

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

NTP Study Number: C07062
Lock Date: 03/30/2012
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.6.0.0_007
PWG Approval Date: NONE

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 1		SEX: MALE		TRT#: 1		DOSE: Control		
ANIMAL ID: 1								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:20:52	109.2			
9	05/31/11	5062		06:20:08	171.4		06:20:28	Unremarkable
19	06/10/11	5062		06:15:00	228.9		06:15:03	Unremarkable
26	06/17/11	5062		06:27:02	264.2		06:27:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:02	381.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 1		SEX: MALE		TRT#: 1		DOSE: Control		
ANIMAL ID: 2								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:21:06	124.0			
9	05/31/11	5062		06:20:47	183.4		06:20:49	Unremarkable
19	06/10/11	5062		06:15:16	244.3		06:15:18	Unremarkable
26	06/17/11	5062		06:27:15	278.0		06:27:15	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:18:51	294.0		06:18:51	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 1		SEX: MALE		TRT#: 1		DOSE: Control		
ANIMAL ID: 3								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:21:18	121.2			
9	05/31/11	5062		06:20:57	171.1		06:20:58	Unremarkable
19	06/10/11	5062		06:15:36	237.7		06:15:38	Unremarkable
26	06/17/11	5062		06:27:29	269.8		06:27:29	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:19:32	284.0		06:19:32	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 1		SEX: MALE		TRT#: 1		DOSE: Control		
ANIMAL ID: 4								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:21:31	130.8			
9	05/31/11	5062		06:21:08	184.6		06:21:09	Unremarkable
19	06/10/11	5062		06:15:56	237.3		06:15:57	Unremarkable
26	06/17/11	5062		06:27:40	267.3		06:27:40	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:20:22	283.3		06:20:22	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 1		SEX: MALE		TRT#: 1		DOSE: Control		
ANIMAL ID: 5								
DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:21:41	129.2			
9	05/31/11	5062		06:21:21	183.5		06:21:22	Unremarkable
19	06/10/11	5062		06:16:08	234.2		06:16:09	Unremarkable
26	06/17/11	5062		06:27:51	258.3		06:27:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:02	258.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 2
ANIMAL ID: 6

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:21:59	110.7			
9	05/31/11	5062		06:21:33	159.4		06:21:35	Unremarkable
19	06/10/11	5062		06:16:19	203.5		06:16:20	Unremarkable
26	06/17/11	5062		06:28:05	223.5		06:28:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:04	327.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 2
ANIMAL ID: 7

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:22:13	133.0			
9	05/31/11	5062		06:21:44	195.8		06:21:45	Unremarkable
19	06/10/11	5062		06:16:34	266.2		06:16:35	Unremarkable
26	06/17/11	5062		06:28:21	304.3		06:28:21	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:21:41	326.5		06:21:41	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 2
ANIMAL ID: 8

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:22:25	128.2			
9	05/31/11	5062		06:22:22	183.3		06:25:33	Unremarkable
19	06/10/11	5062		06:16:57	231.1		06:16:58	Unremarkable
26	06/17/11	5062		06:28:37	255.6		06:28:37	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:22:05	269.4		06:22:05	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 2
ANIMAL ID: 9

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:22:37	123.5			
9	05/31/11	5062		06:25:52	177.9		06:25:55	Unremarkable
19	06/10/11	5062		06:17:17	233.2		06:17:18	Unremarkable
26	06/17/11	5062		06:28:51	264.2		06:28:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	444.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 2
ANIMAL ID: 10

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:22:48	125.1			
9	05/31/11	5062		06:26:10	183.6		06:26:12	Unremarkable
19	06/10/11	5062		06:17:33	235.3		06:17:36	Unremarkable
26	06/17/11	5062		06:29:09	272.1		06:29:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:02	315.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 3
ANIMAL ID: 11

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:23:02	138.1			
9	05/31/11	5062		06:26:23	197.8		06:26:25	Unremarkable
19	06/10/11	5062		06:17:53	245.2		06:17:55	Unremarkable
26	06/17/11	5062		06:29:22	291.3		06:29:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	467.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 3
ANIMAL ID: 12

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:23:14	120.9			
9	05/31/11	5062		06:26:37	181.4		06:26:39	Unremarkable
19	06/10/11	5062		06:18:09	242.2		06:18:10	Unremarkable
26	06/17/11	5062		06:29:44	288.8		06:29:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:04	296.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 3
ANIMAL ID: 13

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:23:26	132.5			
9	05/31/11	5062		06:26:55	183.3		06:26:57	Unremarkable
19	06/10/11	5062		06:18:28	248.3		06:18:29	Unremarkable
26	06/17/11	5062		06:30:07	287.8		06:30:08	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:22:52	303.6		06:22:52	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 3
ANIMAL ID: 14

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:23:38	111.9			
9	05/31/11	5062		06:27:13	161.6		06:27:15	Unremarkable
19	06/10/11	5062		06:18:46	214.3		06:18:46	Unremarkable
26	06/17/11	5062		06:30:21	252.4		06:30:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:04	262.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 3
ANIMAL ID: 15

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:23:50	126.0			
9	05/31/11	5062		06:27:26	177.6		06:27:31	Unremarkable
19	06/10/11	5062		06:19:00	228.5		06:19:00	Unremarkable
26	06/17/11	5062		06:30:32	256.9		06:30:33	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:04	302.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 4
ANIMAL ID: 16

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:24:05	110.9			
9	05/31/11	5062		06:27:42	157.6		06:27:43	Unremarkable
19	06/10/11	5062		06:19:13	212.8		06:19:14	Unremarkable
26	06/17/11	5062		06:30:44	242.1		06:30:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:06	243.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 4
ANIMAL ID: 17

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:24:20	125.3			
9	05/31/11	5062		06:27:57	177.9		06:27:58	Unremarkable
19	06/10/11	5062		06:19:28	227.1		06:19:30	Unremarkable
26	06/17/11	5062		06:30:57	256.5		06:30:58	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:06	262.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 4
ANIMAL ID: 18

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:24:32	114.3			
9	05/31/11	5062		06:28:11	171.7		06:28:13	Unremarkable
19	06/10/11	5062		06:19:43	228.0		06:19:46	Unremarkable
26	06/17/11	5062		06:31:10	258.2		06:31:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:06	261.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 4
ANIMAL ID: 19

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:24:44	127.4			
9	05/31/11	5062		06:28:23	184.9		06:28:24	Unremarkable
19	06/10/11	5062		06:19:58	236.5		06:20:00	Unremarkable
26	06/17/11	5062		06:31:21	270.4		06:31:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:08	369.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 4
ANIMAL ID: 20

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:24:56	131.4			
9	05/31/11	5062		06:28:36	185.4		06:28:37	Unremarkable
19	06/10/11	5062		06:20:12	234.5		06:20:13	Unremarkable
26	06/17/11	5062		06:31:31	265.5		06:31:32	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:23:43	278.2		06:23:43	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 5
ANIMAL ID: 21

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:25:09	108.6			
9	05/31/11	5062		06:28:53	160.5		06:28:54	Unremarkable
19	06/10/11	5062		06:20:26	223.2		06:20:27	Unremarkable
26	06/17/11	5062		06:31:44	254.9		06:31:44	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:08	294.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 5
ANIMAL ID: 22

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:25:21	136.6			
9	05/31/11	5062		06:29:29	196.8		06:29:30	Unremarkable
19	06/10/11	5062		06:20:43	254.8		06:20:44	Unremarkable
26	06/17/11	5062		06:32:04	300.4		06:32:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:08	301.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 5
ANIMAL ID: 23

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:25:33	116.0			
9	05/31/11	5062		06:29:41	152.1		06:29:42	Unremarkable
19	06/10/11	5062		06:21:01	181.7		06:21:01	Unremarkable
26	06/17/11	5062		06:32:49	205.5		06:32:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:08	226.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 5
ANIMAL ID: 24

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:25:44	106.3			
9	05/31/11	5062		06:29:57	160.6		06:29:59	Unremarkable
19	06/10/11	5062		06:21:24	215.0		06:21:24	Unremarkable
26	06/17/11	5062		06:33:02	256.6		06:33:02	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:24:22	269.3		06:24:22	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 5
ANIMAL ID: 25

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:26:01	118.2			
9	05/31/11	5062		06:30:12	163.0		06:30:14	Unremarkable
19	06/10/11	5062		06:21:44	217.7		06:21:51	Unremarkable
26	06/17/11	5062		06:33:52	247.6		06:33:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	407.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 6
ANIMAL ID: 26

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:26:18	114.1			
9	05/31/11	5062		06:30:36	166.6		06:30:38	Unremarkable
19	06/10/11	5062		06:22:07	222.0		06:22:07	Unremarkable
26	06/17/11	5062		06:34:06	248.0		06:34:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:10	252.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 6
ANIMAL ID: 27

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:26:36	124.4			
9	05/31/11	5062		06:30:46	178.0		06:30:47	Unremarkable
19	06/10/11	5062		06:22:32	239.4		06:22:34	Unremarkable
26	06/17/11	5062		06:34:18	280.4		06:34:19	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:25:14	307.0		06:25:14	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 6
ANIMAL ID: 28

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:26:48	106.0			
9	05/31/11	5062		06:30:57	157.3		06:30:58	Unremarkable
19	06/10/11	5062		06:22:51	221.5		06:22:51	Unremarkable
26	06/17/11	5062		06:34:36	258.3		06:34:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:10	353.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 6
ANIMAL ID: 29

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:27:05	131.5			
9	05/31/11	5062		06:31:10	182.7		06:31:12	Unremarkable
19	06/10/11	5062		06:23:03	232.9		06:23:04	Unremarkable
26	06/17/11	5062		06:34:50	263.5		06:34:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:10	265.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 6
ANIMAL ID: 30

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:27:15	112.7			
9	05/31/11	5062		06:31:23	152.3		06:31:24	Unremarkable
19	06/10/11	5062		06:23:17	193.1		06:23:17	Unremarkable
26	06/17/11	5062		06:35:01	214.2		06:35:01	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	324.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 7
ANIMAL ID: 31

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:27:33	126.8			
9	05/31/11	5062		06:31:39	190.1		06:31:41	Unremarkable
19	06/10/11	5062		06:23:34	260.3		06:23:37	Unremarkable
26	06/17/11	5062		06:35:15	307.4		06:35:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	542.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 7
ANIMAL ID: 32

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:27:46	136.5			
9	05/31/11	5062		06:31:52	192.7		06:31:53	Unremarkable
19	06/10/11	5062		06:23:49	249.8		06:23:50	Unremarkable
26	06/17/11	5062		06:35:31	280.9		06:35:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:12	334.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 7
ANIMAL ID: 33

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:27:57	114.0			
9	05/31/11	5062		06:32:01	165.0		06:32:03	Unremarkable
19	06/10/11	5062		06:24:02	219.0		06:24:03	Unremarkable
26	06/17/11	5062		06:35:43	250.6		06:35:44	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:25:59	269.0		06:25:59	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 7
ANIMAL ID: 34

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:28:13	118.5			
9	05/31/11	5062		06:32:16	169.7		06:32:17	Unremarkable
19	06/10/11	5062		06:24:15	230.9		06:24:15	Unremarkable
26	06/17/11	5062		06:35:58	267.3		06:35:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:12	273.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 7
ANIMAL ID: 35

SEX: MALE

TRT#: 1

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:28:27	132.1			
9	05/31/11	5062		06:32:30	188.4		06:32:31	Unremarkable
19	06/10/11	5062		06:24:27	250.1		06:24:30	Unremarkable
26	06/17/11	5062		06:36:11	282.1		06:36:11	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:12	372.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 15
ANIMAL ID: 201

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:40:59	112.1			
9	05/31/11	5062		07:23:01	158.3		07:23:02	Unremarkable
19	06/10/11	5062		06:40:43	208.8		06:40:44	Unremarkable
26	06/17/11	5062		06:54:26	235.6		06:54:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:14	324.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 15
ANIMAL ID: 202

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:41:15	117.5			
9	05/31/11	5062		07:23:11	174.8		07:23:16	Unremarkable
19	06/10/11	5062		06:40:56	244.5		06:40:57	Unremarkable
26	06/17/11	5062		06:54:38	286.0		06:54:39	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:38:41	307.7		06:38:41	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 15
ANIMAL ID: 203

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:41:27	118.5			
9	05/31/11	5062		07:23:23	176.1		07:23:25	Unremarkable
19	06/10/11	5062		06:41:11	242.1		06:41:12	Unremarkable
26	06/17/11	5062		06:54:50	283.0		06:54:51	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:39:04	297.6		06:39:04	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 15
ANIMAL ID: 204

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:41:38	116.0			
9	05/31/11	5062		07:23:33	171.4		07:23:34	Unremarkable
19	06/10/11	5062		06:41:25	235.6		06:41:26	Unremarkable
26	06/17/11	5062		06:55:07	271.0		06:55:07	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:39:32	287.5		06:39:32	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 15
ANIMAL ID: 205

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:41:51	131.1			
9	05/31/11	5062		07:23:43	181.4		07:23:44	Unremarkable
19	06/10/11	5062		06:41:38	236.4		06:41:39	Unremarkable
26	06/17/11	5062		06:55:21	273.2		06:55:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:14	275.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 16
ANIMAL ID: 206

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:42:04	137.6			
9	05/31/11	5062		07:23:53	188.4		07:23:55	Unremarkable
19	06/10/11	5062		06:42:00	254.6		06:42:01	Unremarkable
26	06/17/11	5062		06:55:36	290.7		06:55:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:16	396.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 16
ANIMAL ID: 207

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:42:19	127.7			
9	05/31/11	5062		07:24:04	186.0		07:24:05	Unremarkable
19	06/10/11	5062		06:42:16	240.4		06:42:16	Unremarkable
26	06/17/11	5062		06:55:53	276.9		06:55:54	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:40:42	296.1		06:40:42	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 16
ANIMAL ID: 208

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:42:32	119.5			
9	05/31/11	5062		07:24:17	169.8		07:24:17	Unremarkable
19	06/10/11	5062		06:42:28	224.0		06:42:28	Unremarkable
26	06/17/11	5062		06:56:06	258.7		06:56:07	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:42:48	281.0		06:42:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 16
ANIMAL ID: 209

