

**Experiment Number:** 03038 - 03  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

**CAS Number:** 10213-10-2

**Date Report Requested:** 05/25/2016

**Time Report Requested:** 14:53:00

**First Dose M/F:** 01/30/12 / 01/31/12

**Lab:** BAT

**NTP Study Number:** C03038  
**Lock Date:** 05/25/2016  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L male	7	13	08/03/12	07:05	187	27	426.7		NATD	Unremarkable
	22	43	08/05/12	19:11	189	27	543.2		NATD	Unremarkable
	1	2	04/18/13	09:31	445	64	349.1		MSAC	Lethargic Mass Torso/Dorsal Small (1mm-5mm) 1 Ruffled Fur Thin
	13	25	04/23/13	14:09	450	65	552.9		NATD	Unremarkable
	12	24	04/29/13	12:30	456	66	479.8		MSAC	Lethargic Mass Head Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	24	48	05/25/13	12:33	482	69	434.9		NATD	Nasal/Eye Discharge Ruffled Fur Thin
	14	27	06/05/13	07:11	493	71	381.1		NATD	Ruffled Fur
	16	31	06/13/13	12:50	501	72	447.1		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	17	34	08/02/13	14:14	551	79	334.7		MSAC	Abnormal Breathing Ataxia Lethargic Thin
	19	38	08/19/13	12:40	568	82	569.6		MSAC	Nasal/Eye Discharge Paralysis
	15	30	08/22/13	10:08	571	82	274.6		MSAC	Lethargic Ruffled Fur Thin
	23	46	08/25/13	06:57	574	82	458.5		NATD	Unremarkable
	25	50	08/26/13	09:14	575	83	583.8		NATD	Ruffled Fur
	21	42	09/08/13	14:14	588	84	417.9		MSAC	Abnormal Breathing Lethargic Ruffled Fur
	10	20	09/13/13	14:08	593	85	391.3		NATD	Nasal/Eye Discharge Ruffled Fur
	6	11	09/20/13	10:12	600	86	341.5		MSAC	Lethargic

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## MALE

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0mg/L male	17	33	10/04/13	10:23	614	88	450.8		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	4	8	10/05/13	07:07	615	88	618.8		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	1	1	10/09/13	07:46	619	89	395.7		NATD	Lethargic Nasal/Eye Discharge Ruffled Fur
	14	28	10/22/13	08:01	632	91	535.0		NATD	Ruffled Fur
	20	39	10/26/13	14:08	636	91	393.6		NATD	Unremarkable
	16	32	10/29/13	13:40	639	92	351.4		MSAC	Lethargic Ruffled Fur
	3	6	11/05/13	07:47	646	93	408.8		NATD	Ruffled Fur
	11	22	11/07/13	07:00	648	93	303.7		NATD	Unremarkable
	11	21	11/11/13	07:04	652	94	345.1		NATD	Unremarkable
	6	12	11/11/13	13:30	652	94	519.9		MSAC	Head Tilt Lethargic Ruffled Fur
	15	29	11/11/13	13:30	652	94	391.9		MSAC	Ulcer/Abscess Torso/Lateral 1 Head Tilt Ruffled Fur
	18	35	11/13/13	14:24	654	94	489.5		NATD	Unremarkable
	21	41	11/18/13	13:00	659	95	372.4		MSAC	Abnormal Breathing Lethargic Ruffled Fur
	13	26	11/20/13	07:19	661	95	571.8		NATD	Thin Unremarkable
	8	16	11/25/13	10:28	666	96	551.9		NATD	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge
	2	4	12/02/13	11:14	673	97	378.9		NATD	Unremarkable
	8	15	12/06/13	08:56	677	97	390.3		NATD	Nasal/Eye Discharge
	25	49	12/11/13	07:24	682	98	503.4		NATD	Nasal/Eye Discharge
	20	40	12/14/13	12:49	685	98	567.3		MSAC	Head Tilt Nasal/Eye Discharge

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**ANIMAL REMOVALS CHRONOLOGICALLY****MALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L male	2	3	12/19/13	12:46	690	99	356.8		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	5	10	12/20/13	07:11	691	99	401.6		NATD	Ruffled Fur Thin
	10	19	01/20/14	10:45	722	104	715.9		MSAC	Ulcer/Abscess Torso/Dorsal 1 Abnormal Breathing Impaired Gait Lethargic Ruffled Fur
	3	5	01/27/14	07:06	729	105	522.4		TSAC	Unremarkable
	5	9	01/27/14	07:08	729	105	698.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge
	9	17	01/27/14	07:09	729	105	577.5		TSAC	Nasal/Eye Discharge
	9	18	01/27/14	07:10	729	105	622.8		TSAC	Unremarkable
	22	44	01/27/14	07:11	729	105	527.2		TSAC	Unremarkable
	23	45	01/27/14	07:12	729	105	665.0		TSAC	Unremarkable
	4	7	01/28/14	07:03	730	105	469.7		TSAC	Unremarkable
	7	14	01/28/14	07:03	730	105	559.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	12	23	01/28/14	07:04	730	105	580.2		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 2
	18	36	01/28/14	07:05	730	105	609.3		TSAC	Unremarkable
	19	37	01/28/14	07:05	730	105	621.3		TSAC	Unremarkable
	24	47	01/28/14	07:07	730	105	611.6		TSAC	Unremarkable

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250mg/L male	48	96	07/03/12	10:21	156	23	312.8		MSAC	Abnormal Breathing Eye Abnormality Lethargic Ruffled Fur
	46	92	01/11/13	12:10	348	50	407.9		MSAC	Diarrhea Lethargic Ruffled Fur Thin
	28	55	01/21/13	13:00	358	52	484.0		MSAC	Nasal/Eye Discharge Paralysis Ruffled Fur
	29	58	04/01/13	10:12	428	62	644.0		NATD	Unremarkable
	37	73	05/03/13	09:51	460	66	459.7		MSAC	Abnormal Breathing Diarrhea Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	41	81	08/01/13	14:04	550	79	356.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	47	93	08/08/13	13:40	557	80	612.6		NATD	Ulcer/Abscess Torso/Lateral 1
	36	72	08/27/13	11:14	576	83	345.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	46	91	08/27/13	11:14	576	83	452.4		MSAC	Abnormal Breathing Nasal/Eye Discharge Ruffled Fur Thin
	29	57	09/03/13	13:48	583	84	386.3		MSAC	Abnormal Breathing Eye Abnormality Lethargic Nasal/Eye Discharge Ruffled Fur

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250mg/L male	34	67	09/05/13	07:37	585	84	512.6		NATD	Unremarkable
	30	60	09/20/13	10:13	600	86	333.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	35	69	10/11/13	09:23	621	89	339.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	26	51	11/25/13	10:30	666	96	421.8		NATD	Unremarkable
	42	83	11/29/13	07:26	670	96	299.2		NATD	Thin
	42	84	12/01/13	07:09	672	96	609.7		NATD	Unremarkable
	26	52	12/05/13	10:31	676	97	399.9		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	39	77	12/06/13	10:17	677	97	463.3		MSAC	Mass Appendage Large (16mm And Larger) 1 Ruffled Fur Thin
	36	71	12/09/13	07:20	680	98	828.4		NATD	Mass Torso/Lateral Large (16mm And Larger) 1
	30	59	12/12/13	07:14	683	98	528.2		NATD	Nasal/Eye Discharge
	48	95	12/14/13	12:51	685	98	370.3		MSAC	Abnormal Breathing Lethargic Mass Torso/Lateral Small (1mm-5mm) 1 Ruffled Fur Thin
	38	75	12/16/13	07:39	687	99	642.5		NATD	Ulcer/Abscess Torso/Ventral 1 Mass Torso/Lateral Large (16mm And Larger) 1
	31	61	12/19/13	12:45	690	99	298.5		MSAC	Hindlimb Splay Lethargic Ruffled Fur Thin
	40	79	12/23/13	07:18	694	100	397.1		NATD	Thin
	32	63	01/27/14	07:13	729	105	637.4		TSAC	Unremarkable
	32	64	01/27/14	07:14	729	105	602.9		TSAC	Ulcer/Abscess Torso/Lateral 1
	33	65	01/27/14	07:16	729	105	462.7		TSAC	Unremarkable

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250mg/L male	33	66	01/27/14	07:17	729	105	600.8		TSAC	Unremarkable
	34	68	01/27/14	07:18	729	105	511.0		TSAC	Nasal/Eye Discharge Ulcer/Abscess Head 1
	37	74	01/27/14	07:19	729	105	438.5		TSAC	Nasal/Eye Discharge
	39	78	01/27/14	07:20	729	105	591.2		TSAC	Nasal/Eye Discharge
	40	80	01/27/14	07:21	729	105	715.1		TSAC	Nasal/Eye Discharge
	41	82	01/27/14	07:22	729	105	554.8		TSAC	Unremarkable
	49	97	01/27/14	07:29	729	105	553.5		TSAC	Nasal/Eye Discharge
	49	98	01/27/14	07:30	729	105	495.0		TSAC	Nasal/Eye Discharge
	43	85	01/27/14	07:47	729	105	600.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge
	43	86	01/27/14	07:47	729	105	687.2		TSAC	Mass Torso/Ventral Small (1mm-5mm) 1 Nasal/Eye Discharge Ulcer/Abscess Torso/Ventral 1
	27	53	01/28/14	07:08	730	105	574.7		TSAC	Nasal/Eye Discharge
	27	54	01/28/14	07:08	730	105	681.7		TSAC	Unremarkable
	28	56	01/28/14	07:08	730	105	425.3		TSAC	Nasal/Eye Discharge
	31	62	01/28/14	07:09	730	105	560.7		TSAC	Nasal/Eye Discharge
	35	70	01/28/14	07:10	730	105	605.8		TSAC	Unremarkable
	38	76	01/28/14	07:10	730	105	521.6		TSAC	Nasal/Eye Discharge
	44	87	01/28/14	07:11	730	105	406.7		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	44	88	01/28/14	07:11	730	105	456.2		TSAC	Nasal/Eye Discharge
	45	89	01/28/14	07:12	730	105	564.1		TSAC	Nasal/Eye Discharge
	45	90	01/28/14	07:13	730	105	558.0		TSAC	Mass Torso/Dorsal Medium (6mm-15mm) 1
47	94	01/28/14	07:13	730	105	533.9		TSAC	Unremarkable	
50	99	01/28/14	07:14	730	105	495.4		TSAC	Nasal/Eye Discharge	
50	100	01/28/14	07:14	730	105	431.4		TSAC	Nasal/Eye Discharge Ruffled Fur	

