	4
0089_03	4 ppm	Week : 13	19	0.6	5
0090_03	4 ppm	Week : 13	21	0.6	7
0091_03	4 ppm	Week : 13	22	0.6	4
0092_03	4 ppm	Week : 13	21	0.5	4
0093_03	4 ppm	Week : 13	23	0.5	6
0094_03	4 ppm	Week : 13	19	0.6	11
0095_03	4 ppm	Week : 13	19	0.6	4
0096_03	8 ppm	Week : 13	20	0.7	1
0097_03	8 ppm	Week : 13	24	0.6	3
0098_03	8 ppm	Week : 13	22	0.7	4
0099_03	8 ppm	Week : 13	25	0.6	5
0100_03	8 ppm	Week : 13	18	0.6	5
0101_03	8 ppm	Week : 13	24	0.6	3
0102_03	8 ppm	Week : 13	20	0.5	6
0103_03	8 ppm	Week : 13	20	0.5	4
0104_03	8 ppm	Week : 13	23	0.6	4
0105_03	8 ppm	Week : 13	22	0.6	8
0106_03	16 ppm	Week : 13	21	0.6	6
0107_03	16 ppm	Week : 13	20	0.6	5
0108_03	16 ppm	Week : 13	20	0.5	4
0109_03	16 ppm	Week : 13	23	0.6	4



Experiment Number: 05196-03

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:35:03

First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	BUN mg per dL	Creatinine U per L	SDH IU per L
0110_03	16 ppm	Week : 13	21	0.5	4
0111_03	16 ppm	Week : 13	20	0.5	6
0112_03	16 ppm	Week : 13	20	0.6	5
0113_03	16 ppm	Week : 13	19	0.5	5
0114_03	16 ppm	Week : 13	20	0.5	9
0115_03	16 ppm	Week : 13	22	0.6	5
0118_03	32 ppm	Week : 13	41	0.5	6
0119_03	32 ppm	Week : 13	44	0.4	13
0120_03	32 ppm	Week : 13	41	0.5	16
0121_03	32 ppm	Week : 13	34	0.6	5
0122_03	32 ppm	Week : 13	25	0.4	7
0123_03	32 ppm	Week : 13	150*	0.9	10
0124_03	32 ppm	Week : 13	30	0.5	6
0125_03	32 ppm	Week : 13	41	0.5	5

\*\* END OF REPORT \*\*