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:42:44	126.5			
9	05/31/11	5062		07:24:27	178.3		07:24:28	Unremarkable
19	06/10/11	5062		06:42:42	238.1		06:42:43	Unremarkable
26	06/17/11	5062		06:56:19	274.1		06:56:19	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	448.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 16
ANIMAL ID: 210

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:42:58	125.8			
9	05/31/11	5062		07:24:45	179.9		07:24:46	Unremarkable
19	06/10/11	5062		06:42:54	246.4		06:42:54	Unremarkable
26	06/17/11	5062		06:56:38	293.8		06:56:38	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:14	357.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 17
ANIMAL ID: 211

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:43:12	114.8			
9	05/31/11	5062		07:24:57	171.4		07:24:58	Unremarkable
19	06/10/11	5062		06:43:07	231.3		06:43:07	Unremarkable
26	06/17/11	5062		06:56:54	265.8		06:56:54	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	434.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 17
ANIMAL ID: 212

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:43:24	109.9			
9	05/31/11	5062		07:25:25	162.8		07:25:26	Unremarkable
19	06/10/11	5062		06:43:24	225.0		06:43:25	Unremarkable
26	06/17/11	5062		06:57:14	252.4		06:57:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:16	258.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 17
ANIMAL ID: 213

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:43:39	130.5			
9	05/31/11	5062		07:25:36	184.4		07:25:38	Unremarkable
19	06/10/11	5062		06:43:38	249.4		06:43:39	Unremarkable
26	06/17/11	5062		06:57:34	283.2		06:57:34	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:43:58	301.8		06:43:58	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 17
ANIMAL ID: 214

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:43:56	129.8			
9	05/31/11	5062		07:25:54	192.4		07:25:55	Unremarkable
19	06/10/11	5062		06:43:52	248.2		06:43:52	Unremarkable
26	06/17/11	5062		06:57:55	277.9		06:57:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:16	280.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 17
ANIMAL ID: 215

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:44:08	107.1			
9	05/31/11	5062		07:26:03	156.3		07:26:05	Unremarkable
19	06/10/11	5062		06:44:03	206.4		06:44:04	Unremarkable
26	06/17/11	5062		06:58:07	232.6		06:58:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:16	274.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 18
ANIMAL ID: 216

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:44:20	115.6			
9	05/31/11	5062		07:26:20	171.9		07:26:21	Unremarkable
19	06/10/11	5062		06:44:16	229.9		06:44:16	Unremarkable
26	06/17/11	5062		06:58:22	262.7		06:58:23	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:18	266.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 18
ANIMAL ID: 217

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:44:33	132.9			
9	05/31/11	5062		07:26:29	180.2		07:26:30	Unremarkable
19	06/10/11	5062		06:44:39	236.6		06:44:40	Unremarkable
26	06/17/11	5062		06:58:44	266.5		06:58:44	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:18	273.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 18
ANIMAL ID: 218

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:44:46	122.5			
9	05/31/11	5062		07:26:38	177.9		07:26:41	Unremarkable
19	06/10/11	5062		06:44:51	225.4		06:44:52	Unremarkable
26	06/17/11	5062		06:58:57	265.4		06:58:57	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:18	269.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 18
ANIMAL ID: 219

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:44:59	115.2			
9	05/31/11	5062		07:26:56	169.9		07:26:57	Unremarkable
19	06/10/11	5062		06:45:03	220.0		06:45:03	Unremarkable
26	06/17/11	5062		06:59:13	248.0		06:59:13	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
72	08/02/11	1		08:00:18	326.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 18
ANIMAL ID: 220

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:45:12	112.1			
9	05/31/11	5062		07:27:06	161.9		07:27:08	Unremarkable
19	06/10/11	5062		06:45:23	215.0		06:46:16	Nasal/Eye Discharge
26	06/17/11	5062		06:59:29	246.4		07:00:21	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		06:45:29	265.9		06:45:29	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 19
ANIMAL ID: 221

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:45:25	121.1			
9	05/31/11	5062		07:27:23	166.5		07:27:24	Unremarkable
19	06/10/11	5062		06:46:30	216.7		06:46:31	Unremarkable
26	06/17/11	5062		07:00:38	250.8		07:00:39	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:20	299.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 19
ANIMAL ID: 222

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:45:45	130.7			
9	05/31/11	5062		07:27:42	178.3		07:27:43	Unremarkable
19	06/10/11	5062		06:46:46	232.8		06:46:46	Unremarkable
26	06/17/11	5062		07:01:01	261.7		07:01:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:20	262.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 19
ANIMAL ID: 223

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:45:59	108.8			
9	05/31/11	5062		07:27:51	157.3		07:27:55	Unremarkable
19	06/10/11	5062		06:46:58	208.7		06:46:58	Unremarkable
26	06/17/11	5062		07:01:16	242.9		07:01:16	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:20	283.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 19
ANIMAL ID: 224

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:46:12	110.3			
9	05/31/11	5062		07:28:15	167.2		07:28:16	Unremarkable
19	06/10/11	5062		06:47:13	230.7		06:47:13	Unremarkable
26	06/17/11	5062		07:01:36	262.3		07:01:36	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:47:07	281.4		06:47:07	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 19
ANIMAL ID: 225

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:47:03	123.4			
9	05/31/11	5062		07:28:27	173.3		07:28:28	Unremarkable
19	06/10/11	5062		06:47:37	232.4		06:47:38	Unremarkable
26	06/17/11	5062		07:02:25	268.9		07:02:25	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	415.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 20
ANIMAL ID: 226

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:47:18	113.2			
9	05/31/11	5062		07:28:56	175.6		07:28:57	Unremarkable
19	06/10/11	5062		06:48:00	244.5		06:48:00	Unremarkable
26	06/17/11	5062		07:02:38	282.0		07:02:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:22	284.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 20
ANIMAL ID: 227

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:47:29	128.9			
9	05/31/11	5062		07:29:18	179.2		07:29:19	Unremarkable
19	06/10/11	5062		06:48:12	241.9		06:48:13	Unremarkable
26	06/17/11	5062		07:02:56	275.7		07:02:57	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:47:59	300.0		06:47:59	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 20
ANIMAL ID: 228

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:47:42	123.7			
9	05/31/11	5062		07:29:37	182.2		07:29:38	Unremarkable
19	06/10/11	5062		06:48:24	244.9		06:48:24	Unremarkable
26	06/17/11	5062		07:03:13	281.6		07:03:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:20	393.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 20
ANIMAL ID: 229

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:47:56	137.1			
9	05/31/11	5062		07:29:49	196.3		07:29:50	Unremarkable
19	06/10/11	5062		06:48:36	257.8		06:48:36	Unremarkable
26	06/17/11	5062		07:03:27	293.7		07:03:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:22	295.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 20
ANIMAL ID: 230

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:48:08	132.1			
9	05/31/11	5062		07:29:59	180.2		07:30:00	Unremarkable
19	06/10/11	5062		06:48:54	237.1		06:48:54	Unremarkable
26	06/17/11	5062		07:03:38	260.7		07:03:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	438.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 21
ANIMAL ID: 231

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:48:25	117.0			
9	05/31/11	5062		07:30:11	173.4		07:30:12	Unremarkable
19	06/10/11	5062		06:49:06	227.5		06:49:07	Unremarkable
26	06/17/11	5062		07:03:53	260.0		07:03:54	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	409.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 21
ANIMAL ID: 232

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:48:37	119.9			
9	05/31/11	5062		07:30:29	172.0		07:30:29	Unremarkable
19	06/10/11	5062		06:49:17	225.0		06:49:17	Unremarkable
26	06/17/11	5062		07:04:04	254.6		07:04:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:24	307.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 21
ANIMAL ID: 233

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:48:49	116.4			
9	05/31/11	5062		07:30:38	173.0		07:30:40	Unremarkable
19	06/10/11	5062		06:49:29	235.5		06:49:30	Unremarkable
26	06/17/11	5062		07:04:14	273.5		07:04:14	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:48:37	294.4		06:48:37	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 21
ANIMAL ID: 234

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:49:02	116.8			
9	05/31/11	5062		07:30:48	174.9		07:30:49	Unremarkable
19	06/10/11	5062		06:49:40	242.5		06:49:40	Unremarkable
26	06/17/11	5062		07:04:24	281.7		07:04:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:24	283.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 21
ANIMAL ID: 235

SEX: MALE

TRT#: 3

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:49:15	123.4			
9	05/31/11	5062		07:31:01	185.2		07:31:03	Unremarkable
19	06/10/11	5062		06:49:55	245.9		06:49:56	Unremarkable
26	06/17/11	5062		07:04:41	277.6		07:04:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:24	379.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 29
ANIMAL ID: 401

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:00:06	133.6			
9	05/31/11	5062		08:23:06	179.2		08:23:08	Unremarkable
19	06/10/11	5062		07:04:35	228.4		07:04:35	Unremarkable
26	06/17/11	5062		07:16:36	249.3		07:16:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:26	321.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 29
ANIMAL ID: 402

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:00:17	125.5			
9	05/31/11	5062		08:23:17	172.9		08:23:18	Unremarkable
19	06/10/11	5062		07:04:45	230.5		07:04:46	Unremarkable
26	06/17/11	5062		07:16:49	259.1		07:16:49	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:50:44	281.0		06:50:44	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 29
ANIMAL ID: 403

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:00:33	113.4			
9	05/31/11	5062		08:23:27	169.3		08:23:29	Unremarkable
19	06/10/11	5062		07:04:57	232.5		07:04:58	Unremarkable
26	06/17/11	5062		07:17:02	269.2		07:17:02	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:51:01	285.8		06:51:01	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 29
ANIMAL ID: 404

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:00:43	117.5			
9	05/31/11	5062		08:23:39	166.5		08:23:40	Unremarkable
19	06/10/11	5062		07:05:09	228.2		07:05:10	Unremarkable
26	06/17/11	5062		07:17:15	268.8		07:17:15	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:51:31	287.1		06:51:31	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 29
ANIMAL ID: 405

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:00:54	129.4			
9	05/31/11	5062		08:23:50	191.5		08:23:51	Unremarkable
19	06/10/11	5062		07:05:19	253.5		07:05:20	Unremarkable
26	06/17/11	5062		07:17:28	289.1		07:17:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:26	291.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 30
ANIMAL ID: 406

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:01:10	111.1			
9	05/31/11	5062		08:24:04	159.3		08:24:05	Unremarkable
19	06/10/11	5062		07:05:37	218.2		07:05:37	Unremarkable
26	06/17/11	5062		07:17:40	256.1		07:17:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:28	359.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 30
ANIMAL ID: 407

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:01:22	120.9			
9	05/31/11	5062		08:24:14	169.1		08:24:16	Unremarkable
19	06/10/11	5062		07:05:48	217.8		07:05:48	Unremarkable
26	06/17/11	5062		07:17:51	246.8		07:17:52	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:52:21	259.3		06:52:21	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 30
ANIMAL ID: 408

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:01:35	114.7			
9	05/31/11	5062		08:24:25	170.7		08:24:26	Unremarkable
19	06/10/11	5062		07:06:00	237.6		07:06:00	Unremarkable
26	06/17/11	5062		07:18:02	281.0		07:18:03	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:52:52	306.5		06:52:52	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 30
ANIMAL ID: 409

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:01:46	114.4			
9	05/31/11	5062		08:24:37	174.0		08:24:37	Unremarkable
19	06/10/11	5062		07:06:12	236.3		07:06:13	Unremarkable
26	06/17/11	5062		07:18:16	276.6		07:18:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	431.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 30
ANIMAL ID: 410

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:02:02	103.8			
9	05/31/11	5062		08:24:58	150.8		08:25:00	Unremarkable
19	06/10/11	5062		07:06:31	206.8		07:06:31	Unremarkable
26	06/17/11	5062		07:18:29	240.1		07:18:29	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:26	287.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 31
ANIMAL ID: 411

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:02:14	117.3			
9	05/31/11	5062		08:25:10	169.1		08:25:11	Unremarkable
19	06/10/11	5062		07:06:45	228.4		07:06:46	Unremarkable
26	06/17/11	5062		07:18:47	254.6		07:18:47	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	413.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 31
ANIMAL ID: 412

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:02:32	128.6			
9	05/31/11	5062		08:25:28	177.1		08:25:30	Unremarkable
19	06/10/11	5062		07:06:57	233.2		07:06:58	Unremarkable
26	06/17/11	5062		07:19:05	256.2		07:19:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:30	255.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 31
ANIMAL ID: 413

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:02:49	126.7			
9	05/31/11	5062		08:25:40	183.4		08:25:41	Unremarkable
19	06/10/11	5062		07:07:11	241.9		07:07:12	Unremarkable
26	06/17/11	5062		07:19:20	273.0		07:19:21	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:53:27	288.3		06:53:27	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 31
ANIMAL ID: 414

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:00	115.1			
9	05/31/11	5062		08:25:55	165.7		08:25:57	Unremarkable
19	06/10/11	5062		07:07:24	223.8		07:07:25	Unremarkable
26	06/17/11	5062		07:19:36	263.3		07:19:37	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:30	258.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 31
ANIMAL ID: 415

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:10	133.2			
9	05/31/11	5062		08:26:06	176.3		08:26:07	Unremarkable
19	06/10/11	5062		07:07:40	221.8		07:07:41	Unremarkable
26	06/17/11	5062		07:19:49	251.0		07:19:49	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:28	292.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 32
ANIMAL ID: 416

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:22	126.5			
9	05/31/11	5062		08:26:18	173.8		08:26:19	Unremarkable
19	06/10/11	5062		07:08:03	218.0		07:08:03	Unremarkable
26	06/17/11	5062		07:20:03	241.5		07:20:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:32	241.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 32
ANIMAL ID: 417

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:32	110.7			
9	05/31/11	5062		08:26:29	158.6		08:26:30	Unremarkable
19	06/10/11	5062		07:08:15	210.1		07:08:16	Unremarkable
26	06/17/11	5062		07:20:17	241.5		07:20:17	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:32	242.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 32
ANIMAL ID: 418