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500mg/L male	67	134	12/07/12	07:10	313	45	532.9		NATD	Unremarkable
	64	128	02/05/13	07:30	373	54	548.6		NATD	Unremarkable
	54	107	05/20/13	14:19	477	69	546.6		NATD	Unremarkable
	73	146	06/03/13	10:57	491	71	381.6		NATD	Unremarkable
	71	141	06/29/13	07:25	517	74	588.1		NATD	Nasal/Eye Discharge
	56	111	08/26/13	13:30	575	83	374.8		MSAC	Eye Abnormality Nasal/Eye Discharge Ruffled Fur Thin
	56	112	08/29/13	07:33	578	83	410.1		NATD	Unremarkable
	63	126	09/23/13	14:07	603	87	309.6		MSAC	Eye Abnormality Nasal/Eye Discharge Ruffled Fur Thin
	66	132	09/25/13	07:18	605	87	664.3		NATD	Unremarkable
	70	140	10/01/13	11:24	611	88	307.1		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	69	138	10/17/13	07:45	627	90	466.4		NATD	Unremarkable
	59	118	10/22/13	14:23	632	91	319.4		MSAC	Eye Abnormality Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	60	119	11/01/13	07:52	642	92	553.1		NATD	Nasal/Eye Discharge
	71	142	11/05/13	07:43	646	93	431.0		NATD	Ruffled Fur
	67	133	11/07/13	11:45	648	93	277.3		MSAC	Lethargic Ruffled Fur
	61	121	11/25/13	07:45	666	96	519.5		NATD	Unremarkable
	62	124	12/02/13	11:14	673	97	658.8		NATD	Unremarkable
	52	103	12/11/13	14:21	682	98	295.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	65	129	12/17/13	14:21	688	99	316.3		MSAC	Ataxia Impaired Gait Nasal/Eye Discharge Thin



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500mg/L male	75	149	12/23/13	12:25	694	100	350.1		MSAC	Abnormal Breathing Nasal/Eye Discharge Ruffled Fur Thin
	51	101	12/27/13	10:33	698	100	538.1		MSAC	Abnormal Breathing Lethargic Ruffled Fur
	58	116	01/11/14	14:23	713	102	491.7		NATD	Unremarkable
	74	147	01/15/14	07:15	717	103	374.7		NATD	Unremarkable
	55	110	01/17/14	07:28	719	103	474.9		NATD	Nasal/Eye Discharge Ruffled Fur
	68	135	01/20/14	10:40	722	104	593.9		MSAC	Mass Head Large (16mm And Larger) 1 Nasal/Eye Discharge Ulcer/Abscess Head 1
	61	122	01/23/14	08:27	725	104	449.3		MSAC	Abnormal Breathing Lethargic Nasal/Eye Discharge Ruffled Fur
	52	104	01/27/14	07:30	729	105	605.4		TSAC	Nasal/Eye Discharge
	53	105	01/27/14	07:31	729	105	833.4		TSAC	Unremarkable
	53	106	01/27/14	07:32	729	105	613.3		TSAC	Nasal/Eye Discharge
	57	113	01/27/14	07:32	729	105	548.4		TSAC	Unremarkable
	57	114	01/27/14	07:33	729	105	495.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur
	59	117	01/27/14	07:34	729	105	640.9		TSAC	Nasal/Eye Discharge
	65	130	01/27/14	07:34	729	105	511.9		TSAC	Mass Head Small (1mm-5mm) 1
	66	131	01/27/14	07:36	729	105	487.7		TSAC	Nasal/Eye Discharge
	68	136	01/27/14	07:37	729	105	716.5		TSAC	Nasal/Eye Discharge
	69	137	01/27/14	07:37	729	105	555.9		TSAC	Unremarkable
	75	150	01/27/14	07:38	729	105	574.3		TSAC	Unremarkable
	51	102	01/28/14	07:15	730	105	555.1		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	54	108	01/28/14	07:17	730	105	536.3		TSAC	Mass Head Medium (6mm-15mm) 1 Nasal/Eye Discharge

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500mg/L male	55	109	01/28/14	07:18	730	105	546.7		TSAC	Ulcer/Abscess Appendage 1
	58	115	01/28/14	07:19	730	105	331.4		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	60	120	01/28/14	07:20	730	105	555.0		TSAC	Nasal/Eye Discharge
	62	123	01/28/14	07:20	730	105	544.5		TSAC	Nasal/Eye Discharge
	63	125	01/28/14	07:21	730	105	571.8		TSAC	Ulcer/Abscess Appendage 1
	64	127	01/28/14	07:22	730	105	523.0		TSAC	Nasal/Eye Discharge Ruffled Fur
	70	139	01/28/14	07:22	730	105	491.6		TSAC	Unremarkable
	72	143	01/28/14	07:23	730	105	270.8		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	72	144	01/28/14	07:24	730	105	466.8		NATD	Nasal/Eye Discharge
	73	145	01/28/14	07:25	730	105	612.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	74	148	01/28/14	07:27	730	105	643.5		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 2

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## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
1000mg/L male	94	187	02/02/12	10:35	4	1	19.4		NATD	Unremarkable
	89	177	12/23/12	14:22	329	47	477.3		NATD	Unremarkable
	77	153	01/14/13	07:28	351	51	597.2		NATD	Unremarkable
	96	192	04/09/13	07:45	436	63	564.9		NATD	Unremarkable
	82	164	05/10/13	07:31	467	67	530.4		NATD	Unremarkable
	95	190	08/17/13	06:52	566	81	547.0		NATD	Unremarkable
	87	173	09/01/13	07:20	581	83	388.7		NATD	Ruffled Fur Thin
	88	176	09/08/13	06:46	588	84	562.0		NATD	Unremarkable
	81	161	09/22/13	07:41	602	86	511.6		NATD	Nasal/Eye Discharge
	86	171	09/30/13	07:09	610	88	596.9		NATD	Unremarkable
	87	174	10/03/13	11:50	613	88	311.2		MSAC	Lethargic Ruffled Fur Thin
	89	178	10/06/13	14:50	616	88	356.0		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	96	191	10/06/13	14:53	616	88	305.4		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	78	156	10/07/13	10:57	617	89	415.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	100	199	11/11/13	08:42	652	94	454.4		NATD	Unremarkable
	90	180	11/25/13	10:26	666	96	525.6		MSAC	Abnormal Breathing Lethargic Nasal/Eye Discharge
	76	152	12/02/13	11:14	673	97	246.6		MSAC	Impaired Gait Lethargic Ruffled Fur Thin
	93	186	12/08/13	06:55	679	97	546.5		NATD	Unremarkable
	76	151	12/11/13	14:24	682	98	297.3		MSAC	Lethargic Ruffled Fur Thin
	100	200	12/14/13	13:00	685	98	347.3		MSAC	Lethargic