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:43	123.8			
9	05/31/11	5062		08:26:43	170.2		08:26:53	Unremarkable
19	06/10/11	5062		07:08:26	221.8		07:08:27	Unremarkable
26	06/17/11	5062		07:20:31	247.3		07:20:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:32	246.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 32
ANIMAL ID: 419

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:03:59	131.5			
9	05/31/11	5062		08:27:02	186.9		08:27:03	Unremarkable
19	06/10/11	5062		07:08:40	251.3		07:08:40	Unremarkable
26	06/17/11	5062		07:20:44	290.5		07:20:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:30	396.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 32
ANIMAL ID: 420

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:04:09	119.5			
9	05/31/11	5062		08:27:17	171.1		08:27:19	Unremarkable
19	06/10/11	5062		07:08:51	225.1		07:08:52	Unremarkable
26	06/17/11	5062		07:20:58	253.4		07:20:59	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:54:07	271.6		06:54:07	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 33
ANIMAL ID: 421

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:04:22	120.7			
9	05/31/11	5062		08:27:31	176.9		08:27:32	Unremarkable
19	06/10/11	5062		07:09:12	241.3		07:09:13	Unremarkable
26	06/17/11	5062		07:21:10	275.6		07:21:11	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:30	327.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 33
ANIMAL ID: 422

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:04:34	128.7			
9	05/31/11	5062		08:27:52	174.0		08:27:53	Unremarkable
19	06/10/11	5062		07:09:34	228.4		07:09:35	Unremarkable
26	06/17/11	5062		07:22:12	259.5		07:22:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:34	263.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 33
ANIMAL ID: 423

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:04:48	113.2			
9	05/31/11	5062		08:28:05	161.5		08:28:07	Unremarkable
19	06/10/11	5062		07:09:52	226.5		07:09:53	Unremarkable
26	06/17/11	5062		07:22:29	267.2		07:22:30	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:30	318.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 33
ANIMAL ID: 424

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:05:26	110.4			
9	05/31/11	5062		08:28:23	161.5		08:28:27	Unremarkable
19	06/10/11	5062		07:10:42	229.5		07:10:44	Unremarkable
26	06/17/11	5062		07:22:44	264.4		07:22:45	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:55:11	287.8		06:55:11	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 33
ANIMAL ID: 425

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:06:16	131.4			
9	05/31/11	5062		08:28:42	186.4		08:28:43	Unremarkable
19	06/10/11	5062		07:10:55	247.2		07:10:56	Unremarkable
26	06/17/11	5062		07:23:30	281.9		07:23:30	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	434.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 34
ANIMAL ID: 426

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:06:32	136.5			
9	05/31/11	5062		08:29:07	190.2		08:29:08	Unremarkable
19	06/10/11	5062		07:11:25	252.1		07:11:25	Unremarkable
26	06/17/11	5062		07:23:47	277.0		07:23:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:36	278.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 34
ANIMAL ID: 427

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:06:43	109.0			
9	05/31/11	5062		08:29:16	160.9		08:29:28	Unremarkable
19	06/10/11	5062		07:12:04	231.2		07:12:08	Unremarkable
26	06/17/11	5062		07:24:04	263.0		07:24:05	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:55:45	284.8		06:55:45	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 34
ANIMAL ID: 428

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:06:53	128.4			
9	05/31/11	5062		08:30:19	186.1		08:30:20	Unremarkable
19	06/10/11	5062		07:12:23	247.1		07:12:24	Unremarkable
26	06/17/11	5062		07:24:17	276.8		07:24:17	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:32	370.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 34
ANIMAL ID: 429

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:07:03	125.0			
9	05/31/11	5062		08:30:36	183.0		08:30:57	Unremarkable
19	06/10/11	5062		07:12:39	243.2		07:12:40	Unremarkable
26	06/17/11	5062		07:24:28	271.2		07:24:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:36	271.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 34
ANIMAL ID: 430

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:07:12	120.3			
9	05/31/11	5062		08:32:03	179.1		08:32:04	Unremarkable
19	06/10/11	5062		07:12:55	238.8		07:12:55	Unremarkable
26	06/17/11	5062		07:24:38	279.7		07:24:39	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	446.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 35
ANIMAL ID: 431

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:07:25	122.1			
9	05/31/11	5062		08:32:15	180.9		08:32:16	Unremarkable
19	06/10/11	5062		07:13:15	244.5		07:13:15	Unremarkable
26	06/17/11	5062		07:24:59	277.8		07:25:00	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	431.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 35
ANIMAL ID: 432

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:07:37	121.2			
9	05/31/11	5062		08:32:29	177.9		08:32:31	Unremarkable
19	06/10/11	5062		07:13:31	234.7		07:13:32	Unremarkable
26	06/17/11	5062		07:25:13	262.2		07:25:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:34	299.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 35
ANIMAL ID: 433

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:07:49	113.5			
9	05/31/11	5062		08:32:39	156.2		08:32:41	Unremarkable
19	06/10/11	5062		07:13:53	210.0		07:13:54	Unremarkable
26	06/17/11	5062		07:25:25	236.3		07:25:25	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:56:23	252.2		06:56:23	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 35
ANIMAL ID: 434

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:08:01	111.6			
9	05/31/11	5062		08:32:49	157.6		08:32:51	Unremarkable
19	06/10/11	5062		07:14:04	208.7		07:14:05	Unremarkable
26	06/17/11	5062		07:25:38	240.3		07:25:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:38	243.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 35
ANIMAL ID: 435

SEX: MALE

TRT#: 5

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:08:11	110.9			
9	05/31/11	5062		08:33:09	163.5		08:34:05	Unremarkable
19	06/10/11	5062		07:14:15	222.0		07:14:15	Unremarkable
26	06/17/11	5062		07:25:51	251.6		07:25:52	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:34	337.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 43
ANIMAL ID: 601

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:19:09	130.3			
9	05/31/11	5062		09:19:09	174.0		09:19:11	Unremarkable
19	06/10/11	5062		07:31:53	219.4		07:31:54	Unremarkable
26	06/17/11	5062		07:45:03	254.1		07:45:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:36	351.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 43
ANIMAL ID: 602

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:19:21	121.8			
9	05/31/11	5062		09:19:35	178.5		09:19:37	Unremarkable
19	06/10/11	5062		07:32:08	248.1		07:32:08	Unremarkable
26	06/17/11	5062		07:45:15	289.7		07:45:15	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:00:22	313.5		07:00:22	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 43
ANIMAL ID: 603

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:19:31	129.2			
9	05/31/11	5062		09:19:50	181.6		09:19:51	Unremarkable
19	06/10/11	5062		07:32:19	234.3		07:32:20	Unremarkable
26	06/17/11	5062		07:45:27	264.5		07:45:27	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:59:34	284.6		06:59:34	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 43
ANIMAL ID: 604

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:19:41	122.2			
9	05/31/11	5062		09:19:59	167.7		09:20:00	Unremarkable
19	06/10/11	5062		07:32:30	222.9		07:32:30	Unremarkable
26	06/17/11	5062		07:45:43	256.4		07:45:44	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		06:59:48	275.8		06:59:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 43
ANIMAL ID: 605

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:19:52	124.4			
9	05/31/11	5062		09:20:10	173.3		09:20:11	Unremarkable
19	06/10/11	5062		07:32:41	220.4		07:32:41	Unremarkable
26	06/17/11	5062		07:45:54	247.2		07:45:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:40	240.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 44
ANIMAL ID: 606

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:20:03	136.8			
9	05/31/11	5062		09:20:25	191.3		09:20:27	Unremarkable
19	06/10/11	5062		07:32:55	248.0		07:32:56	Unremarkable
26	06/17/11	5062		07:46:09	286.0		07:46:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:38	387.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 44
ANIMAL ID: 607

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:20:46	112.4			
9	05/31/11	5062		09:20:36	157.7		09:20:37	Unremarkable
19	06/10/11	5062		07:33:07	201.7		07:33:07	Unremarkable
26	06/17/11	5062		07:46:20	231.1		07:46:21	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		07:01:15	243.7		07:01:15	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 44
ANIMAL ID: 608

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:20:58	120.2			
9	05/31/11	5062		09:20:50	175.8		09:20:51	Unremarkable
19	06/10/11	5062		07:33:19	234.9		07:33:20	Unremarkable
26	06/17/11	5062		07:46:36	268.0		07:46:36	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:01:39	289.9		07:01:39	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 44
ANIMAL ID: 609

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:21:09	125.7			
9	05/31/11	5062		09:20:59	177.7		09:21:07	Unremarkable
19	06/10/11	5062		07:33:30	232.5		07:33:30	Unremarkable
26	06/17/11	5062		07:46:46	261.7		07:46:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	429.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 44
ANIMAL ID: 610

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:21:31	119.0			
9	05/31/11	5062		09:21:16	173.9		09:21:17	Unremarkable
19	06/10/11	5062		07:33:40	229.0		07:33:41	Unremarkable
26	06/17/11	5062		07:47:08	265.2		07:47:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:38	306.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 45
ANIMAL ID: 611

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:21:45	114.8			
9	05/31/11	5062		09:21:28	171.4		09:21:29	Unremarkable
19	06/10/11	5062		07:33:53	230.7		07:33:54	Unremarkable
26	06/17/11	5062		07:47:21	272.6		07:47:22	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	479.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 45
ANIMAL ID: 612

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:21:55	118.1			
9	05/31/11	5062		09:21:40	163.9		09:21:41	Unremarkable
19	06/10/11	5062		07:34:04	217.2		07:34:04	Unremarkable
26	06/17/11	5062		07:47:49	245.8		07:47:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:44	251.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 45
ANIMAL ID: 613

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:22:07	120.7			
9	05/31/11	5062		09:21:52	172.3		09:21:53	Unremarkable
19	06/10/11	5062		07:34:16	218.5		07:34:17	Unremarkable
26	06/17/11	5062		07:48:12	248.4		07:48:12	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:02:14	264.0		07:02:14	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 45
ANIMAL ID: 614

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:22:21	127.2			
9	05/31/11	5062		09:22:13	181.0		09:22:14	Unremarkable
19	06/10/11	5062		07:34:33	226.0		07:34:33	Unremarkable
26	06/17/11	5062		07:48:30	254.3		07:48:30	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:44	258.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 45
ANIMAL ID: 615

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:22:32	110.2			
9	05/31/11	5062		09:22:24	162.1		09:22:26	Unremarkable
19	06/10/11	5062		07:34:44	218.8		07:34:45	Unremarkable
26	06/17/11	5062		07:48:52	249.6		07:48:53	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:40	295.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 46
ANIMAL ID: 616

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:22:46	114.1			
9	05/31/11	5062		09:22:35	168.7		09:22:37	Unremarkable
19	06/10/11	5062		07:34:57	228.5		07:34:58	Unremarkable
26	06/17/11	5062		07:49:09	268.5		07:49:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:46	276.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 46
ANIMAL ID: 617

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:22:56	129.7			
9	05/31/11	5062		09:22:50	183.4		09:22:51	Unremarkable
19	06/10/11	5062		07:35:08	233.7		07:35:09	Unremarkable
26	06/17/11	5062		07:49:26	259.9		07:49:27	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:46	263.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 46
ANIMAL ID: 618

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:23:07	122.7			
9	05/31/11	5062		09:23:00	179.0		09:23:01	Unremarkable
19	06/10/11	5062		07:35:50	245.6		07:35:50	Unremarkable
26	06/17/11	5062		07:49:44	275.7		07:49:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:46	282.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 46
ANIMAL ID: 619

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:23:18	120.2			
9	05/31/11	5062		09:23:14	172.5		09:23:17	Unremarkable
19	06/10/11	5062		07:36:07	235.6		07:36:08	Unremarkable
26	06/17/11	5062		07:50:02	276.0		07:50:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:40	389.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 46
ANIMAL ID: 620

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:23:29	106.9			
9	05/31/11	5062		09:23:26	156.2		09:23:27	Unremarkable
19	06/10/11	5062		07:36:20	217.3		07:36:20	Unremarkable
26	06/17/11	5062		07:50:23	257.7		07:50:23	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:02:56	282.3		07:02:56	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 47
ANIMAL ID: 621

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:23:41	132.3			
9	05/31/11	5062		09:23:40	186.8		09:23:42	Unremarkable
19	06/10/11	5062		07:36:34	237.5		07:36:35	Unremarkable
26	06/17/11	5062		07:50:36	270.9		07:50:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:42	315.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 47
ANIMAL ID: 622

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:23:51	130.2			
9	05/31/11	5062		09:23:54	180.6		09:23:56	Unremarkable
19	06/10/11	5062		07:36:53	243.1		07:36:53	Unremarkable
26	06/17/11	5062		07:51:02	273.0		07:51:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:48	273.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 47
ANIMAL ID: 623

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:24:02	120.1			
9	05/31/11	5062		09:24:04	176.1		09:24:06	Unremarkable
19	06/10/11	5062		07:37:05	226.3		07:37:05	Unremarkable
26	06/17/11	5062		07:51:23	263.9		07:51:24	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:42	312.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 47
ANIMAL ID: 624

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:24:13	131.5			
9	05/31/11	5062		09:24:20	195.5		09:24:21	Unremarkable
19	06/10/11	5062		07:37:29	263.8		07:37:30	Unremarkable
26	06/17/11	5062		07:51:42	296.8		07:51:42	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:04:38	320.2		07:04:38	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 47
ANIMAL ID: 625

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:01	119.6			
9	05/31/11	5062		09:24:37	173.7		09:24:37	Unremarkable
19	06/10/11	5062		07:37:48	235.7		07:37:49	Unremarkable
26	06/17/11	5062		07:52:37	266.8		07:52:37	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	452.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 48
ANIMAL ID: 626

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:11	122.9			
9	05/31/11	5062		09:24:54	178.8		09:24:55	Unremarkable
19	06/10/11	5062		07:38:29	242.6		07:38:29	Unremarkable
26	06/17/11	5062		07:52:53	279.9		07:52:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:50	285.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 48
ANIMAL ID: 627

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:21	104.2			
9	05/31/11	5062		09:25:11	154.7		09:25:13	Unremarkable
19	06/10/11	5062		07:38:43	203.8		07:38:44	Unremarkable
26	06/17/11	5062		07:53:06	245.8		07:53:07	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:05:34	263.7		07:05:34	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 48
ANIMAL ID: 628