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
1000mg/L male										Nasal/Eye Discharge Ruffled Fur Thin
	99	198	12/26/13	07:19	697	100	485.9		NATD	Unremarkable
	78	155	01/27/14	07:38	729	105	457.6		TSAC	Nasal/Eye Discharge
	82	163	01/27/14	07:39	729	105	562.3		TSAC	Unremarkable
	83	165	01/27/14	07:40	729	105	611.6		TSAC	Nasal/Eye Discharge Ruffled Fur
	83	166	01/27/14	07:40	729	105	571.1		TSAC	Unremarkable
	85	169	01/27/14	07:41	729	105	535.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	85	170	01/27/14	07:41	729	105	670.8		TSAC	Nasal/Eye Discharge
	86	172	01/27/14	07:42	729	105	502.3		TSAC	Nasal/Eye Discharge Ruffled Fur
	88	175	01/27/14	07:42	729	105	455.4		TSAC	Nasal/Eye Discharge
	90	179	01/27/14	07:43	729	105	533.6		TSAC	Unremarkable
	92	183	01/27/14	07:44	729	105	651.7		TSAC	Ulcer/Abscess Torso/Ventral 1
	92	184	01/27/14	07:44	729	105	634.7		TSAC	Unremarkable
	93	185	01/27/14	07:45	729	105	723.9		TSAC	Ulcer/Abscess Torso/Lateral 2
	98	195	01/27/14	07:46	729	105	306.3		TSAC	Mass Torso/Dorsal Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur Thin
	98	196	01/27/14	07:46	729	105	569.7		TSAC	Unremarkable
	77	154	01/28/14	07:28	730	105	492.3		TSAC	Unremarkable
	79	157	01/28/14	07:28	730	105	640.5		TSAC	Unremarkable
	79	158	01/28/14	07:29	730	105	595.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	80	159	01/28/14	07:30	730	105	462.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	80	160	01/28/14	07:30	730	105	448.3		TSAC	Nasal/Eye Discharge
	81	162	01/28/14	07:32	730	105	539.1		TSAC	Ulcer/Abscess Appendage 5
	84	167	01/28/14	07:33	730	105	584.7		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	84	168	01/28/14	07:34	730	105	637.3		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	91	181	01/28/14	07:34	730	105	546.8		TSAC	Unremarkable
	91	182	01/28/14	07:35	730	105	538.2		TSAC	Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**MALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L male</b>	94	188	01/28/14	07:36	730	105	647.4		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur
	95	189	01/28/14	07:37	730	105	510.8		TSAC	Unremarkable
	97	193	01/28/14	07:38	730	105	508.7		TSAC	Ulcer/Abscess Head 1
	97	194	01/28/14	07:38	730	105	492.2		TSAC	Unremarkable
	99	197	01/28/14	07:39	730	105	609.4		TSAC	Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L female	101	203	11/11/12	06:48	286	41	293.5		NATD	Unremarkable
	105	222	01/08/13	11:16	344	50	250.2		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Thin
	104	220	02/20/13	07:21	387	56	317.2		NATD	Unremarkable
	110	249	06/07/13	13:04	494	71	481.9		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	103	212	06/15/13	14:20	502	72	277.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	110	247	06/17/13	09:58	504	72	587.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	109	244	07/06/13	06:58	523	75	404.0		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	103	213	08/02/13	14:19	550	79	577.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	107	231	08/19/13	12:40	567	81	499.3		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	109	242	10/01/13	11:02	610	88	419.7		NATD	Mass Torso/Ventral Large (16mm And Larger) 2 Ruffled Fur
	109	243	10/03/13	13:24	612	88	306.3		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	108	237	10/10/13	14:24	619	89	401.3		NATD	Mass Torso/Ventral Large (16mm And Larger) 2
	105	225	10/15/13	07:38	624	90	410.8		MSAC	Head Tilt Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	101	204	11/12/13	11:14	652	94	609.2		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	107	234	12/06/13	10:23	676	97	321.8		MSAC	Ulcer/Abscess Torso/Ventral 3 Lethargic

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L female	110	246	12/06/13	10:29	676	97	326.1		MSAC	Nasal/Eye Discharge Ruffled Fur Thin Mass Torso/Ventral Medium (6mm-15mm) 1
	101	201	12/25/13	07:18	695	100	397.3		NATD	Unremarkable
	101	202	01/07/14	11:30	708	102	274.6		MSAC	Head Tilt Mass Torso/Ventral Large (16mm And Larger) 1
	103	211	01/10/14	06:55	711	102	410.5		NATD	Thin Mass Torso/Lateral Large (16mm And Larger) 1
	104	218	01/10/14	12:30	711	102	226.7		MSAC	Ruffled Fur Lethargic Mass Torso/Lateral Large (16mm And Larger) 1
	102	206	01/29/14	07:11	730	105	386.0		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	102	207	01/29/14	07:12	730	105	430.1		TSAC	Unremarkable
	102	208	01/29/14	07:13	730	105	421.7		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	102	209	01/29/14	07:13	730	105	485.0		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	102	210	01/29/14	07:14	730	105	299.0		TSAC	Unremarkable
	107	232	01/29/14	07:14	730	105	345.7		TSAC	Unremarkable
	107	233	01/29/14	07:15	730	105	438.9		TSAC	Unremarkable
	107	235	01/29/14	07:15	730	105	400.4		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	110	248	01/29/14	07:17	730	105	638.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	110	250	01/29/14	07:17	730	105	407.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 3
	101	205	01/30/14	07:03	731	105	495.8		TSAC	Unremarkable
	103	214	01/30/14	07:04	731	105	348.6		TSAC	Unremarkable
	103	215	01/30/14	07:05	731	105	390.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	104	216	01/30/14	07:06	731	105	374.7		TSAC	Unremarkable
	104	217	01/30/14	07:07	731	105	433.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	104	219	01/30/14	07:07	731	105	366.1		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	108	236	01/30/14	07:10	731	105	449.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Ventral Large (16mm And Larger) 2
	108	238	01/30/14	07:10	731	105	368.8		TSAC	Ulcer/Abscess Torso/Dorsal 1
108	239	01/30/14	07:11	731	105	372.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Unremarkable	

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>0mg/L female</b>	108	240	01/30/14	07:11	731	105	361.2		TSAC	Unremarkable
	109	241	01/30/14	07:12	731	105	424.6		TSAC	Unremarkable
	109	245	01/30/14	07:13	731	105	431.4		TSAC	Unremarkable
	105	221	01/31/14	07:06	732	105	342.2		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	105	223	01/31/14	07:07	732	105	586.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	105	224	01/31/14	07:07	732	105	433.8		TSAC	Unremarkable
	106	226	01/31/14	07:09	732	105	436.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	106	227	01/31/14	07:10	732	105	375.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	106	228	01/31/14	07:11	732	105	350.6		TSAC	Unremarkable
	106	229	01/31/14	07:11	732	105	319.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	106	230	01/31/14	07:12	732	105	331.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1



Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L female	112	258	11/25/12	07:14	300	43	319.8		NATD	Nasal/Eye Discharge
	116	278	02/25/13	12:51	392	56	328.2		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	114	267	03/08/13	07:28	403	58	364.2		NATD	Mass Torso/Dorsal Large (16mm And Larger) 1
	118	289	07/22/13	11:58	539	77	312.6		MSAC	Abnormal Breathing Lethargic Ruffled Fur Thin
	112	256	08/08/13	07:24	556	80	281.3		NATD	Nasal/Eye Discharge
	116	277	10/11/13	14:12	620	89	598.6		NATD	Mass Torso/Lateral Large (16mm And Larger) 1
	112	260	10/21/13	12:50	630	90	216.4		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	112	259	10/29/13	13:40	638	92	373.2		MSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Mass Torso/Lateral Large (16mm And Larger) 1
	114	269	10/29/13	13:40	638	92	443.8		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur
	117	283	11/05/13	13:24	645	93	274.1		MSAC	Eye Abnormality Head Tilt Lethargic Ruffled Fur
	118	288	11/12/13	11:14	652	94	648.6		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	113	265	12/16/13	14:09	686	98	306.3		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	114	270	12/31/13	07:23	701	101	289.2		NATD	Mass Torso/Ventral Small (1mm-5mm) 1
	113	264	12/31/13	10:17	701	101	657.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	112	257	01/03/14	14:22	704	101	518.4		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	117	285	01/18/14	07:19	719	103	371.7		NATD	Unremarkable
	118	290	01/20/14	10:35	721	103	251.8		MSAC	Abnormal Breathing Lethargic

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L female										Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	114	266	01/29/14	07:18	730	105	402.8		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	114	268	01/29/14	07:19	730	105	470.3		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	116	276	01/29/14	07:19	730	105	382.1		TSAC	Unremarkable
	116	279	01/29/14	07:20	730	105	520.3		TSAC	Unremarkable
	116	280	01/29/14	07:20	730	105	523.4		TSAC	Unremarkable
	120	296	01/29/14	07:21	730	105	456.5		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	120	297	01/29/14	07:22	730	105	351.2		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	120	298	01/29/14	07:22	730	105	395.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	120	299	01/29/14	07:23	730	105	323.7		TSAC	Ulcer/Abscess Torso/Ventral 1
	120	300	01/29/14	07:23	730	105	348.7		TSAC	Unremarkable
	111	251	01/30/14	07:13	731	105	428.5		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1
	111	252	01/30/14	07:15	731	105	525.0		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	111	253	01/30/14	07:16	731	105	445.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	111	254	01/30/14	07:16	731	105	414.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	111	255	01/30/14	07:17	731	105	326.4		TSAC	Unremarkable
	117	281	01/30/14	07:17	731	105	300.9		TSAC	Unremarkable
	117	282	01/30/14	07:18	731	105	414.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Thin
	117	284	01/30/14	07:19	731	105	352.1		TSAC	Unremarkable
	118	286	01/30/14	07:19	731	105	380.9		TSAC	Unremarkable
	118	287	01/30/14	07:20	731	105	345.6		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	113	261	01/31/14	07:13	732	105	307.4		TSAC	Ruffled Fur
	113	262	01/31/14	07:13	732	105	308.3		TSAC	Nasal/Eye Discharge Ruffled Fur
	113	263	01/31/14	07:14	732	105	384.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	115	271	01/31/14	07:15	732	105	256.3		TSAC	Unremarkable
	115	272	01/31/14	07:15	732	105	420.3		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	115	273	01/31/14	07:15	732	105	410.5		TSAC	Unremarkable
	115	274	01/31/14	07:16	732	105	396.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	115	275	01/31/14	07:17	732	105	721.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	119	291	01/31/14	07:17	732	105	313.7		TSAC	Nasal/Eye Discharge
	119	292	01/31/14	07:18	732	105	481.7		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	119	293	01/31/14	07:18	732	105	343.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
119	294	01/31/14	07:19	732	105	504.5		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1	

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>250mg/L female</b>	119	295	01/31/14	07:19	732	105	341.7		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>500mg/L female</b>	122	307	10/26/12	09:25	270	39	281.0		MSAC	Abnormal Breathing Lethargic
	122	310	11/13/12	09:10	288	42	275.5		MSAC	Lethargic Ruffled Fur
	129	341	03/25/13	13:06	420	60	298.3		MSAC	Lethargic Ruffled Fur
	125	325	04/30/13	14:10	456	66	296.1		MSAC	Ruffled Fur
	121	303	05/07/13	07:24	463	67	317.9		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	127	333	06/13/13	12:50	500	72	269.4		MSAC	Lethargic Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	125	321	07/02/13	06:39	519	75	400.0		NATD	Mass Torso/Lateral Large (16mm And Larger) 1
	124	317	07/12/13	13:04	529	76	543.1		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	123	311	09/04/13	14:20	583	84	645.6		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	129	343	09/06/13	13:16	585	84	239.1		MSAC	Mass Head Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur Thin
	122	306	09/09/13	13:24	588	84	563.3		MSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Mass Torso/Ventral Medium (6mm-15mm) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	124	319	09/13/13	12:58	592	85	588.4		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	126	326	09/13/13	12:58	592	85	580.2		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L female	126	330	11/02/13	06:50	642	92	228.7		NATD	Unremarkable
	121	305	11/11/13	14:21	651	93	264.9		NATD	Mass Torso/Ventral Medium (6mm-15mm) 1
	130	348	12/05/13	10:25	675	97	464.2		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	129	342	12/06/13	10:35	676	97	685.1		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	127	334	01/15/14	07:49	716	103	328.4		NATD	Thin
	122	309	01/15/14	11:51	716	103	580.4		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Thin
	122	308	01/29/14	07:24	730	105	381.7		TSAC	Unremarkable
	123	312	01/29/14	07:24	730	105	298.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	123	313	01/29/14	07:25	730	105	359.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	123	314	01/29/14	07:25	730	105	353.4		TSAC	Mass Torso/Lateral Large (16mm And Larger) 2
	123	315	01/29/14	07:26	730	105	366.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	124	316	01/29/14	07:26	730	105	450.5		TSAC	Unremarkable
	124	318	01/29/14	07:27	730	105	472.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	124	320	01/29/14	07:27	730	105	313.1		TSAC	Unremarkable
	130	346	01/29/14	07:28	730	105	387.6		TSAC	Unremarkable
	130	347	01/29/14	07:28	730	105	531.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	130	349	01/29/14	07:29	730	105	292.4		TSAC	Unremarkable
	130	350	01/29/14	07:29	730	105	397.4		TSAC	Unremarkable
	121	301	01/30/14	07:20	731	105	447.5		TSAC	Unremarkable
	121	302	01/30/14	07:21	731	105	351.3		TSAC	Unremarkable
	121	304	01/30/14	07:22	731	105	378.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Ruffled Fur
	127	331	01/30/14	07:23	731	105	294.4		TSAC	Nasal/Eye Discharge Ruffled Fur
	127	332	01/30/14	07:23	731	105	384.2		TSAC	Unremarkable
	127	335	01/30/14	07:24	731	105	384.2		TSAC	Unremarkable
	129	344	01/30/14	07:24	731	105	291.5		TSAC	Unremarkable
	129	345	01/30/14	07:25	731	105	339.6		TSAC	Unremarkable
	125	322	01/31/14	07:20	732	105	360.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	125	323	01/31/14	07:20	732	105	393.7		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>500mg/L female</b>	125	324	01/31/14	07:20	732	105	412.6		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Mass Torso/Lateral Large (16mm And Larger) 1
	126	327	01/31/14	07:21	732	105	391.1		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1
	126	328	01/31/14	07:21	732	105	301.3		TSAC	Nasal/Eye Discharge
	126	329	01/31/14	07:22	732	105	364.8		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	128	336	01/31/14	07:22	732	105	364.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	337	01/31/14	07:23	732	105	362.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	338	01/31/14	07:23	732	105	371.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	339	01/31/14	07:23	732	105	269.8		TSAC	Nasal/Eye Discharge Ruffled Fur
	128	340	01/31/14	07:24	732	105	333.5		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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## ANIMAL REMOVALS CHRONOLOGICALLY

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
1000mg/L female	136	380	08/17/12	07:03	200	29	221.9		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	133	363	03/18/13	12:50	413	59	439.6		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	140	400	04/28/13	07:47	454	65	281.7		NATD	Unremarkable
	137	381	05/22/13	14:37	478	69	300.9		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	135	375	06/24/13	14:18	511	73	277.5		MSAC	Lethargic Ruffled Fur Thin
	138	389	07/01/13	07:25	518	74	283.3		NATD	Unremarkable
	134	370	08/05/13	13:01	553	79	580.5		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur
	140	398	09/04/13	07:05	583	84	217.7		NATD	Nasal/Eye Discharge Ruffled Fur Thin
	133	362	09/22/13	10:24	601	86	378.0		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	136	377	10/15/13	10:58	624	90	194.9		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	140	397	11/02/13	11:51	642	92	475.4		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur
	138	388	11/12/13	08:03	652	94	611.2		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	132	357	11/18/13	06:18	658	94	277.1		NATD	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	134	366	12/06/13	10:40	676	97	209.3		MSAC	Ulcer/Abscess Torso/Lateral 1 Lethargic

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

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Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

ANIMAL REMOVALS CHRONOLOGICALLY

FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L female</b>										
										Nasal/Eye Discharge Ruffled Fur Thin
	131	352	12/19/13	06:50	689	99	254.1		NATD	Unremarkable
	131	353	01/03/14	07:16	704	101	237.4		NATD	Unremarkable
	139	393	01/07/14	11:30	708	102	232.1		MSAC	Lethargic Ruffled Fur Thin
	134	367	01/15/14	14:18	716	103	432.5		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	132	359	01/23/14	13:00	724	104	221.2		MSAC	Lethargic Ruffled Fur Thin
	132	356	01/29/14	07:30	730	105	279.7		TSAC	Unremarkable
	132	358	01/29/14	07:30	730	105	353.0		TSAC	Unremarkable
	132	360	01/29/14	07:30	730	105	260.5		TSAC	Unremarkable
	134	368	01/29/14	07:31	730	105	334.3		TSAC	Unremarkable
	134	369	01/29/14	07:31	730	105	306.3		TSAC	Unremarkable
	138	386	01/29/14	07:32	730	105	364.7		TSAC	Unremarkable
	138	387	01/29/14	07:32	730	105	297.0		TSAC	Unremarkable
	138	390	01/29/14	07:32	730	105	335.2		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	139	395	01/29/14	14:15	730	105	328.6		MSAC	Abnormal Breathing Lethargic
	133	361	01/30/14	07:26	731	105	225.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur Thin
	133	364	01/30/14	07:26	731	105	427.2		TSAC	Unremarkable
	133	365	01/30/14	07:27	731	105	337.7		TSAC	Unremarkable
	135	371	01/30/14	07:28	731	105	289.5		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	135	372	01/30/14	07:28	731	105	379.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	135	373	01/30/14	07:29	731	105	333.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	135	374	01/30/14	07:29	731	105	288.6		TSAC	Unremarkable
	136	376	01/30/14	07:30	731	105	327.8		TSAC	Nasal/Eye Discharge
	136	378	01/30/14	07:31	731	105	518.0		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	136	379	01/30/14	07:33	731	105	273.6		TSAC	Unremarkable
	131	351	01/31/14	07:24	732	105	328.0		TSAC	Unremarkable



Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS CHRONOLOGICALLY**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L female</b>	131	354	01/31/14	07:24	732	105	310.7		TSAC	Unremarkable
	131	355	01/31/14	07:26	732	105	386.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	137	382	01/31/14	07:26	732	105	352.3		TSAC	Unremarkable
	137	383	01/31/14	07:27	732	105	418.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	137	384	01/31/14	07:27	732	105	268.2		TSAC	Nasal/Eye Discharge
	137	385	01/31/14	07:27	732	105	349.6		TSAC	Mass Torso/Lateral Small (1mm-5mm) 1
	139	391	01/31/14	07:28	732	105	308.6		TSAC	Unremarkable
	139	392	01/31/14	07:29	732	105	264.1		TSAC	Mass Torso/Lateral Small (1mm-5mm) 1
	139	394	01/31/14	07:29	732	105	271.8		TSAC	Unremarkable
	140	396	01/31/14	07:30	732	105	347.7		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Ventral Medium (6mm-15mm) 1
	140	399	01/31/14	07:30	732	105	307.2		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L male	1	1	10/09/13	07:46	619	89	395.7		NATD	Nasal/Eye Discharge Ruffled Fur
	1	2	04/18/13	09:31	445	64	349.1		MSAC	Lethargic Mass Torso/Dorsal Small (1mm-5mm) 1 Ruffled Fur Thin
	2	3	12/19/13	12:46	690	99	356.8		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	2	4	12/02/13	11:14	673	97	378.9		NATD	Unremarkable
	3	5	01/27/14	07:06	729	105	522.4		TSAC	Unremarkable
	3	6	11/05/13	07:47	646	93	408.8		NATD	Ruffled Fur
	4	7	01/28/14	07:03	730	105	469.7		TSAC	Unremarkable
	4	8	10/05/13	07:07	615	88	618.8		MSAC	Lethargic Nasal/Eye Discharge
	5	9	01/27/14	07:08	729	105	698.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge
	5	10	12/20/13	07:11	691	99	401.6		NATD	Ruffled Fur Thin Ulcer/Abscess Torso/Dorsal 1
	6	11	09/20/13	10:12	600	86	341.5		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	6	12	11/11/13	13:30	652	94	519.9		MSAC	Head Tilt Lethargic Ruffled Fur Ulcer/Abscess Torso/Lateral 1
	7	13	08/03/12	07:05	187	27	426.7		NATD	Unremarkable
	7	14	01/28/14	07:03	730	105	559.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	8	15	12/06/13	08:56	677	97	390.3		NATD	Nasal/Eye Discharge
	8	16	11/25/13	10:28	666	96	551.9		NATD	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge
	9	17	01/27/14	07:09	729	105	577.5		TSAC	Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L male	9	18	01/27/14	07:10	729	105	622.8		TSAC	Unremarkable
	10	19	01/20/14	10:45	722	104	715.9		MSAC	Abnormal Breathing Impaired Gait Lethargic Ruffled Fur
	10	20	09/13/13	14:08	593	85	391.3		NATD	Nasal/Eye Discharge Ruffled Fur
	11	21	11/11/13	07:04	652	94	345.1		NATD	Unremarkable
	11	22	11/07/13	07:00	648	93	303.7		NATD	Unremarkable
	12	23	01/28/14	07:04	730	105	580.2		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 2
	12	24	04/29/13	12:30	456	66	479.8		MSAC	Lethargic Mass Head Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	13	25	04/23/13	14:09	450	65	552.9		NATD	Unremarkable
	13	26	11/20/13	07:19	661	95	571.8		NATD	Unremarkable
	14	27	06/05/13	07:11	493	71	381.1		NATD	Ruffled Fur
	14	28	10/22/13	08:01	632	91	535.0		NATD	Ruffled Fur
	15	29	11/11/13	13:30	652	94	391.9		MSAC	Head Tilt Ruffled Fur
	15	30	08/22/13	10:08	571	82	274.6		MSAC	Lethargic Ruffled Fur Thin
	16	31	06/13/13	12:50	501	72	447.1		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	16	32	10/29/13	13:40	639	92	351.4		MSAC	Lethargic Ruffled Fur
	17	33	10/04/13	10:23	614	88	450.8		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	17	34	08/02/13	14:14	551	79	334.7		MSAC	Abnormal Breathing Ataxia Lethargic

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

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**ANIMAL REMOVALS BY CAGE**

**MALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>0mg/L male</b>										Thin
	18	35	11/13/13	14:24	654	94	489.5		NATD	Unremarkable
	18	36	01/28/14	07:05	730	105	609.3		TSAC	Unremarkable
	19	37	01/28/14	07:05	730	105	621.3		TSAC	Unremarkable
	19	38	08/19/13	12:40	568	82	569.6		MSAC	Nasal/Eye Discharge Paralysis
	20	39	10/26/13	14:08	636	91	393.6		NATD	Unremarkable
	20	40	12/14/13	12:49	685	98	567.3		MSAC	Head Tilt Nasal/Eye Discharge
	21	41	11/18/13	13:00	659	95	372.4		MSAC	Abnormal Breathing Lethargic Ruffled Fur
	21	42	09/08/13	14:14	588	84	417.9		MSAC	Thin Abnormal Breathing Lethargic Ruffled Fur
	22	43	08/05/12	19:11	189	27	543.2		NATD	Unremarkable
	22	44	01/27/14	07:11	729	105	527.2		TSAC	Unremarkable
	23	45	01/27/14	07:12	729	105	665.0		TSAC	Unremarkable
	23	46	08/25/13	06:57	574	82	458.5		NATD	Unremarkable
	24	47	01/28/14	07:07	730	105	611.6		TSAC	Unremarkable
	24	48	05/25/13	12:33	482	69	434.9		NATD	Nasal/Eye Discharge Ruffled Fur
	25	49	12/11/13	07:24	682	98	503.4		NATD	Thin Nasal/Eye Discharge
	25	50	08/26/13	09:14	575	83	583.8		NATD	Ruffled Fur

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L male	26	51	11/25/13	10:30	666	96	421.8		NATD	Unremarkable
	26	52	12/05/13	10:31	676	97	399.9		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	27	53	01/28/14	07:08	730	105	574.7		TSAC	Nasal/Eye Discharge
	27	54	01/28/14	07:08	730	105	681.7		TSAC	Unremarkable
	28	55	01/21/13	13:00	358	52	484.0		MSAC	Nasal/Eye Discharge Paralysis Ruffled Fur
	28	56	01/28/14	07:08	730	105	425.3		TSAC	Nasal/Eye Discharge
	29	57	09/03/13	13:48	583	84	386.3		MSAC	Abnormal Breathing Eye Abnormality Lethargic Nasal/Eye Discharge Ruffled Fur
	29	58	04/01/13	10:12	428	62	644.0		NATD	Unremarkable
	30	59	12/12/13	07:14	683	98	528.2		NATD	Nasal/Eye Discharge
	30	60	09/20/13	10:13	600	86	333.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	31	61	12/19/13	12:45	690	99	298.5		MSAC	Hindlimb Splay Lethargic Ruffled Fur Thin
	31	62	01/28/14	07:09	730	105	560.7		TSAC	Nasal/Eye Discharge
	32	63	01/27/14	07:13	729	105	637.4		TSAC	Unremarkable
	32	64	01/27/14	07:14	729	105	602.9		TSAC	Ulcer/Abscess Torso/Lateral 1
	33	65	01/27/14	07:16	729	105	462.7		TSAC	Unremarkable
	33	66	01/27/14	07:17	729	105	600.8		TSAC	Unremarkable
	34	67	09/05/13	07:37	585	84	512.6		NATD	Unremarkable
	34	68	01/27/14	07:18	729	105	511.0		TSAC	Nasal/Eye Discharge Ulcer/Abscess Head 1
	35	69	10/11/13	09:23	621	89	339.2		MSAC	Lethargic Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>250mg/L male</b>										
	35	70	01/28/14	07:10	730	105	605.8		TSAC	Ruffled Fur Thin
	36	71	12/09/13	07:20	680	98	828.4		NATD	Unremarkable
	36	72	08/27/13	11:14	576	83	345.2		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Lethargic Nasal/Eye Discharge
	37	73	05/03/13	09:51	460	66	459.7		MSAC	Ruffled Fur Thin Abnormal Breathing Diarrhea Lethargic Nasal/Eye Discharge
	37	74	01/27/14	07:19	729	105	438.5		TSAC	Ruffled Fur Thin Nasal/Eye Discharge
	38	75	12/16/13	07:39	687	99	642.5		NATD	Mass Torso/Lateral Large (16mm And Larger) 1
	38	76	01/28/14	07:10	730	105	521.6		TSAC	Nasal/Eye Discharge
	39	77	12/06/13	10:17	677	97	463.3		MSAC	Mass Appendage Large (16mm And Larger) 1 Ruffled Fur Thin
	39	78	01/27/14	07:20	729	105	591.2		TSAC	Nasal/Eye Discharge
	40	79	12/23/13	07:18	694	100	397.1		NATD	Thin
	40	80	01/27/14	07:21	729	105	715.1		TSAC	Nasal/Eye Discharge
	41	81	08/01/13	14:04	550	79	356.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	41	82	01/27/14	07:22	729	105	554.8		TSAC	Unremarkable
	42	83	11/29/13	07:26	670	96	299.2		NATD	Thin
	42	84	12/01/13	07:09	672	96	609.7		NATD	Unremarkable
	43	85	01/27/14	07:47	729	105	600.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge
	43	86	01/27/14	07:47	729	105	687.2		TSAC	Mass Torso/Ventral Small (1mm-5mm) 1 Nasal/Eye Discharge
	44	87	01/28/14	07:11	730	105	406.7		TSAC	Ulcer/Abscess Torso/Ventral 1 Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L male										Ruffled Fur Thin
		44	88	01/28/14	07:11	730	105	456.2	TSAC	Nasal/Eye Discharge
		45	89	01/28/14	07:12	730	105	564.1	TSAC	Nasal/Eye Discharge
		45	90	01/28/14	07:13	730	105	558.0	TSAC	Mass Torso/Dorsal Medium (6mm-15mm) 1
		46	91	08/27/13	11:14	576	83	452.4	MSAC	Abnormal Breathing Nasal/Eye Discharge Ruffled Fur Thin
		46	92	01/11/13	12:10	348	50	407.9	MSAC	Diarrhea Lethargic Ruffled Fur Thin
		47	93	08/08/13	13:40	557	80	612.6	NATD	Ulcer/Abscess Torso/Lateral 1
		47	94	01/28/14	07:13	730	105	533.9	TSAC	Unremarkable
		48	95	12/14/13	12:51	685	98	370.3	MSAC	Abnormal Breathing Lethargic Mass Torso/Lateral Small (1mm-5mm) 1 Ruffled Fur Thin
		48	96	07/03/12	10:21	156	23	312.8	MSAC	Ulcer/Abscess Torso/Ventral 1 Abnormal Breathing Eye Abnormality Lethargic Ruffled Fur
		49	97	01/27/14	07:29	729	105	553.5	TSAC	Nasal/Eye Discharge
		49	98	01/27/14	07:30	729	105	495.0	TSAC	Nasal/Eye Discharge
		50	99	01/28/14	07:14	730	105	495.4	TSAC	Nasal/Eye Discharge
		50	100	01/28/14	07:14	730	105	431.4	TSAC	Nasal/Eye Discharge Ruffled Fur