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:33	142.1			
9	05/31/11	5062		09:25:39	196.7		09:25:41	Unremarkable
19	06/10/11	5062		07:38:56	262.0		07:38:56	Unremarkable
26	06/17/11	5062		07:53:28	292.9		07:53:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:42	417.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 48
ANIMAL ID: 629

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:47	120.5			
9	05/31/11	5062		09:25:55	179.8		09:25:57	Unremarkable
19	06/10/11	5062		07:39:10	247.8		07:39:11	Unremarkable
26	06/17/11	5062		07:55:49	285.5		07:55:49	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:50	292.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 48
ANIMAL ID: 630

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:25:57	129.1			
9	05/31/11	5062		09:26:11	182.5		09:26:12	Unremarkable
19	06/10/11	5062		07:39:35	234.0		07:39:36	Unremarkable
26	06/17/11	5062		07:56:01	270.0		07:56:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	439.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 49
ANIMAL ID: 631

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:26:44	113.9			
9	05/31/11	5062		09:26:23	164.4		09:26:25	Unremarkable
19	06/10/11	5062		07:40:02	221.1		07:40:03	Unremarkable
26	06/17/11	5062		07:56:24	253.3		07:56:24	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	426.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 49
ANIMAL ID: 632

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:26:54	111.4			
9	05/31/11	5062		09:26:45	166.0		09:26:47	Unremarkable
19	06/10/11	5062		07:40:16	219.3		07:40:17	Unremarkable
26	06/17/11	5062		07:56:36	247.5		07:56:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:44	290.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 49
ANIMAL ID: 633

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:27:04	107.1			
9	05/31/11	5062		09:27:05	155.4		09:27:08	Unremarkable
19	06/10/11	5062		07:40:28	219.0		07:40:28	Unremarkable
26	06/17/11	5062		07:56:46	260.1		07:56:47	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:06:12	280.3		07:06:12	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 49
ANIMAL ID: 634

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:27:16	107.9			
9	05/31/11	5062		09:27:16	144.9		09:27:18	Unremarkable
19	06/10/11	5062		07:40:41	185.4		07:40:43	Unremarkable
26	06/17/11	5062		07:57:00	203.9		07:57:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:52	200.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 49
ANIMAL ID: 635

SEX: MALE

TRT#: 7

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:27:26	108.6			
9	05/31/11	5062		09:27:29	158.2		09:27:32	Unremarkable
19	06/10/11	5062		07:40:55	207.4		07:40:56	Unremarkable
26	06/17/11	5062		07:57:14	234.7		07:57:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:44	335.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 57
ANIMAL ID: 801

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:02	112.4			
9	05/31/11	5062		09:40:50	167.5		09:40:51	Unremarkable
19	06/10/11	5062		07:59:51	235.1		07:59:51	Unremarkable
26	06/17/11	5062		08:14:02	269.0		08:14:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:46	370.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 57
ANIMAL ID: 802

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:12	117.2			
9	05/31/11	5062		09:41:00	171.5		09:41:01	Unremarkable
19	06/10/11	5062		08:00:01	236.8		08:00:02	Unremarkable
26	06/17/11	5062		08:14:19	271.1		08:14:21	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:08:47	292.4		07:08:47	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 57
ANIMAL ID: 803

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:21	119.3			
9	05/31/11	5062		09:41:20	174.4		09:41:21	Unremarkable
19	06/10/11	5062		08:00:15	240.3		08:00:15	Unremarkable
26	06/17/11	5062		08:14:31	278.3		08:14:31	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:09:00	300.5		07:09:00	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 57
ANIMAL ID: 804

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:31	129.6			
9	05/31/11	5062		09:41:36	177.6		09:41:37	Unremarkable
19	06/10/11	5062		08:00:25	231.8		08:00:26	Unremarkable
26	06/17/11	5062		08:14:45	257.7		08:14:45	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:09:26	280.8		07:09:26	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 57
ANIMAL ID: 805

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:41	121.1			
9	05/31/11	5062		09:41:47	174.5		09:41:48	Unremarkable
19	06/10/11	5062		08:00:42	228.5		08:00:44	Unremarkable
26	06/17/11	5062		08:15:12	258.4		08:15:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:54	261.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 58
ANIMAL ID: 806

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:37:53	107.3			
9	05/31/11	5062		09:41:58	156.9		09:42:00	Unremarkable
19	06/10/11	5062		08:00:57	209.6		08:00:57	Unremarkable
26	06/17/11	5062		08:15:28	252.8		08:15:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:48	369.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 58
ANIMAL ID: 807

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:38:04	124.4			
9	05/31/11	5062		09:42:10	171.4		09:42:11	Unremarkable
19	06/10/11	5062		08:01:07	221.1		08:01:07	Unremarkable
26	06/17/11	5062		08:15:50	257.0		08:15:50	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		07:10:18	274.1		07:10:18	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 58
ANIMAL ID: 808

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:38:17	136.4			
9	05/31/11	5062		09:42:19	190.2		09:42:20	Unremarkable
19	06/10/11	5062		08:01:34	243.9		08:01:34	Unremarkable
26	06/17/11	5062		08:16:05	284.3		08:16:09	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		07:10:52	312.9		07:10:52	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 58
ANIMAL ID: 809

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:38:28	106.9			
9	05/31/11	5062		09:42:33	159.2		09:42:33	Unremarkable
19	06/10/11	5062		08:01:49	217.5		08:01:50	Unremarkable
26	06/17/11	5062		08:16:17	257.4		08:16:19	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	435.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 58
ANIMAL ID: 810

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:38:40	109.7			
9	05/31/11	5062		09:42:53	161.3		09:42:54	Unremarkable
19	06/10/11	5062		08:02:03	219.9		08:02:04	Unremarkable
26	06/17/11	5062		08:16:35	259.0		08:16:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:46	318.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 59
ANIMAL ID: 811

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:38:51	122.8			
9	05/31/11	5062		09:43:07	174.1		09:43:07	Unremarkable
19	06/10/11	5062		08:02:24	237.7		08:02:26	Unremarkable
26	06/17/11	5062		08:16:54	271.1		08:16:54	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	466.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 59
ANIMAL ID: 812

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:01	108.4			
9	05/31/11	5062		09:43:19	163.8		09:43:21	Unremarkable
19	06/10/11	5062		08:02:45	223.7		08:02:48	Unremarkable
26	06/17/11	5062		08:17:06	253.3		08:17:07	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:00:56	259.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 59
ANIMAL ID: 813

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:11	113.1			
9	05/31/11	5062		09:43:35	171.0		09:43:37	Unremarkable
19	06/10/11	5062		08:03:02	233.2		08:03:03	Unremarkable
26	06/17/11	5062		08:17:34	267.5		08:17:34	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:11:26	292.7		07:11:26	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 59
ANIMAL ID: 814

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:24	137.2			
9	05/31/11	5062		09:43:55	200.7		09:43:56	Unremarkable
19	06/10/11	5062		08:03:27	266.0		08:03:28	Unremarkable
26	06/17/11	5062		08:17:43	305.4		08:17:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:56	314.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 59
ANIMAL ID: 815

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:33	134.6			
9	05/31/11	5062		09:44:05	188.6		09:44:07	Unremarkable
19	06/10/11	5062		08:03:43	243.6		08:03:43	Unremarkable
26	06/17/11	5062		08:17:58	281.7		08:17:59	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:48	330.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 60
ANIMAL ID: 816

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:47	117.7			
9	05/31/11	5062		09:44:17	167.5		09:44:19	Unremarkable
19	06/10/11	5062		08:03:59	226.6		08:04:00	Unremarkable
26	06/17/11	5062		08:18:15	258.4		08:18:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:58	259.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 60
ANIMAL ID: 817

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:39:57	106.8			
9	05/31/11	5062		09:44:27	163.8		09:44:28	Unremarkable
19	06/10/11	5062		08:04:10	224.7		08:04:10	Unremarkable
26	06/17/11	5062		08:18:28	269.1		08:18:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:58	274.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 60
ANIMAL ID: 818

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:06	119.9			
9	05/31/11	5062		09:44:36	186.9		09:44:38	Unremarkable
19	06/10/11	5062		08:04:22	256.1		08:04:22	Unremarkable
26	06/17/11	5062		08:18:40	298.1		08:18:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:00:58	301.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 60
ANIMAL ID: 819

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:16	121.0			
9	05/31/11	5062		09:44:47	181.5		09:44:48	Unremarkable
19	06/10/11	5062		08:04:34	234.1		08:04:35	Unremarkable
26	06/17/11	5062		08:18:51	274.7		08:18:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:50	371.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 60
ANIMAL ID: 820

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:26	119.8			
9	05/31/11	5062		09:44:57	170.6		09:44:58	Unremarkable
19	06/10/11	5062		08:04:45	220.6		08:04:46	Unremarkable
26	06/17/11	5062		08:19:02	257.1		08:19:02	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:12:04	282.5		07:12:04	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 61
ANIMAL ID: 821

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:39	110.8			
9	05/31/11	5062		09:45:06	165.1		09:45:07	Unremarkable
19	06/10/11	5062		08:04:59	219.0		08:05:02	Unremarkable
26	06/17/11	5062		08:19:13	255.6		08:19:13	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:50	310.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 61
ANIMAL ID: 822

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:48	125.3			
9	05/31/11	5062		09:45:22	182.6		09:45:22	Unremarkable
19	06/10/11	5062		08:06:07	244.6		08:06:14	Unremarkable
26	06/17/11	5062		08:19:29	273.2		08:19:30	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:00	269.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 61
ANIMAL ID: 823

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:40:58	135.5			
9	05/31/11	5062		09:45:31	199.6		09:45:33	Unremarkable
19	06/10/11	5062		08:06:38	258.4		08:06:42	Unremarkable
26	06/17/11	5062		08:19:42	294.5		08:19:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:50	345.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 61
ANIMAL ID: 824

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:41:07	131.7			
9	05/31/11	5062		09:45:46	189.3		09:45:48	Unremarkable
19	06/10/11	5062		08:07:09	240.5		08:07:10	Unremarkable
26	06/17/11	5062		08:20:15	270.8		08:20:16	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:12:47	290.0		07:12:47	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 61
ANIMAL ID: 825

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:41:43	112.4			
9	05/31/11	5062		09:46:06	162.7		09:46:06	Unremarkable
19	06/10/11	5062		08:07:21	220.5		08:07:21	Unremarkable
26	06/17/11	5062		08:21:04	248.6		08:21:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	407.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 62
ANIMAL ID: 826

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:41:54	110.2			
9	05/31/11	5062		09:46:19	155.5		09:46:20	Unremarkable
19	06/10/11	5062		08:11:28	204.2		08:08:42	Unremarkable
26	06/17/11	5062		08:21:24	230.4		08:21:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:02	235.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 62
ANIMAL ID: 827

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:42:03	128.2			
9	05/31/11	5062		09:46:34	181.6		09:46:34	Unremarkable
19	06/10/11	5062		08:12:34	247.1		08:10:07	Unremarkable
26	06/17/11	5062		08:21:33	281.5		08:21:33	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:13:37	302.9		07:13:37	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 62
ANIMAL ID: 828

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:42:14	128.0			
9	05/31/11	5062		09:46:52	190.2		09:46:58	Unremarkable
19	06/10/11	5062		08:10:13	260.0		08:10:16	Unremarkable
26	06/17/11	5062		08:21:45	302.0		08:21:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:52	417.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 62
ANIMAL ID: 829

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:42:25	141.9			
9	05/31/11	5062		09:47:13	196.8		09:47:14	Unremarkable
19	06/10/11	5062		08:10:26	255.6		08:10:27	Unremarkable
26	06/17/11	5062		08:21:57	293.2		08:21:58	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:02	294.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 62
ANIMAL ID: 830

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:42:34	124.6			
9	05/31/11	5062		09:47:25	179.4		09:47:31	Unremarkable
19	06/10/11	5062		08:10:40	237.5		08:10:42	Unremarkable
26	06/17/11	5062		08:22:13	271.9		08:22:13	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	442.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 63
ANIMAL ID: 831

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:42:53	107.6			
9	05/31/11	5062		09:47:46	160.3		09:47:52	Unremarkable
19	06/10/11	5062		08:13:04	218.1		08:13:05	Unremarkable
26	06/17/11	5062		08:22:31	250.7		08:22:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
156	10/25/11	1		07:45:25	372.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 63
ANIMAL ID: 832

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:43:02	116.0			
9	05/31/11	5062		09:48:02	173.4		09:48:03	Unremarkable
19	06/10/11	5062		08:13:19	228.3		08:13:24	Unremarkable
26	06/17/11	5062		08:22:44	273.5		08:22:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:54	311.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 63
ANIMAL ID: 833

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:43:12	114.7			
9	05/31/11	5062		09:48:12	165.9		09:48:13	Unremarkable
19	06/10/11	5062		08:13:36	224.9		08:13:36	Unremarkable
26	06/17/11	5062		08:22:57	261.1		08:22:57	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:14:04	281.4		07:14:04	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 63
ANIMAL ID: 834

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:43:26	130.0			
9	05/31/11	5062		09:48:27	188.8		09:48:28	Unremarkable
19	06/10/11	5062		08:13:47	249.7		08:13:47	Unremarkable
26	06/17/11	5062		08:23:09	284.1		08:23:10	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:04	285.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 63
ANIMAL ID: 835

SEX: MALE

TRT#: 9

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:43:36	112.7			
9	05/31/11	5062		09:48:40	167.0		09:48:41	Unremarkable
19	06/10/11	5062		08:13:58	222.4		08:13:59	Unremarkable
26	06/17/11	5062		08:23:20	257.8		08:23:21	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:54	366.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 71
ANIMAL ID: 1001

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:54:05	140.5			
9	05/31/11	5062		10:06:40	198.4		10:06:42	Unremarkable
19	06/10/11	5062		08:29:57	250.2		08:29:57	Unremarkable
26	06/17/11	5062		08:43:16	287.9		08:43:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:56	395.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 71
ANIMAL ID: 1002