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L male	51	101	12/27/13	10:33	698	100	538.1		MSAC	Abnormal Breathing Lethargic Ruffled Fur
	51	102	01/28/14	07:15	730	105	555.1		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	52	103	12/11/13	14:21	682	98	295.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	52	104	01/27/14	07:30	729	105	605.4		TSAC	Nasal/Eye Discharge
	53	105	01/27/14	07:31	729	105	833.4		TSAC	Unremarkable
	53	106	01/27/14	07:32	729	105	613.3		TSAC	Nasal/Eye Discharge
	54	107	05/20/13	14:19	477	69	546.6		NATD	Unremarkable
	54	108	01/28/14	07:17	730	105	536.3		TSAC	Mass Head Medium (6mm-15mm) 1 Nasal/Eye Discharge
	55	109	01/28/14	07:18	730	105	546.7		TSAC	Ulcer/Abscess Appendage 1
	55	110	01/17/14	07:28	719	103	474.9		NATD	Nasal/Eye Discharge Ruffled Fur
	56	111	08/26/13	13:30	575	83	374.8		MSAC	Eye Abnormality Nasal/Eye Discharge Ruffled Fur Thin
	56	112	08/29/13	07:33	578	83	410.1		NATD	Unremarkable
	57	113	01/27/14	07:32	729	105	548.4		TSAC	Unremarkable
	57	114	01/27/14	07:33	729	105	495.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur
	58	115	01/28/14	07:19	730	105	331.4		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	58	116	01/11/14	14:23	713	102	491.7		NATD	Unremarkable
	59	117	01/27/14	07:34	729	105	640.9		TSAC	Nasal/Eye Discharge
	59	118	10/22/13	14:23	632	91	319.4		MSAC	Eye Abnormality Lethargic Nasal/Eye Discharge



Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L male										Ruffled Fur Thin
	60	119	11/01/13	07:52	642	92	553.1		NATD	Nasal/Eye Discharge
	60	120	01/28/14	07:20	730	105	555.0		TSAC	Nasal/Eye Discharge
	61	121	11/25/13	07:45	666	96	519.5		NATD	Unremarkable
	61	122	01/23/14	08:27	725	104	449.3		MSAC	Abnormal Breathing Lethargic Nasal/Eye Discharge Ruffled Fur
	62	123	01/28/14	07:20	730	105	544.5		TSAC	Nasal/Eye Discharge
	62	124	12/02/13	11:14	673	97	658.8		NATD	Unremarkable
	63	125	01/28/14	07:21	730	105	571.8		TSAC	Ulcer/Abscess Appendage 1
	63	126	09/23/13	14:07	603	87	309.6		MSAC	Eye Abnormality Nasal/Eye Discharge Ruffled Fur Thin
	64	127	01/28/14	07:22	730	105	523.0		TSAC	Nasal/Eye Discharge Ruffled Fur
	64	128	02/05/13	07:30	373	54	548.6		NATD	Unremarkable
	65	129	12/17/13	14:21	688	99	316.3		MSAC	Ataxia Impaired Gait Nasal/Eye Discharge Thin
	65	130	01/27/14	07:34	729	105	511.9		TSAC	Mass Head Small (1mm-5mm) 1
	66	131	01/27/14	07:36	729	105	487.7		TSAC	Nasal/Eye Discharge
	66	132	09/25/13	07:18	605	87	664.3		NATD	Unremarkable
	67	133	11/07/13	11:45	648	93	277.3		MSAC	Lethargic Ruffled Fur
	67	134	12/07/12	07:10	313	45	532.9		NATD	Unremarkable
	68	135	01/20/14	10:40	722	104	593.9		MSAC	Mass Head Large (16mm And Larger) 1 Nasal/Eye Discharge Ulcer/Abscess Head 1
	68	136	01/27/14	07:37	729	105	716.5		TSAC	Nasal/Eye Discharge
	69	137	01/27/14	07:37	729	105	555.9		TSAC	Unremarkable
69	138	10/17/13	07:45	627	90	466.4		NATD	Unremarkable	
70	139	01/28/14	07:22	730	105	491.6		TSAC	Unremarkable	

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

E02: ANIMALS REMOVED FROM EXPERIMENT

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CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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ANIMAL REMOVALS BY CAGE

MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L male	70	140	10/01/13	11:24	611	88	307.1		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	71	141	06/29/13	07:25	517	74	588.1		NATD	Nasal/Eye Discharge
	71	142	11/05/13	07:43	646	93	431.0		NATD	Ruffled Fur
	72	143	01/28/14	07:23	730	105	270.8		TSAC	Nasal/Eye Discharge Ruffled Fur Thin
	72	144	01/28/14	07:24	730	105	466.8		NATD	Nasal/Eye Discharge
	73	145	01/28/14	07:25	730	105	612.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	73	146	06/03/13	10:57	491	71	381.6		NATD	Unremarkable
	74	147	01/15/14	07:15	717	103	374.7		NATD	Unremarkable
	74	148	01/28/14	07:27	730	105	643.5		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 2
	75	149	12/23/13	12:25	694	100	350.1		MSAC	Abnormal Breathing Nasal/Eye Discharge Ruffled Fur Thin
	75	150	01/27/14	07:38	729	105	574.3		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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Lab: BAT

## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
1000mg/L male	76	151	12/11/13	14:24	682	98	297.3		MSAC	Lethargic Ruffled Fur Thin
	76	152	12/02/13	11:14	673	97	246.6		MSAC	Impaired Gait Lethargic Ruffled Fur Thin
	77	153	01/14/13	07:28	351	51	597.2		NATD	Unremarkable
	77	154	01/28/14	07:28	730	105	492.3		TSAC	Unremarkable
	78	155	01/27/14	07:38	729	105	457.6		TSAC	Nasal/Eye Discharge
	78	156	10/07/13	10:57	617	89	415.1		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	79	157	01/28/14	07:28	730	105	640.5		TSAC	Unremarkable
	79	158	01/28/14	07:29	730	105	595.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	80	159	01/28/14	07:30	730	105	462.9		TSAC	Nasal/Eye Discharge Ulcer/Abscess Appendage 1
	80	160	01/28/14	07:30	730	105	448.3		TSAC	Nasal/Eye Discharge
	81	161	09/22/13	07:41	602	86	511.6		NATD	Nasal/Eye Discharge
	81	162	01/28/14	07:32	730	105	539.1		TSAC	Ulcer/Abscess Appendage 5
	82	163	01/27/14	07:39	729	105	562.3		TSAC	Unremarkable
	82	164	05/10/13	07:31	467	67	530.4		NATD	Unremarkable
	83	165	01/27/14	07:40	729	105	611.6		TSAC	Nasal/Eye Discharge Ruffled Fur
	83	166	01/27/14	07:40	729	105	571.1		TSAC	Unremarkable
	84	167	01/28/14	07:33	730	105	584.7		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge
	84	168	01/28/14	07:34	730	105	637.3		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	85	169	01/27/14	07:41	729	105	535.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	85	170	01/27/14	07:41	729	105	670.8		TSAC	Nasal/Eye Discharge
	86	171	09/30/13	07:09	610	88	596.9		NATD	Unremarkable
	86	172	01/27/14	07:42	729	105	502.3		TSAC	Nasal/Eye Discharge Ruffled Fur
	87	173	09/01/13	07:20	581	83	388.7		NATD	Ruffled Fur Thin

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

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## ANIMAL REMOVALS BY CAGE

## MALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
1000mg/L male	87	174	10/03/13	11:50	613	88	311.2		MSAC	Lethargic Ruffled Fur Thin
	88	175	01/27/14	07:42	729	105	455.4		TSAC	Nasal/Eye Discharge
	88	176	09/08/13	06:46	588	84	562.0		NATD	Unremarkable
	89	177	12/23/12	14:22	329	47	477.3		NATD	Unremarkable
	89	178	10/06/13	14:50	616	88	356.0		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	90	179	01/27/14	07:43	729	105	533.6		TSAC	Unremarkable
	90	180	11/25/13	10:26	666	96	525.6		MSAC	Abnormal Breathing Lethargic Nasal/Eye Discharge
	91	181	01/28/14	07:34	730	105	546.8		TSAC	Unremarkable
	91	182	01/28/14	07:35	730	105	538.2		TSAC	Nasal/Eye Discharge
	92	183	01/27/14	07:44	729	105	651.7		TSAC	Ulcer/Abscess Torso/Ventral 1
	92	184	01/27/14	07:44	729	105	634.7		TSAC	Unremarkable
	93	185	01/27/14	07:45	729	105	723.9		TSAC	Ulcer/Abscess Torso/Lateral 2
	93	186	12/08/13	06:55	679	97	546.5		NATD	Unremarkable
	94	187	02/02/12	10:35	4	1	19.4		NATD	Unremarkable
	94	188	01/28/14	07:36	730	105	647.4		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur
	95	189	01/28/14	07:37	730	105	510.8		TSAC	Unremarkable
	95	190	08/17/13	06:52	566	81	547.0		NATD	Unremarkable
	96	191	10/06/13	14:53	616	88	305.4		MSAC	Nasal/Eye Discharge Ruffled Fur Thin
	96	192	04/09/13	07:45	436	63	564.9		NATD	Unremarkable
	97	193	01/28/14	07:38	730	105	508.7		TSAC	Ulcer/Abscess Head 1
	97	194	01/28/14	07:38	730	105	492.2		TSAC	Unremarkable
	98	195	01/27/14	07:46	729	105	306.3		TSAC	Mass Torso/Dorsal Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur Thin
	98	196	01/27/14	07:46	729	105	569.7		TSAC	Unremarkable
	99	197	01/28/14	07:39	730	105	609.4		TSAC	Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

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Lab: BAT

**ANIMAL REMOVALS BY CAGE**

**MALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L male</b>	99	198	12/26/13	07:19	697	100	485.9		NATD	Unremarkable
	100	199	11/11/13	08:42	652	94	454.4		NATD	Unremarkable
	100	200	12/14/13	13:00	685	98	347.3		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L female	101	201	12/25/13	07:18	695	100	397.3		NATD	Unremarkable
	101	202	01/07/14	11:30	708	102	274.6		MSAC	Head Tilt Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	101	203	11/11/12	06:48	286	41	293.5		NATD	Unremarkable
	101	204	11/12/13	11:14	652	94	609.2		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Ulcer/Abscess Torso/Ventral 3
	101	205	01/30/14	07:03	731	105	495.8		TSAC	Unremarkable
	102	206	01/29/14	07:11	730	105	386.0		TSAC	Unremarkable
	102	207	01/29/14	07:12	730	105	430.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	102	208	01/29/14	07:13	730	105	421.7		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	102	209	01/29/14	07:13	730	105	485.0		TSAC	Unremarkable
	102	210	01/29/14	07:14	730	105	299.0		TSAC	Unremarkable
	103	211	01/10/14	06:55	711	102	410.5		NATD	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur
	103	212	06/15/13	14:20	502	72	277.2		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	103	213	08/02/13	14:19	550	79	577.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	103	214	01/30/14	07:04	731	105	348.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	103	215	01/30/14	07:05	731	105	390.5		TSAC	Unremarkable
	104	216	01/30/14	07:06	731	105	374.7		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	104	217	01/30/14	07:07	731	105	433.3		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	104	218	01/10/14	12:30	711	102	226.7		MSAC	Lethargic Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	104	219	01/30/14	07:07	731	105	366.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	104	220	02/20/13	07:21	387	56	317.2		NATD	Unremarkable
	105	221	01/31/14	07:06	732	105	342.2		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	105	222	01/08/13	11:16	344	50	250.2		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
0mg/L female										Thin
	105	223	01/31/14	07:07	732	105	586.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	105	224	01/31/14	07:07	732	105	433.8		TSAC	Unremarkable
	105	225	10/15/13	07:38	624	90	410.8		MSAC	Head Tilt Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	106	226	01/31/14	07:09	732	105	436.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	106	227	01/31/14	07:10	732	105	375.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	106	228	01/31/14	07:11	732	105	350.6		TSAC	Unremarkable
	106	229	01/31/14	07:11	732	105	319.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	106	230	01/31/14	07:12	732	105	331.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	107	231	08/19/13	12:40	567	81	499.3		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	107	232	01/29/14	07:14	730	105	345.7		TSAC	Unremarkable
	107	233	01/29/14	07:15	730	105	438.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	107	234	12/06/13	10:23	676	97	321.8		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	107	235	01/29/14	07:15	730	105	400.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	108	236	01/30/14	07:10	731	105	449.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Ulcer/Abscess Torso/Dorsal 1
	108	237	10/10/13	14:24	619	89	401.3		NATD	Mass Torso/Ventral Large (16mm And Larger) 2
	108	238	01/30/14	07:10	731	105	368.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	108	239	01/30/14	07:11	731	105	372.8		TSAC	Unremarkable
	108	240	01/30/14	07:11	731	105	361.2		TSAC	Unremarkable
	109	241	01/30/14	07:12	731	105	424.6		TSAC	Unremarkable
	109	242	10/01/13	11:02	610	88	419.7		NATD	Mass Torso/Ventral Large (16mm And Larger) 2 Ruffled Fur
	109	243	10/03/13	13:24	612	88	306.3		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	109	244	07/06/13	06:58	523	75	404.0		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	109	245	01/30/14	07:13	731	105	431.4		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS BY CAGE**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>0mg/L female</b>	110	246	12/06/13	10:29	676	97	326.1		MSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Ruffled Fur
	110	247	06/17/13	09:58	504	72	587.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	110	248	01/29/14	07:17	730	105	638.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 3
	110	249	06/07/13	13:04	494	71	481.9		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	110	250	01/29/14	07:17	730	105	407.6		TSAC	Unremarkable



Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

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First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L female	111	251	01/30/14	07:13	731	105	428.5		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1
	111	252	01/30/14	07:15	731	105	525.0		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	111	253	01/30/14	07:16	731	105	445.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	111	254	01/30/14	07:16	731	105	414.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	111	255	01/30/14	07:17	731	105	326.4		TSAC	Unremarkable
	112	256	08/08/13	07:24	556	80	281.3		NATD	Nasal/Eye Discharge
	112	257	01/03/14	14:22	704	101	518.4		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	112	258	11/25/12	07:14	300	43	319.8		NATD	Nasal/Eye Discharge
	112	259	10/29/13	13:40	638	92	373.2		MSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Mass Torso/Lateral Large (16mm And Larger) 1
	112	260	10/21/13	12:50	630	90	216.4		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	113	261	01/31/14	07:13	732	105	307.4		TSAC	Ruffled Fur
	113	262	01/31/14	07:13	732	105	308.3		TSAC	Nasal/Eye Discharge Ruffled Fur
	113	263	01/31/14	07:14	732	105	384.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	113	264	12/31/13	10:17	701	101	657.0		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	113	265	12/16/13	14:09	686	98	306.3		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	114	266	01/29/14	07:18	730	105	402.8		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	114	267	03/08/13	07:28	403	58	364.2		NATD	Mass Torso/Dorsal Large (16mm And Larger) 1
	114	268	01/29/14	07:19	730	105	470.3		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	114	269	10/29/13	13:40	638	92	443.8		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur
	114	270	12/31/13	07:23	701	101	289.2		NATD	Mass Torso/Ventral Small (1mm-5mm) 1
	115	271	01/31/14	07:15	732	105	256.3		TSAC	Unremarkable
	115	272	01/31/14	07:15	732	105	420.3		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	115	273	01/31/14	07:15	732	105	410.5		TSAC	Unremarkable
	115	274	01/31/14	07:16	732	105	396.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	115	275	01/31/14	07:17	732	105	721.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	116	276	01/29/14	07:19	730	105	382.1		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
250mg/L female	116	277	10/11/13	14:12	620	89	598.6		NATD	Mass Torso/Lateral Large (16mm And Larger) 1
	116	278	02/25/13	12:51	392	56	328.2		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	116	279	01/29/14	07:20	730	105	520.3		TSAC	Unremarkable
	116	280	01/29/14	07:20	730	105	523.4		TSAC	Unremarkable
	117	281	01/30/14	07:17	731	105	300.9		TSAC	Unremarkable
	117	282	01/30/14	07:18	731	105	414.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Thin
	117	283	11/05/13	13:24	645	93	274.1		MSAC	Eye Abnormality Head Tilt Lethargic Ruffled Fur
	117	284	01/30/14	07:19	731	105	352.1		TSAC	Unremarkable
	117	285	01/18/14	07:19	719	103	371.7		NATD	Unremarkable
	118	286	01/30/14	07:19	731	105	380.9		TSAC	Unremarkable
	118	287	01/30/14	07:20	731	105	345.6		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	118	288	11/12/13	11:14	652	94	648.6		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	118	289	07/22/13	11:58	539	77	312.6		MSAC	Abnormal Breathing Lethargic Ruffled Fur Thin
	118	290	01/20/14	10:35	721	103	251.8		MSAC	Abnormal Breathing Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	119	291	01/31/14	07:17	732	105	313.7		TSAC	Nasal/Eye Discharge
	119	292	01/31/14	07:18	732	105	481.7		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	119	293	01/31/14	07:18	732	105	343.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	119	294	01/31/14	07:19	732	105	504.5		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	119	295	01/31/14	07:19	732	105	341.7		TSAC	Unremarkable
	120	296	01/29/14	07:21	730	105	456.5		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
120	297	01/29/14	07:22	730	105	351.2		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1	
120	298	01/29/14	07:22	730	105	395.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1	
120	299	01/29/14	07:23	730	105	323.7		TSAC	Ulcer/Abscess Torso/Ventral 1	

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

**ANIMAL REMOVALS BY CAGE**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>250mg/L female</b>	120	300	01/29/14	07:23	730	105	348.7		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L female	121	301	01/30/14	07:20	731	105	447.5		TSAC	Unremarkable
	121	302	01/30/14	07:21	731	105	351.3		TSAC	Unremarkable
	121	303	05/07/13	07:24	463	67	317.9		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Thin
	121	304	01/30/14	07:22	731	105	378.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2 Ruffled Fur
	121	305	11/11/13	14:21	651	93	264.9		NATD	Mass Torso/Ventral Medium (6mm-15mm) 1
	122	306	09/09/13	13:24	588	84	563.3		MSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Mass Torso/Ventral Medium (6mm-15mm) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	122	307	10/26/12	09:25	270	39	281.0		MSAC	Abnormal Breathing Lethargic
	122	308	01/29/14	07:24	730	105	381.7		TSAC	Unremarkable
	122	309	01/15/14	11:51	716	103	580.4		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Thin
	122	310	11/13/12	09:10	288	42	275.5		MSAC	Lethargic Ruffled Fur
	123	311	09/04/13	14:20	583	84	645.6		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	123	312	01/29/14	07:24	730	105	298.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	123	313	01/29/14	07:25	730	105	359.8		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	123	314	01/29/14	07:25	730	105	353.4		TSAC	Mass Torso/Lateral Large (16mm And Larger) 2
	123	315	01/29/14	07:26	730	105	366.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	124	316	01/29/14	07:26	730	105	450.5		TSAC	Unremarkable
	124	317	07/12/13	13:04	529	76	543.1		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	124	318	01/29/14	07:27	730	105	472.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	124	319	09/13/13	12:58	592	85	588.4		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	124	320	01/29/14	07:27	730	105	313.1		TSAC	Unremarkable
	125	321	07/02/13	06:39	519	75	400.0		NATD	Mass Torso/Lateral Large (16mm And Larger) 1