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:54:14	126.3			
9	05/31/11	5062		10:06:50	181.2		10:06:51	Unremarkable
19	06/10/11	5062		08:30:09	245.2		08:30:10	Unremarkable
26	06/17/11	5062		08:43:39	277.5		08:43:39	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:16:02	300.4		07:16:02	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 71
ANIMAL ID: 1003

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:54:24	123.4			
9	05/31/11	5062		10:07:01	180.0		10:07:01	Unremarkable
19	06/10/11	5062		08:30:26	245.0		08:30:26	Unremarkable
26	06/17/11	5062		08:43:51	281.8		08:43:52	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:16:24	295.3		07:16:24	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 71
ANIMAL ID: 1004

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:54:40	131.4			
9	05/31/11	5062		10:07:12	188.7		10:07:12	Unremarkable
19	06/10/11	5062		08:30:36	242.9		08:30:36	Unremarkable
26	06/17/11	5062		08:44:03	272.9		08:44:04	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		07:17:09	291.3		07:17:09	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 71
ANIMAL ID: 1005

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:54:50	123.0			
9	05/31/11	5062		10:07:23	174.3		10:07:24	Unremarkable
19	06/10/11	5062		08:30:48	230.2		08:30:49	Unremarkable
26	06/17/11	5062		08:44:23	271.3		08:44:23	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:08	274.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 72
ANIMAL ID: 1006

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:55:01	122.8			
9	05/31/11	5062		10:07:34	159.1		10:07:34	Unremarkable
19	06/10/11	5062		08:31:03	201.7		08:31:03	Unremarkable
26	06/17/11	5062		08:44:41	225.7		08:44:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:00:58	297.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 72
ANIMAL ID: 1007

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:55:13	122.9			
9	05/31/11	5062		10:07:47	164.1		10:07:47	Unremarkable
19	06/10/11	5062		08:31:13	198.2		08:31:15	Unremarkable
26	06/17/11	5062		08:44:59	219.3		08:44:59	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:17:56	230.5		07:17:56	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 72
ANIMAL ID: 1008

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:55:25	107.6			
9	05/31/11	5062		10:07:56	159.1		10:07:57	Unremarkable
19	06/10/11	5062		08:31:28	222.6		08:31:30	Unremarkable
26	06/17/11	5062		08:45:13	262.3		08:45:13	Unremarkable
REMOVED ** REASON - TSAC								
31	06/22/11	5062		07:18:57	285.0		07:18:57	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 72
ANIMAL ID: 1009

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:55:37	123.8			
9	05/31/11	5062		10:08:11	181.3		10:08:11	Unremarkable
19	06/10/11	5062		08:31:44	245.9		08:31:46	Unremarkable
26	06/17/11	5062		08:45:29	283.8		08:45:29	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	478.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 72
ANIMAL ID: 1010

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:55:51	119.6			
9	05/31/11	5062		10:08:25	175.8		10:08:26	Unremarkable
19	06/10/11	5062		08:31:59	242.0		08:32:01	Unremarkable
26	06/17/11	5062		08:45:46	282.2		08:45:47	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:00:56	338.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 73
ANIMAL ID: 1011

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:56:04	108.4			
9	05/31/11	5062		10:08:38	163.4		10:08:39	Unremarkable
19	06/10/11	5062		08:32:18	228.9		08:32:19	Unremarkable
26	06/17/11	5062		08:46:10	273.6		08:46:11	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	480.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 73
ANIMAL ID: 1012

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:56:17	112.9			
9	05/31/11	5062		10:08:49	164.6		10:08:50	Unremarkable
19	06/10/11	5062		08:32:45	227.3		08:32:46	Unremarkable
26	06/17/11	5062		08:46:28	266.1		08:46:29	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:12	275.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 73
ANIMAL ID: 1013

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:56:31	134.6			
9	05/31/11	5062		10:09:03	195.3		10:09:03	Unremarkable
19	06/10/11	5062		08:33:02	256.7		08:33:03	Unremarkable
26	06/17/11	5062		08:46:47	288.6		08:46:47	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:19:36	311.5		07:19:36	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 73
ANIMAL ID: 1014

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:56:43	105.9			
9	05/31/11	5062		10:09:17	159.1		10:09:18	Unremarkable
19	06/10/11	5062		08:33:13	224.1		08:33:13	Unremarkable
26	06/17/11	5062		08:47:02	260.7		08:47:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:12	268.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 73
ANIMAL ID: 1015

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:56:54	118.8			
9	05/31/11	5062		10:09:34	161.3		10:09:35	Unremarkable
19	06/10/11	5062		08:33:23	213.1		08:33:23	Unremarkable
26	06/17/11	5062		08:47:15	237.5		08:47:16	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:00:58	279.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 74
ANIMAL ID: 1016

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:57:07	115.6			
9	05/31/11	5062		10:09:44	173.1		10:09:45	Unremarkable
19	06/10/11	5062		08:33:33	232.3		08:33:34	Unremarkable
26	06/17/11	5062		08:47:36	266.9		08:47:36	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:14	270.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 74
ANIMAL ID: 1017

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:57:23	113.7			
9	05/31/11	5062		10:09:57	163.4		10:09:59	Unremarkable
19	06/10/11	5062		08:33:47	213.1		08:33:47	Unremarkable
26	06/17/11	5062		08:47:50	244.7		08:47:51	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:14	249.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 74
ANIMAL ID: 1018

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:57:45	105.3			
9	05/31/11	5062		10:10:14	159.5		10:10:15	Unremarkable
19	06/10/11	5062		08:34:00	216.0		08:34:01	Unremarkable
26	06/17/11	5062		08:48:05	254.3		08:48:08	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:14	255.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 74
ANIMAL ID: 1019

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:57:55	114.0			
9	05/31/11	5062		10:10:23	170.0		10:10:24	Unremarkable
19	06/10/11	5062		08:34:10	216.5		08:34:11	Unremarkable
26	06/17/11	5062		08:48:22	258.0		08:48:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:01:00	349.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 74
ANIMAL ID: 1020

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:58:11	117.1			
9	05/31/11	5062		10:10:35	170.8		10:10:37	Unremarkable
19	06/10/11	5062		08:34:21	235.8		08:34:21	Unremarkable
26	06/17/11	5062		08:48:37	271.0		08:48:37	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:20:20	292.4		07:20:20	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 75
ANIMAL ID: 1021

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:58:21	132.1			
9	05/31/11	5062		10:10:49	187.3		10:10:50	Unremarkable
19	06/10/11	5062		08:38:36	250.8		08:38:38	Unremarkable
26	06/17/11	5062		08:48:48	287.0		08:48:48	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
44	07/05/11	16		09:01:00	328.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 75
ANIMAL ID: 1022

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:58:39	111.3			
9	05/31/11	5062		10:11:02	164.7		10:11:03	Unremarkable
19	06/10/11	5062		08:38:48	228.0		08:38:49	Unremarkable
26	06/17/11	5062		08:49:23	263.2		08:49:24	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:16	270.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 75
ANIMAL ID: 1023

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:58:51	110.9			
9	05/31/11	5062		10:11:15	160.4		10:11:16	Unremarkable
19	06/10/11	5062		08:39:07	216.0		08:39:08	Unremarkable
26	06/17/11	5062		08:49:38	258.9		08:49:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:01:00	303.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 75
ANIMAL ID: 1024

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:59:10	129.7			
9	05/31/11	5062		10:11:26	177.2		10:11:26	Unremarkable
19	06/10/11	5062		08:39:28	234.5		08:39:28	Unremarkable
26	06/17/11	5062		08:49:50	265.4		08:49:50	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:21:02	285.5		07:21:02	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 75
ANIMAL ID: 1025

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:00:13	116.5			
9	05/31/11	5062		10:11:52	180.3		10:11:53	Unremarkable
19	06/10/11	5062		08:39:52	248.0		08:39:52	Unremarkable
26	06/17/11	5062		08:51:00	286.2		08:51:01	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	438.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 76
ANIMAL ID: 1026

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:00:28	125.5			
9	05/31/11	5062		10:12:07	173.8		10:12:08	Unremarkable
19	06/10/11	5062		08:40:09	235.9		08:40:09	Unremarkable
26	06/17/11	5062		08:51:11	266.1		08:51:12	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
30	06/21/11	1		15:01:18	265.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 76
ANIMAL ID: 1027

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:00:40	117.4			
9	05/31/11	5062		10:12:40	168.5		10:12:45	Unremarkable
19	06/10/11	5062		08:40:19	228.4		08:40:20	Unremarkable
26	06/17/11	5062		08:51:28	264.1		08:51:28	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:22:02	290.8		07:22:02	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 76
ANIMAL ID: 1028

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:00:52	121.5			
9	05/31/11	5062		10:13:03	178.0		10:13:03	Unremarkable
19	06/10/11	5062		08:40:34	242.0		08:40:35	Unremarkable
26	06/17/11	5062		08:51:38	275.4		08:51:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:01:02	374.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 76
ANIMAL ID: 1029

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:01:04	106.4			
9	05/31/11	5062		10:13:15	150.0		10:13:15	Unremarkable
19	06/10/11	5062		08:40:44	194.8		08:40:44	Unremarkable
26	06/17/11	5062		08:51:53	217.0		08:51:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:18	216.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 76
ANIMAL ID: 1030

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:01:15	127.6			
9	05/31/11	5062		10:13:26	177.9		10:13:27	Unremarkable
19	06/10/11	5062		08:40:55	233.0		08:40:55	Unremarkable
26	06/17/11	5062		08:52:05	268.5		08:52:05	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	421.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 77
ANIMAL ID: 1031

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:01:33	128.1			
9	05/31/11	5062		10:13:37	181.9		10:13:38	Unremarkable
19	06/10/11	5062		08:41:07	243.8		08:41:08	Unremarkable
26	06/17/11	5062		08:52:20	282.2		08:52:20	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
156	10/25/11	1		07:45:25	437.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 77
ANIMAL ID: 1032

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:01:48	138.7			
9	05/31/11	5062		10:13:50	192.0		10:13:50	Unremarkable
19	06/10/11	5062		08:41:24	259.6		08:41:24	Unremarkable
26	06/17/11	5062		08:52:31	295.8		08:52:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
44	07/05/11	16		09:01:02	348.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 77
ANIMAL ID: 1033

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:02:02	120.1			
9	05/31/11	5062		10:14:05	184.2		10:14:06	Unremarkable
19	06/10/11	5062		08:41:34	248.2		08:41:34	Unremarkable
26	06/17/11	5062		08:52:42	284.0		08:52:42	Unremarkable
	REMOVED ** REASON - TSAC							
31	06/22/11	5062		07:22:49	307.4		07:22:49	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 77
ANIMAL ID: 1034

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:02:14	115.4			
9	05/31/11	5062		10:14:21	165.5		10:14:21	Unremarkable
19	06/10/11	5062		08:41:47	224.7		08:41:47	Unremarkable
26	06/17/11	5062		08:52:56	259.3		08:52:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
30	06/21/11	1		15:01:20	259.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 77
ANIMAL ID: 1035

SEX: MALE

TRT#: 11

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:02:24	130.7			
9	05/31/11	5062		10:14:34	186.9		10:14:35	Unremarkable
19	06/10/11	5062		08:41:59	253.2		08:42:00	Unremarkable
26	06/17/11	5062		08:53:13	288.6		08:53:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
72	08/02/11	1		08:01:04	395.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 8
ANIMAL ID: 101

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:29:37	116.0			
9	05/31/11	5062		06:37:52	148.5		06:37:53	Unremarkable
19	06/10/11	5062		06:25:42	172.8		06:25:43	Unremarkable
26	06/17/11	5062		06:36:52	189.3		06:36:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:02	219.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 8
ANIMAL ID: 102

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:29:49	98.7			
9	05/31/11	5062		06:38:03	132.1		06:38:04	Unremarkable
19	06/10/11	5062		06:26:00	155.3		06:26:00	Unremarkable
26	06/17/11	5062		06:37:03	168.6		06:37:04	Unremarkable
REMOVED ** REASON - TSAC								
32	06/23/11	5062		06:21:42	184.8		06:21:42	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 8
ANIMAL ID: 103

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:30:00	103.6			
9	05/31/11	5062		06:38:13	138.9		06:38:15	Unremarkable
19	06/10/11	5062		06:26:11	163.6		06:26:11	Unremarkable
26	06/17/11	5062		06:37:12	176.7		06:37:13	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:22:40	191.6		06:22:40	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 8
ANIMAL ID: 104

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:30:13	107.5			
9	05/31/11	5062		06:38:26	139.1		06:38:28	Unremarkable
19	06/10/11	5062		06:26:23	160.4		06:26:23	Unremarkable
26	06/17/11	5062		06:37:23	186.9		06:37:23	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:23:02	199.2		06:23:02	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 8
ANIMAL ID: 105

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:30:25	109.1			
9	05/31/11	5062		06:38:39	134.9		06:38:39	Unremarkable
19	06/10/11	5062		06:26:33	152.1		06:26:34	Unremarkable
26	06/17/11	5062		06:37:36	172.2		06:37:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:00	168.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 9
ANIMAL ID: 106

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:30:40	111.9			
9	05/31/11	5062		06:38:50	150.2		06:38:52	Unremarkable
19	06/10/11	5062		06:26:49	170.7		06:26:49	Unremarkable
26	06/17/11	5062		06:37:50	182.3		06:37:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:04	227.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 9
ANIMAL ID: 107

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:30:53	108.9			
9	05/31/11	5062		06:39:04	143.1		06:39:06	Unremarkable
19	06/10/11	5062		06:27:01	167.1		06:27:01	Unremarkable
26	06/17/11	5062		06:38:07	185.4		06:38:07	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:23:50	196.5		06:23:50	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 9
ANIMAL ID: 108

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:31:05	101.6			
9	05/31/11	5062		06:40:06	141.5		06:40:10	Unremarkable
19	06/10/11	5062		06:27:15	166.6		06:27:15	Unremarkable
26	06/17/11	5062		06:38:22	176.2		06:38:22	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:24:06	192.1		06:24:06	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 9
ANIMAL ID: 109

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:31:17	102.0			
9	05/31/11	5062		06:40:57	141.9		06:40:59	Unremarkable
19	06/10/11	5062		06:27:27	172.4		06:27:27	Unremarkable
26	06/17/11	5062		06:38:36	181.2		06:38:36	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		07:45:25	257.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 9
ANIMAL ID: 110

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:31:34	109.4			
9	05/31/11	5062		06:41:10	143.5		06:41:13	Unremarkable
19	06/10/11	5062		06:27:39	169.0		06:27:39	Unremarkable
26	06/17/11	5062		06:38:50	176.5		06:38:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:02	206.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 10
ANIMAL ID: 111

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:31:47	116.9			
9	05/31/11	5062		06:41:27	143.4		06:41:28	Unremarkable
19	06/10/11	5062		06:27:51	171.5		06:27:52	Unremarkable
26	06/17/11	5062		06:39:04	186.8		06:39:05	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		07:45:25	261.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 10
ANIMAL ID: 112

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:32:06	112.4			
9	05/31/11	5062		06:41:46	149.5		06:41:47	Unremarkable
19	06/10/11	5062		06:28:30	172.3		06:28:31	Unremarkable
26	06/17/11	5062		06:39:24	185.0		06:39:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:04	185.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 10
ANIMAL ID: 113

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:32:25	108.2			
9	05/31/11	5062		06:42:00	145.6		06:42:02	Unremarkable
19	06/10/11	5062		06:28:44	175.1		06:28:44	Unremarkable
26	06/17/11	5062		06:39:47	192.5		06:39:48	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:24:31	206.6		06:24:31	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 10
ANIMAL ID: 114

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:32:43	102.9			
9	05/31/11	5062		06:42:23	138.4		06:42:26	Unremarkable
19	06/10/11	5062		06:28:57	166.6		06:28:58	Unremarkable
26	06/17/11	5062		06:40:00	185.7		06:40:00	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:04	183.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 10
ANIMAL ID: 115

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:32:55	107.8			
9	05/31/11	5062		06:42:37	135.7		06:42:38	Unremarkable
19	06/10/11	5062		06:29:09	159.9		06:29:11	Unremarkable
26	06/17/11	5062		06:40:11	175.7		06:40:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:04	200.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 11
ANIMAL ID: 116

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:33:14	118.1			
9	05/31/11	5062		06:43:23	156.2		06:43:24	Unremarkable
19	06/10/11	5062		06:29:24	184.9		06:29:24	Unremarkable
26	06/17/11	5062		06:40:25	200.3		06:40:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:06	199.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 11
ANIMAL ID: 117

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:33:26	109.1			
9	05/31/11	5062		06:43:33	144.5		06:43:34	Unremarkable
19	06/10/11	5062		06:29:42	164.0		06:29:42	Unremarkable
26	06/17/11	5062		06:40:39	177.9		06:40:40	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:06	175.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 11
ANIMAL ID: 118

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:33:39	110.5			
9	05/31/11	5062		06:43:42	137.3		06:43:43	Unremarkable
19	06/10/11	5062		06:29:53	154.5		06:29:54	Unremarkable
26	06/17/11	5062		06:40:50	176.5		06:40:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:06	174.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 11
ANIMAL ID: 119

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:33:53	95.4			
9	05/31/11	5062		06:43:53	121.2		06:43:54	Unremarkable
19	06/10/11	5062		06:30:05	143.6		06:30:05	Unremarkable
26	06/17/11	5062		06:41:04	155.3		06:41:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:06	203.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 11
ANIMAL ID: 120

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:34:05	95.3			
9	05/31/11	5062		06:44:14	129.8		06:44:16	Unremarkable
19	06/10/11	5062		06:30:16	159.7		06:30:16	Unremarkable
26	06/17/11	5062		06:41:15	170.9		06:41:15	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:25:02	177.8		06:25:02	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 12
ANIMAL ID: 121

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:34:20	107.7			
9	05/31/11	5062		06:44:55	149.0		06:44:57	Unremarkable
19	06/10/11	5062		06:30:30	170.6		06:30:30	Unremarkable
26	06/17/11	5062		06:41:25	195.0		06:41:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:06	220.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 12
ANIMAL ID: 122

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:34:35	105.0			
9	05/31/11	5062		06:45:09	134.0		06:45:11	Unremarkable
19	06/10/11	5062		06:30:43	157.1		06:30:43	Unremarkable
26	06/17/11	5062		06:41:37	169.8		06:41:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:08	167.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 12
ANIMAL ID: 123

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:34:48	113.7			
9	05/31/11	5062		06:45:20	142.2		06:45:21	Unremarkable
19	06/10/11	5062		06:30:56	172.8		06:30:57	Unremarkable
26	06/17/11	5062		06:42:03	187.4		06:42:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:06	205.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 12
ANIMAL ID: 124

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:35:19	119.0			
9	05/31/11	5062		06:45:32	148.3		06:45:34	Unremarkable
19	06/10/11	5062		06:31:14	173.0		06:31:14	Unremarkable
26	06/17/11	5062		06:42:12	194.4		06:42:12	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:25:29	203.2		06:25:29	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 12
ANIMAL ID: 125

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:36:00	104.5			
9	05/31/11	5062		06:45:49	143.0		06:45:50	Unremarkable
19	06/10/11	5062		06:31:34	168.3		06:31:34	Unremarkable
26	06/17/11	5062		06:42:53	180.6		06:42:54	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		07:45:25	254.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 13
ANIMAL ID: 126

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:36:20	104.8			
9	05/31/11	5062		06:46:04	140.5		06:46:05	Unremarkable
19	06/10/11	5062		06:31:58	167.1		06:31:58	Unremarkable
26	06/17/11	5062		06:43:05	187.5		06:43:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:10	188.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 13
ANIMAL ID: 127

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:36:36	101.7			
9	05/31/11	5062		06:46:13	135.2		06:46:14	Unremarkable
19	06/10/11	5062		06:32:11	160.7		06:32:12	Unremarkable
26	06/17/11	5062		06:43:19	176.5		06:43:19	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:26:07	183.6		06:26:07	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 13
ANIMAL ID: 128

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:36:58	115.7			
9	05/31/11	5062		06:46:25	145.1		06:46:26	Unremarkable
19	06/10/11	5062		06:32:27	166.1		06:32:27	Unremarkable
26	06/17/11	5062		06:43:31	180.8		06:43:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:08	233.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 13
ANIMAL ID: 129

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:37:10	106.2			
9	05/31/11	5062		06:46:40	141.7		06:46:41	Unremarkable
19	06/10/11	5062		06:32:38	171.3		06:32:38	Unremarkable
26	06/17/11	5062		06:43:49	189.0		06:43:49	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:10	184.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 13
ANIMAL ID: 130

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:37:23	105.2			
9	05/31/11	5062		06:46:49	137.2		06:46:50	Unremarkable
19	06/10/11	5062		06:32:50	160.2		06:32:51	Unremarkable
26	06/17/11	5062		06:44:02	171.0		06:44:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		07:45:25	246.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 14
ANIMAL ID: 131

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:37:40	113.4			
9	05/31/11	5062		06:47:00	143.1		06:47:02	Unremarkable
19	06/10/11	5062		06:33:06	171.1		06:33:06	Unremarkable
26	06/17/11	5062		06:44:19	188.0		06:44:19	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		08:07:12	257.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 14
ANIMAL ID: 132

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:37:53	94.8			
9	05/31/11	5062		06:47:42	139.1		06:47:45	Unremarkable
19	06/10/11	5062		06:33:16	163.3		06:33:17	Unremarkable
26	06/17/11	5062		06:44:32	176.3		06:44:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:08	201.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 14
ANIMAL ID: 133

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:38:11	112.0			
9	05/31/11	5062		06:47:58	147.2		06:48:00	Unremarkable
19	06/10/11	5062		06:33:32	177.1		06:33:33	Unremarkable
26	06/17/11	5062		06:44:42	190.7		06:44:43	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:26:59	204.9		06:26:59	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 14
ANIMAL ID: 134

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:38:32	115.9			
9	05/31/11	5062		06:48:08	151.1		06:48:09	Unremarkable
19	06/10/11	5062		06:33:44	178.6		06:33:45	Unremarkable
26	06/17/11	5062		06:45:02	198.6		06:45:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:12	191.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 14
ANIMAL ID: 135

SEX: FEMALE

TRT#: 2

DOSE: Control

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:38:44	100.3			
9	05/31/11	5062		06:48:34	137.0		06:48:37	Unremarkable
19	06/10/11	5062		06:33:57	159.1		06:33:58	Unremarkable
26	06/17/11	5062		06:45:13	169.9		06:45:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:10	229.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 22
ANIMAL ID: 301

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:50:16	101.4			
9	05/31/11	5062		07:32:14	135.8		07:32:15	Unremarkable
19	06/10/11	5062		06:51:12	157.9		06:51:12	Unremarkable
26	06/17/11	5062		07:05:28	167.5		07:05:31	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
73	08/03/11	1		08:00:12	211.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 22
ANIMAL ID: 302

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:50:28	110.7			
9	05/31/11	5062		07:32:27	143.2		07:32:28	Unremarkable
19	06/10/11	5062		06:51:22	170.6		06:51:23	Unremarkable
26	06/17/11	5062		07:05:44	188.5		07:05:44	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:33:12	193.8		06:33:12	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 22
ANIMAL ID: 303

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:50:40	98.0			
9	05/31/11	5062		07:32:38	129.5		07:32:39	Unremarkable
19	06/10/11	5062		06:51:34	150.4		06:51:35	Unremarkable
26	06/17/11	5062		07:05:54	168.0		07:05:55	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:33:53	175.9		06:33:53	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 22
ANIMAL ID: 304

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:50:55	113.4			
9	05/31/11	5062		07:32:49	144.1		07:32:51	Unremarkable
19	06/10/11	5062		06:51:45	169.5		06:51:46	Unremarkable
26	06/17/11	5062		07:06:06	183.6		07:06:06	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:34:46	197.5		06:34:46	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 22
ANIMAL ID: 305

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:51:06	105.9			
9	05/31/11	5062		07:33:38	145.1		07:34:24	Unremarkable
19	06/10/11	5062		06:51:59	174.1		06:51:59	Unremarkable
26	06/17/11	5062		07:06:20	191.8		07:06:20	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:14	189.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 23
ANIMAL ID: 306

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:51:20	112.1			
9	05/31/11	5062		07:34:50	140.3		07:34:51	Unremarkable
19	06/10/11	5062		06:52:18	162.6		06:52:19	Unremarkable
26	06/17/11	5062		07:06:32	177.9		07:06:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:14	216.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 23
ANIMAL ID: 307

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:51:32	106.3			
9	05/31/11	5062		07:35:00	134.0		07:35:01	Unremarkable
19	06/10/11	5062		06:52:33	151.4		06:52:33	Unremarkable
26	06/17/11	5062		07:06:43	167.2		07:06:44	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:35:08	172.1		06:35:08	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 23
ANIMAL ID: 308

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:51:48	108.6			
9	05/31/11	5062		07:35:11	131.3		07:35:11	Unremarkable
19	06/10/11	5062		06:52:47	144.6		06:52:48	Unremarkable
26	06/17/11	5062		07:06:57	154.3		07:06:57	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:35:48	164.2		06:35:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 23
ANIMAL ID: 309

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:52:07	119.4			
9	05/31/11	5062		07:35:21	144.3		07:35:21	Unremarkable
19	06/10/11	5062		06:53:00	161.8		06:53:00	Unremarkable
26	06/17/11	5062		07:07:11	174.5		07:07:11	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	249.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 23
ANIMAL ID: 310

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:52:19	103.8			
9	05/31/11	5062		07:35:41	142.1		07:35:42	Unremarkable
19	06/10/11	5062		06:53:16	171.5		06:53:16	Unremarkable
26	06/17/11	5062		07:07:25	185.4		07:07:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:10	213.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 24
ANIMAL ID: 311

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:52:37	102.2			
9	05/31/11	5062		07:35:58	139.4		07:35:59	Unremarkable
19	06/10/11	5062		06:53:30	162.5		06:53:31	Unremarkable
26	06/17/11	5062		07:07:40	177.7		07:07:40	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	256.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 24
ANIMAL ID: 312

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:52:53	114.6			
9	05/31/11	5062		07:36:10	144.4		07:36:12	Unremarkable
19	06/10/11	5062		06:53:42	171.6		06:53:43	Unremarkable
26	06/17/11	5062		07:08:03	188.1		07:08:04	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:18	189.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 24
ANIMAL ID: 313

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:53:07	116.2			
9	05/31/11	5062		07:36:23	152.4		07:36:24	Unremarkable
19	06/10/11	5062		06:53:56	182.6		06:53:57	Unremarkable
26	06/17/11	5062		07:08:25	201.7		07:08:26	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:36:14	209.6		06:36:14	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 24
ANIMAL ID: 314

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:53:26	118.1			
9	05/31/11	5062		07:36:38	152.5		07:36:39	Unremarkable
19	06/10/11	5062		06:54:13	183.5		06:54:14	Unremarkable
26	06/17/11	5062		07:08:37	200.6		07:08:37	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:18	196.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 24
ANIMAL ID: 315

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:53:37	109.1			
9	05/31/11	5062		07:36:48	138.7		07:36:50	Unremarkable
19	06/10/11	5062		06:54:26	164.2		06:54:26	Unremarkable
26	06/17/11	5062		07:08:47	177.1		07:08:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:12	198.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 25
ANIMAL ID: 316

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:53:50	104.3			
9	05/31/11	5062		07:37:01	140.2		07:37:03	Unremarkable
19	06/10/11	5062		06:54:41	166.5		06:54:41	Unremarkable
26	06/17/11	5062		07:09:00	178.4		07:09:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:20	175.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 25
ANIMAL ID: 317

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:54:04	104.3			
9	05/31/11	5062		07:37:14	136.3		07:37:15	Unremarkable
19	06/10/11	5062		06:54:57	159.2		06:54:58	Unremarkable
26	06/17/11	5062		07:09:16	174.0		07:09:16	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:20	171.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 25
ANIMAL ID: 318