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
500mg/L female	125	322	01/31/14	07:20	732	105	360.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	125	323	01/31/14	07:20	732	105	393.7		TSAC	Unremarkable
	125	324	01/31/14	07:20	732	105	412.6		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1 Mass Torso/Lateral Large (16mm And Larger) 1
	125	325	04/30/13	14:10	456	66	296.1		MSAC	Ruffled Fur
	126	326	09/13/13	12:58	592	85	580.2		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	126	327	01/31/14	07:21	732	105	391.1		TSAC	Mass Torso/Lateral Medium (6mm-15mm) 1
	126	328	01/31/14	07:21	732	105	301.3		TSAC	Nasal/Eye Discharge
	126	329	01/31/14	07:22	732	105	364.8		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1
	126	330	11/02/13	06:50	642	92	228.7		NATD	Unremarkable
	127	331	01/30/14	07:23	731	105	294.4		TSAC	Nasal/Eye Discharge Ruffled Fur
	127	332	01/30/14	07:23	731	105	384.2		TSAC	Unremarkable
	127	333	06/13/13	12:50	500	72	269.4		MSAC	Lethargic Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	127	334	01/15/14	07:49	716	103	328.4		NATD	Thin
	127	335	01/30/14	07:24	731	105	384.2		TSAC	Unremarkable
	128	336	01/31/14	07:22	732	105	364.5		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	337	01/31/14	07:23	732	105	362.1		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	338	01/31/14	07:23	732	105	371.3		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	128	339	01/31/14	07:23	732	105	269.8		TSAC	Nasal/Eye Discharge Ruffled Fur
	128	340	01/31/14	07:24	732	105	333.5		TSAC	Unremarkable
	129	341	03/25/13	13:06	420	60	298.3		MSAC	Lethargic Ruffled Fur
129	342	12/06/13	10:35	676	97	685.1		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin	
129	343	09/06/13	13:16	585	84	239.1		MSAC	Mass Head Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur	

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

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Lab: BAT

**ANIMAL REMOVALS BY CAGE**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>500mg/L female</b>										Thin
	129	344	01/30/14	07:24	731	105	291.5		TSAC	Unremarkable
	129	345	01/30/14	07:25	731	105	339.6		TSAC	Unremarkable
	130	346	01/29/14	07:28	730	105	387.6		TSAC	Unremarkable
	130	347	01/29/14	07:28	730	105	531.9		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	130	348	12/05/13	10:25	675	97	464.2		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur Thin
	130	349	01/29/14	07:29	730	105	292.4		TSAC	Unremarkable
	130	350	01/29/14	07:29	730	105	397.4		TSAC	Unremarkable

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

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## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L female</b>	131	351	01/31/14	07:24	732	105	328.0		TSAC	Unremarkable
	131	352	12/19/13	06:50	689	99	254.1		NATD	Unremarkable
	131	353	01/03/14	07:16	704	101	237.4		NATD	Unremarkable
	131	354	01/31/14	07:24	732	105	310.7		TSAC	Unremarkable
	131	355	01/31/14	07:26	732	105	386.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	132	356	01/29/14	07:30	730	105	279.7		TSAC	Unremarkable
	132	357	11/18/13	06:18	658	94	277.1		NATD	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin Ulcer/Abscess Torso/Lateral 1
	132	358	01/29/14	07:30	730	105	353.0		TSAC	Unremarkable
	132	359	01/23/14	13:00	724	104	221.2		MSAC	Lethargic Ruffled Fur Thin
	132	360	01/29/14	07:30	730	105	260.5		TSAC	Unremarkable
	133	361	01/30/14	07:26	731	105	225.9		TSAC	Mass Torso/Ventral Medium (6mm-15mm) 1 Nasal/Eye Discharge Ruffled Fur Thin
	133	362	09/22/13	10:24	601	86	378.0		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	133	363	03/18/13	12:50	413	59	439.6		MSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur Thin
	133	364	01/30/14	07:26	731	105	427.2		TSAC	Unremarkable
	133	365	01/30/14	07:27	731	105	337.7		TSAC	Unremarkable
	134	366	12/06/13	10:40	676	97	209.3		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur Thin
	134	367	01/15/14	14:18	716	103	432.5		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	134	368	01/29/14	07:31	730	105	334.3		TSAC	Unremarkable
	134	369	01/29/14	07:31	730	105	306.3		TSAC	Unremarkable
	134	370	08/05/13	13:01	553	79	580.5		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge

Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

## E02: ANIMALS REMOVED FROM EXPERIMENT

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 05/25/2016

Time Report Requested: 14:53:00

First Dose M/F: 01/30/12 / 01/31/12

Lab: BAT

## ANIMAL REMOVALS BY CAGE

## FEMALE

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L female</b>										
	135	371	01/30/14	07:28	731	105	289.5		TSAC	Ruffled Fur Mass Torso/Ventral Medium (6mm-15mm) 1
	135	372	01/30/14	07:28	731	105	379.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	135	373	01/30/14	07:29	731	105	333.6		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	135	374	01/30/14	07:29	731	105	288.6		TSAC	Unremarkable
	135	375	06/24/13	14:18	511	73	277.5		MSAC	Lethargic Ruffled Fur Thin
	136	376	01/30/14	07:30	731	105	327.8		TSAC	Nasal/Eye Discharge
	136	377	10/15/13	10:58	624	90	194.9		MSAC	Mass Torso/Lateral Large (16mm And Larger) 1 Ruffled Fur Thin
	136	378	01/30/14	07:31	731	105	518.0		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1
	136	379	01/30/14	07:33	731	105	273.6		TSAC	Unremarkable
	136	380	08/17/12	07:03	200	29	221.9		NATD	Mass Torso/Ventral Large (16mm And Larger) 1
	137	381	05/22/13	14:37	478	69	300.9		MSAC	Lethargic Nasal/Eye Discharge Ruffled Fur
	137	382	01/31/14	07:26	732	105	352.3		TSAC	Unremarkable
	137	383	01/31/14	07:27	732	105	418.4		TSAC	Mass Torso/Ventral Large (16mm And Larger) 2
	137	384	01/31/14	07:27	732	105	268.2		TSAC	Nasal/Eye Discharge
	137	385	01/31/14	07:27	732	105	349.6		TSAC	Mass Torso/Lateral Small (1mm-5mm) 1
	138	386	01/29/14	07:32	730	105	364.7		TSAC	Unremarkable
	138	387	01/29/14	07:32	730	105	297.0		TSAC	Unremarkable
	138	388	11/12/13	08:03	652	94	611.2		NATD	Mass Torso/Ventral Large (16mm And Larger) 1 Ruffled Fur
	138	389	07/01/13	07:25	518	74	283.3		NATD	Unremarkable
	138	390	01/29/14	07:32	730	105	335.2		TSAC	Mass Torso/Lateral Large (16mm And Larger) 1
	139	391	01/31/14	07:28	732	105	308.6		TSAC	Unremarkable
	139	392	01/31/14	07:29	732	105	264.1		TSAC	Mass Torso/Lateral Small (1mm-5mm) 1
	139	393	01/07/14	11:30	708	102	232.1		MSAC	Lethargic Ruffled Fur Thin
	139	394	01/31/14	07:29	732	105	271.8		TSAC	Unremarkable
	139	395	01/29/14	14:15	730	105	328.6		MSAC	Abnormal Breathing Lethargic



Experiment Number: 03038 - 03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/HSD

**E02: ANIMALS REMOVED FROM EXPERIMENT**

Sodium Tungstate Dihydrate

CAS Number: 10213-10-2

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**ANIMAL REMOVALS BY CAGE**

**FEMALE**

TREATMENT	CAGE	ANIMAL ID	REMOVAL DATE	REMOVAL TIME	DAY	WEEK	TERMINAL WEIGHT	REMOVAL WEIGHT STATUS	REASON FOR REMOVAL	REMOVAL CLINICAL OBSERVATIONS
<b>1000mg/L female</b>	140	396	01/31/14	07:30	732	105	347.7		TSAC	Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Ventral Medium (6mm-15mm) 1
	140	397	11/02/13	11:51	642	92	475.4		MSAC	Lethargic Mass Torso/Ventral Large (16mm And Larger) 1 Mass Torso/Lateral Large (16mm And Larger) 1 Nasal/Eye Discharge Ruffled Fur
	140	398	09/04/13	07:05	583	84	217.7		NATD	Nasal/Eye Discharge Ruffled Fur Thin
	140	399	01/31/14	07:30	732	105	307.2		TSAC	Unremarkable
	140	400	04/28/13	07:47	454	65	281.7		NATD	Unremarkable

\*\*\*END OF REPORT\*\*\*