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:54:15	105.5			
9	05/31/11	5062		07:37:24	129.5		07:37:25	Unremarkable
19	06/10/11	5062		06:55:22	155.3		06:55:23	Unremarkable
26	06/17/11	5062		07:09:25	170.8		07:09:25	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:20	173.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 25
ANIMAL ID: 319

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:54:28	102.2			
9	05/31/11	5062		07:38:05	141.6		07:38:07	Unremarkable
19	06/10/11	5062		06:55:36	175.3		06:55:37	Unremarkable
26	06/17/11	5062		07:09:39	185.6		07:09:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:16	248.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 25
ANIMAL ID: 320

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:54:42	117.0			
9	05/31/11	5062		07:38:18	142.1		07:38:20	Unremarkable
19	06/10/11	5062		06:55:54	164.7		06:55:54	Unremarkable
26	06/17/11	5062		07:09:53	187.2		07:09:53	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:36:47	193.7		06:36:47	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 26
ANIMAL ID: 321

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:54:56	99.7			
9	05/31/11	5062		07:38:30	121.9		07:38:31	Unremarkable
19	06/10/11	5062		06:56:07	137.5		06:56:07	Unremarkable
26	06/17/11	5062		07:10:02	151.6		07:10:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:14	167.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 26
ANIMAL ID: 322

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:55:10	93.6			
9	05/31/11	5062		07:39:06	134.2		07:39:08	Unremarkable
19	06/10/11	5062		06:56:18	158.9		06:56:18	Unremarkable
26	06/17/11	5062		07:10:23	167.7		07:10:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:22	163.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 26
ANIMAL ID: 323

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:55:22	116.9			
9	05/31/11	5062		07:39:19	150.3		07:39:20	Unremarkable
19	06/10/11	5062		06:56:30	179.8		06:56:31	Unremarkable
26	06/17/11	5062		07:10:35	192.8		07:10:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:14	220.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 26
ANIMAL ID: 324

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:55:34	98.5			
9	05/31/11	5062		07:39:53	139.7		07:39:56	Unremarkable
19	06/10/11	5062		06:56:46	171.1		06:56:48	Unremarkable
26	06/17/11	5062		07:10:57	186.7		07:10:57	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:37:48	204.2		06:37:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 26
ANIMAL ID: 325

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:56:42	109.4			
9	05/31/11	5062		07:40:06	146.9		07:40:08	Unremarkable
19	06/10/11	5062		06:57:02	171.5		06:57:03	Unremarkable
26	06/17/11	5062		07:12:02	184.9		07:12:03	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	268.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 27
ANIMAL ID: 326

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:56:55	109.7			
9	05/31/11	5062		07:40:24	141.6		07:40:25	Unremarkable
19	06/10/11	5062		06:57:18	165.4		06:57:19	Unremarkable
26	06/17/11	5062		07:12:15	182.8		07:12:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:24	179.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 27
ANIMAL ID: 327

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:57:06	100.9			
9	05/31/11	5062		07:40:33	135.8		07:40:34	Unremarkable
19	06/10/11	5062		06:57:34	170.6		06:57:35	Unremarkable
26	06/17/11	5062		07:12:26	187.7		07:12:27	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:38:07	199.6		06:38:07	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 27
ANIMAL ID: 328

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:57:19	105.6			
9	05/31/11	5062		07:40:45	143.2		07:40:46	Unremarkable
19	06/10/11	5062		06:57:46	170.7		06:57:46	Unremarkable
26	06/17/11	5062		07:12:36	185.4		07:12:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:18	231.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 27
ANIMAL ID: 329

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:57:31	107.4			
9	05/31/11	5062		07:41:00	136.1		07:41:01	Unremarkable
19	06/10/11	5062		06:57:58	158.6		06:57:58	Unremarkable
26	06/17/11	5062		07:12:55	176.2		07:12:55	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:24	180.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 27
ANIMAL ID: 330

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:57:43	105.3			
9	05/31/11	5062		07:41:35	145.7		07:41:38	Unremarkable
19	06/10/11	5062		06:58:08	174.9		06:58:09	Unremarkable
26	06/17/11	5062		07:13:07	190.2		07:13:07	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	274.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 28
ANIMAL ID: 331

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:57:58	103.6			
9	05/31/11	5062		07:42:10	144.6		07:42:13	Unremarkable
19	06/10/11	5062		06:58:25	174.6		06:58:25	Unremarkable
26	06/17/11	5062		07:13:22	189.8		07:13:23	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	271.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 28
ANIMAL ID: 332

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:58:09	110.8			
9	05/31/11	5062		07:42:24	142.7		07:42:26	Unremarkable
19	06/10/11	5062		06:58:38	166.9		06:58:39	Unremarkable
26	06/17/11	5062		07:13:34	191.8		07:13:37	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
45	07/06/11	16		09:00:40	216.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 28
ANIMAL ID: 333

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:58:22	105.8			
9	05/31/11	5062		07:42:34	139.5		07:42:36	Unremarkable
19	06/10/11	5062		06:58:51	179.1		06:58:52	Unremarkable
26	06/17/11	5062		07:13:48	196.6		07:13:49	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:38:38	205.5		06:38:38	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 28
ANIMAL ID: 334

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:58:34	116.2			
9	05/31/11	5062		07:42:46	147.4		07:42:48	Unremarkable
19	06/10/11	5062		06:59:05	174.0		06:59:05	Unremarkable
26	06/17/11	5062		07:14:04	194.1		07:14:07	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:26	195.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 28
ANIMAL ID: 335

SEX: FEMALE

TRT#: 4

DOSE: 0.1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		06:58:47	115.0			
9	05/31/11	5062		07:43:01	154.3		07:43:03	Unremarkable
19	06/10/11	5062		06:59:23	182.5		06:59:25	Unremarkable
26	06/17/11	5062		07:14:17	194.8		07:14:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:20	237.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 36
ANIMAL ID: 501

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:09:08	96.8			
9	05/31/11	5062		08:35:05	133.4		08:35:07	Unremarkable
19	06/10/11	5062		07:15:40	162.5		07:15:43	Unremarkable
26	06/17/11	5062		07:26:44	176.0		07:26:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:22	215.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 36
ANIMAL ID: 502

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:09:26	109.4			
9	05/31/11	5062		08:35:16	145.0		08:35:17	Unremarkable
19	06/10/11	5062		07:15:57	175.1		07:16:00	Unremarkable
26	06/17/11	5062		07:26:56	194.2		07:26:57	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:39:48	206.6		06:39:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 36
ANIMAL ID: 503

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:09:35	102.5			
9	05/31/11	5062		08:35:48	141.3		08:35:50	Unremarkable
19	06/10/11	5062		07:16:10	162.6		07:16:11	Unremarkable
26	06/17/11	5062		07:27:07	180.6		07:27:07	Unremarkable
REMOVED ** REASON - TSAC								
32	06/23/11	5062		06:40:28	192.5		06:40:28	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 36
ANIMAL ID: 504

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:09:46	105.9			
9	05/31/11	5062		08:35:59	139.3		08:36:00	Unremarkable
19	06/10/11	5062		07:16:36	167.2		07:16:37	Unremarkable
26	06/17/11	5062		07:27:22	178.0		07:27:22	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:40:43	191.4		06:40:43	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 36
ANIMAL ID: 505

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:10:02	101.9			
9	05/31/11	5062		08:36:09	135.1		08:36:11	Unremarkable
19	06/10/11	5062		07:16:50	164.9		07:16:50	Unremarkable
26	06/17/11	5062		07:27:34	179.2		07:27:34	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:28	177.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 37
ANIMAL ID: 506

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:10:13	112.3			
9	05/31/11	5062		08:36:20	144.4		08:36:21	Unremarkable
19	06/10/11	5062		07:17:02	168.9		07:17:03	Unremarkable
26	06/17/11	5062		07:27:47	183.3		07:27:47	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:24	235.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 37
ANIMAL ID: 507

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:10:25	108.9			
9	05/31/11	5062		08:36:37	145.7		08:36:40	Unremarkable
19	06/10/11	5062		07:17:17	168.2		07:17:17	Unremarkable
26	06/17/11	5062		07:28:01	187.0		07:28:02	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:41:09	191.6		06:41:09	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 37
ANIMAL ID: 508

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:10:36	106.4			
9	05/31/11	5062		08:37:12	142.1		08:37:16	Unremarkable
19	06/10/11	5062		07:17:28	171.3		07:17:29	Unremarkable
26	06/17/11	5062		07:28:13	187.4		07:28:13	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:41:28	193.9		06:41:28	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 37
ANIMAL ID: 509

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:10:49	115.5			
9	05/31/11	5062		08:37:30	149.5		08:37:32	Unremarkable
19	06/10/11	5062		07:17:39	174.3		07:17:39	Unremarkable
26	06/17/11	5062		07:28:25	182.1		07:28:25	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	288.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 37
ANIMAL ID: 510

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:11:01	103.8			
9	05/31/11	5062		08:38:05	131.8		08:38:07	Unremarkable
19	06/10/11	5062		07:18:03	150.4		07:18:04	Unremarkable
26	06/17/11	5062		07:28:45	170.7		07:28:45	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:42	198.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 38
ANIMAL ID: 511

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:11:14	113.4			
9	05/31/11	5062		08:38:21	154.0		08:38:22	Unremarkable
19	06/10/11	5062		07:18:32	183.3		07:18:33	Unremarkable
26	06/17/11	5062		07:29:02	195.3		07:29:03	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	266.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 38
ANIMAL ID: 512

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:11:24	101.6			
9	05/31/11	5062		08:38:33	138.1		08:38:35	Unremarkable
19	06/10/11	5062		07:18:43	165.9		07:18:44	Unremarkable
26	06/17/11	5062		07:29:11	180.4		07:29:13	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:30	181.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 38
ANIMAL ID: 513

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:11:54	125.3			
9	05/31/11	5062		08:38:47	156.9		08:38:49	Unremarkable
19	06/10/11	5062		07:19:02	187.6		07:19:02	Unremarkable
26	06/17/11	5062		07:29:36	196.6		07:29:36	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:42:11	206.2		06:42:11	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 38
ANIMAL ID: 514

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:12:07	103.5			
9	05/31/11	5062		08:39:00	139.9		08:39:01	Unremarkable
19	06/10/11	5062		07:19:20	173.9		07:19:21	Unremarkable
26	06/17/11	5062		07:29:47	196.0		07:29:48	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:30	193.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 38
ANIMAL ID: 515

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:12:17	96.3			
9	05/31/11	5062		08:39:10	126.6		08:39:11	Unremarkable
19	06/10/11	5062		07:19:35	151.1		07:19:36	Unremarkable
26	06/17/11	5062		07:29:59	167.4		07:30:01	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
45	07/06/11	16		09:00:44	188.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 39
ANIMAL ID: 516

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:12:32	101.7			
9	05/31/11	5062		08:39:21	135.9		08:39:23	Unremarkable
19	06/10/11	5062		07:19:48	163.6		07:19:53	Unremarkable
26	06/17/11	5062		07:30:15	175.9		07:30:15	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:32	176.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 39
ANIMAL ID: 517

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:12:44	102.9			
9	05/31/11	5062		08:39:50	145.1		08:39:52	Unremarkable
19	06/10/11	5062		07:20:04	173.4		07:20:05	Unremarkable
26	06/17/11	5062		07:30:30	192.2		07:30:31	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:32	188.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 39
ANIMAL ID: 518

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:12:55	105.1			
9	05/31/11	5062		08:40:01	133.5		08:40:02	Unremarkable
19	06/10/11	5062		07:20:16	153.0		07:20:17	Unremarkable
26	06/17/11	5062		07:30:41	171.4		07:30:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:32	174.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 39
ANIMAL ID: 519

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:13:07	96.1			
9	05/31/11	5062		08:40:30	141.3		08:40:32	Unremarkable
19	06/10/11	5062		07:20:34	175.2		07:20:34	Unremarkable
26	06/17/11	5062		07:30:54	190.7		07:30:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:26	237.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 39
ANIMAL ID: 520

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:13:18	108.6			
9	05/31/11	5062		08:40:50	146.0		08:40:55	Unremarkable
19	06/10/11	5062		07:20:48	172.3		07:20:50	Unremarkable
26	06/17/11	5062		07:31:08	190.0		07:31:08	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:42:53	194.5		06:42:53	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 40
ANIMAL ID: 521

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:13:37	95.8			
9	05/31/11	5062		08:41:24	132.2		08:41:27	Unremarkable
19	06/10/11	5062		07:21:02	157.9		07:21:04	Unremarkable
26	06/17/11	5062		07:31:22	171.7		07:31:22	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:46	188.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 40
ANIMAL ID: 522

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:13:54	103.6			
9	05/31/11	5062		08:43:41	141.7		08:41:56	Unremarkable
19	06/10/11	5062		07:21:19	170.1		07:21:21	Unremarkable
26	06/17/11	5062		07:31:37	181.2		07:31:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:34	181.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 40
ANIMAL ID: 523

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:14:07	106.0			
9	05/31/11	5062		08:42:10	125.9		08:42:22	Unremarkable
19	06/10/11	5062		07:21:34	154.9		07:21:34	Unremarkable
26	06/17/11	5062		07:31:53	169.5		07:31:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:46	191.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 40
ANIMAL ID: 524

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:14:22	90.9			
9	05/31/11	5062		08:42:50	125.1		08:42:52	Unremarkable
19	06/10/11	5062		07:21:45	151.7		07:21:46	Unremarkable
26	06/17/11	5062		07:32:06	169.2		07:32:07	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:43:12	177.6		06:43:12	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 40
ANIMAL ID: 525

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:15:12	106.6			
9	05/31/11	5062		08:43:02	132.1		08:43:04	Unremarkable
19	06/10/11	5062		07:22:10	161.3		07:22:11	Unremarkable
26	06/17/11	5062		07:32:57	176.3		07:32:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		08:07:12	242.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 41
ANIMAL ID: 526

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:15:28	108.9			
9	05/31/11	5062		08:44:09	144.3		08:44:13	Unremarkable
19	06/10/11	5062		07:22:44	165.4		07:22:47	Unremarkable
26	06/17/11	5062		07:33:13	177.6		07:33:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:36	174.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 41
ANIMAL ID: 527

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:15:41	108.8			
9	05/31/11	5062		08:44:23	139.9		08:44:25	Unremarkable
19	06/10/11	5062		07:23:01	166.9		07:23:02	Unremarkable
26	06/17/11	5062		07:33:24	189.1		07:33:24	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:43:52	204.8		06:43:52	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 41
ANIMAL ID: 528

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:15:51	117.1			
9	05/31/11	5062		08:44:33	143.5		08:44:33	Unremarkable
19	06/10/11	5062		07:23:16	165.8		07:23:17	Unremarkable
26	06/17/11	5062		07:33:35	176.8		07:33:35	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:28	225.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 41
ANIMAL ID: 529

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:16:02	98.7			
9	05/31/11	5062		08:44:43	123.5		08:44:44	Unremarkable
19	06/10/11	5062		07:23:30	146.1		07:23:31	Unremarkable
26	06/17/11	5062		07:33:52	165.9		07:33:53	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:36	164.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 41
ANIMAL ID: 530

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:16:15	107.0			
9	05/31/11	5062		08:44:53	144.3		08:44:54	Unremarkable
19	06/10/11	5062		07:23:47	166.0		07:23:48	Unremarkable
26	06/17/11	5062		07:34:04	183.5		07:34:05	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:07:12	262.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 42
ANIMAL ID: 531

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:16:29	115.1			
9	05/31/11	5062		08:45:07	146.4		08:45:08	Unremarkable
19	06/10/11	5062		07:24:03	170.2		07:24:04	Unremarkable
26	06/17/11	5062		07:34:34	185.2		07:34:35	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	254.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 42
ANIMAL ID: 532

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:16:41	112.3			
9	05/31/11	5062		08:45:16	141.8		08:45:17	Unremarkable
19	06/10/11	5062		07:24:30	167.0		07:24:34	Unremarkable
26	06/17/11	5062		07:34:46	177.3		07:34:46	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	1		09:00:48	200.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 42
ANIMAL ID: 533

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:16:51	108.4			
9	05/31/11	5062		08:45:31	141.2		08:45:33	Unremarkable
19	06/10/11	5062		07:24:47	167.3		07:24:47	Unremarkable
26	06/17/11	5062		07:34:58	186.8		07:34:58	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:44:12	192.5		06:44:12	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 42
ANIMAL ID: 534

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:17:03	101.5			
9	05/31/11	5062		08:46:03	140.6		08:46:04	Unremarkable
19	06/10/11	5062		07:25:00	168.2		07:25:00	Unremarkable
26	06/17/11	5062		07:35:10	188.9		07:35:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:38	185.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 42
ANIMAL ID: 535

SEX: FEMALE

TRT#: 6

DOSE: 0.3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:17:15	95.5			
9	05/31/11	5062		08:46:15	126.4		08:46:17	Unremarkable
19	06/10/11	5062		07:25:17	150.4		07:25:20	Unremarkable
26	06/17/11	5062		07:35:23	168.1		07:35:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:30	212.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 50
ANIMAL ID: 701

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:28:13	109.9			
9	05/31/11	5062		09:28:21	141.0		09:28:22	Unremarkable
19	06/10/11	5062		07:42:11	173.2		07:42:12	Unremarkable
26	06/17/11	5062		07:58:01	188.2		07:58:02	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:32	242.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 50
ANIMAL ID: 702

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:28:23	113.7			
9	05/31/11	5062		09:28:32	145.2		09:28:34	Unremarkable
19	06/10/11	5062		07:42:23	170.7		07:42:23	Unremarkable
26	06/17/11	5062		07:58:14	184.7		07:58:15	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:45:43	196.5		06:45:43	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 50
ANIMAL ID: 703

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:28:33	99.5			
9	05/31/11	5062		09:29:03	138.1		09:29:05	Unremarkable
19	06/10/11	5062		07:42:43	156.2		07:42:44	Unremarkable
26	06/17/11	5062		07:58:24	173.7		07:58:25	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:45:57	188.0		06:45:57	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 50
ANIMAL ID: 704

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:28:43	110.4			
9	05/31/11	5062		09:29:14	146.7		09:29:15	Unremarkable
19	06/10/11	5062		07:42:57	174.4		07:42:58	Unremarkable
26	06/17/11	5062		07:58:51	190.2		07:58:55	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:46:19	203.5		06:46:19	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 50
ANIMAL ID: 705

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:28:55	105.9			
9	05/31/11	5062		09:29:24	144.1		09:29:25	Unremarkable
19	06/10/11	5062		07:43:09	173.6		07:43:10	Unremarkable
26	06/17/11	5062		07:59:12	189.8		07:59:13	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:42	186.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 51
ANIMAL ID: 706

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:29:07	105.2			
9	05/31/11	5062		09:29:34	138.9		09:29:35	Unremarkable
19	06/10/11	5062		07:43:27	159.5		07:43:28	Unremarkable
26	06/17/11	5062		07:59:22	178.8		07:59:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:34	239.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 51
ANIMAL ID: 707

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:29:17	100.0			
9	05/31/11	5062		09:29:45	137.0		09:29:47	Unremarkable
19	06/10/11	5062		07:43:42	174.7		07:43:43	Unremarkable
26	06/17/11	5062		08:00:09	170.8		08:00:11	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:46:54	178.6		06:46:54	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 51
ANIMAL ID: 708

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:29:27	107.0			
9	05/31/11	5062		09:29:59	133.0		09:30:00	Unremarkable
19	06/10/11	5062		07:43:54	156.9		07:43:54	Unremarkable
26	06/17/11	5062		08:00:25	165.3		08:00:25	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:47:25	175.4		06:47:25	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 51
ANIMAL ID: 709

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:29:36	91.8			
9	05/31/11	5062		09:30:30	129.4		09:30:33	Unremarkable
19	06/10/11	5062		07:44:05	144.0		07:44:06	Unremarkable
26	06/17/11	5062		08:00:36	162.9		08:00:37	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	255.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 51
ANIMAL ID: 710

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:29:50	109.8			
9	05/31/11	5062		09:30:43	142.8		09:30:44	Unremarkable
19	06/10/11	5062		07:44:21	152.9		07:44:22	Unremarkable
26	06/17/11	5062		08:01:34	188.1		08:01:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:50	215.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 52
ANIMAL ID: 711

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:30:03	97.8			
9	05/31/11	5062		09:31:15	134.4		09:31:17	Unremarkable
19	06/10/11	5062		07:46:48	158.5		07:44:36	Unremarkable
26	06/17/11	5062		08:01:57	172.1		08:01:58	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	251.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 52
ANIMAL ID: 712

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:30:14	119.4			
9	05/31/11	5062		09:31:25	144.0		09:31:31	Unremarkable
19	06/10/11	5062		07:47:22	164.2		07:44:48	Unremarkable
26	06/17/11	5062		08:02:09	181.9		08:02:10	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:46	180.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 52
ANIMAL ID: 713

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:30:26	103.2			
9	05/31/11	5062		09:31:48	141.1		09:31:49	Unremarkable
19	06/10/11	5062		07:45:02	163.9		07:45:03	Unremarkable
26	06/17/11	5062		08:03:16	182.6		08:03:17	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:47:53	197.5		06:47:53	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 52
ANIMAL ID: 714

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:30:42	103.9			
9	05/31/11	5062		09:32:00	134.7		09:32:01	Unremarkable
19	06/10/11	5062		07:45:38	156.7		07:45:40	Unremarkable
26	06/17/11	5062		08:03:27	173.2		08:03:28	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:46	172.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 52
ANIMAL ID: 715

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:30:53	107.2			
9	05/31/11	5062		09:32:11	139.5		09:32:11	Unremarkable
19	06/10/11	5062		07:45:55	165.5		07:45:56	Unremarkable
26	06/17/11	5062		08:03:41	184.4		08:03:41	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:52	212.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 53
ANIMAL ID: 716

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:31:05	95.5			
9	05/31/11	5062		09:32:20	128.0		09:32:20	Unremarkable
19	06/10/11	5062		07:47:54	158.7		07:47:55	Unremarkable
26	06/17/11	5062		08:03:55	178.0		08:03:55	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:00:48	176.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 53
ANIMAL ID: 717

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:31:21	114.8			
9	05/31/11	5062		09:32:32	141.9		09:32:32	Unremarkable
19	06/10/11	5062		07:48:05	165.2		07:48:06	Unremarkable
26	06/17/11	5062		08:04:06	179.0		08:04:06	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:48	181.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 53
ANIMAL ID: 718

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:31:31	112.3			
9	05/31/11	5062		09:32:41	146.5		09:32:42	Unremarkable
19	06/10/11	5062		07:48:24	171.3		07:48:26	Unremarkable
26	06/17/11	5062		08:04:20	188.2		08:04:20	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:48	189.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 53
ANIMAL ID: 719

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:31:42	114.1			
9	05/31/11	5062		09:32:59	144.9		09:33:08	Unremarkable
19	06/10/11	5062		07:48:47	166.5		07:48:48	Unremarkable
26	06/17/11	5062		08:04:33	184.6		08:04:34	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
73	08/03/11	1		08:00:36	232.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 53
ANIMAL ID: 720

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:31:57	105.8			
9	05/31/11	5062		09:33:17	144.1		09:33:17	Unremarkable
19	06/10/11	5062		07:49:01	166.1		07:49:03	Unremarkable
26	06/17/11	5062		08:04:43	183.0		08:04:43	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:48:11	192.5		06:48:11	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 54
ANIMAL ID: 721

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:32:10	106.2			
9	05/31/11	5062		09:33:30	141.3		09:33:32	Unremarkable
19	06/10/11	5062		07:51:37	164.2		07:49:29	Unremarkable
26	06/17/11	5062		08:04:55	172.0		08:04:56	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:54	190.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 54
ANIMAL ID: 722

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:32:24	102.0			
9	05/31/11	5062		09:33:55	139.4		09:33:57	Unremarkable
19	06/10/11	5062		07:50:04	161.2		07:50:08	Unremarkable
26	06/17/11	5062		08:05:08	179.8		08:05:08	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:50	177.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 54
ANIMAL ID: 723

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:32:37	100.7			
9	05/31/11	5062		09:34:05	136.2		09:34:06	Unremarkable
19	06/10/11	5062		07:50:26	162.2		07:50:27	Unremarkable
26	06/17/11	5062		08:05:25	177.1		08:05:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:54	197.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 54
ANIMAL ID: 724

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:32:51	114.9			
9	05/31/11	5062		09:34:19	147.6		09:34:21	Unremarkable
19	06/10/11	5062		07:50:46	171.6		07:50:46	Unremarkable
26	06/17/11	5062		08:05:53	187.1		08:05:53	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:48:45	194.5		06:48:45	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 54
ANIMAL ID: 725

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:33:43	111.5			
9	05/31/11	5062		09:34:34	145.6		09:34:35	Unremarkable
19	06/10/11	5062		07:51:07	171.0		07:51:07	Unremarkable
26	06/17/11	5062		08:06:31	183.8		08:06:32	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	262.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 55
ANIMAL ID: 726

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:33:54	101.8			
9	05/31/11	5062		09:34:49	130.6		09:34:50	Unremarkable
19	06/10/11	5062		07:52:12	146.6		07:52:13	Unremarkable
26	06/17/11	5062		08:06:49	166.9		08:06:49	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:52	169.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 55
ANIMAL ID: 727

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:04	115.8			
9	05/31/11	5062		09:35:00	143.6		09:35:02	Unremarkable
19	06/10/11	5062		07:52:25	158.4		07:52:26	Unremarkable
26	06/17/11	5062		08:06:56	170.4		08:06:57	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:49:29	180.3		06:49:29	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 55
ANIMAL ID: 728

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:14	100.4			
9	05/31/11	5062		09:35:15	136.9		09:35:15	Unremarkable
19	06/10/11	5062		07:52:35	159.5		07:52:35	Unremarkable
26	06/17/11	5062		08:07:17	177.7		08:07:18	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:38	220.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 55
ANIMAL ID: 729

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:24	101.9			
9	05/31/11	5062		09:35:25	127.9		09:35:26	Unremarkable
19	06/10/11	5062		07:52:46	150.7		07:52:47	Unremarkable
26	06/17/11	5062		08:07:31	159.3		08:07:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:52	162.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 55
ANIMAL ID: 730

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:34	116.6			
9	05/31/11	5062		09:35:35	155.9		09:35:36	Unremarkable
19	06/10/11	5062		07:52:57	179.3		07:52:58	Unremarkable
26	06/17/11	5062		08:07:41	199.7		08:07:42	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	293.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 56
ANIMAL ID: 731

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:46	108.0			
9	05/31/11	5062		09:35:50	138.1		09:35:50	Unremarkable
19	06/10/11	5062		07:53:12	155.9		07:53:12	Unremarkable
26	06/17/11	5062		08:07:57	177.9		08:07:58	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	240.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 56
ANIMAL ID: 732

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:34:57	100.5			
9	05/31/11	5062		09:36:19	138.6		09:36:21	Unremarkable
19	06/10/11	5062		07:53:23	166.0		07:53:24	Unremarkable
26	06/17/11	5062		08:08:11	179.2		08:08:11	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
45	07/06/11	16		09:00:56	210.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 56
ANIMAL ID: 733

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:35:07	108.3			
9	05/31/11	5062		09:36:27	139.5		09:36:28	Unremarkable
19	06/10/11	5062		07:53:35	176.1		07:53:35	Unremarkable
26	06/17/11	5062		08:08:25	194.1		08:08:25	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:50:25	208.0		06:50:25	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 56
ANIMAL ID: 734

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:35:23	103.0			
9	05/31/11	5062		09:36:35	138.8		09:36:36	Unremarkable
19	06/10/11	5062		07:53:47	157.5		07:53:48	Unremarkable
26	06/17/11	5062		08:08:37	170.8		08:08:37	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:54	174.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 56
ANIMAL ID: 735

SEX: FEMALE

TRT#: 8

DOSE: 1 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:35:51	110.3			
9	05/31/11	5062		09:36:48	146.5		09:36:49	Unremarkable
19	06/10/11	5062		07:53:58	171.7		07:53:59	Unremarkable
26	06/17/11	5062		08:08:53	188.6		08:08:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:40	237.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 64
ANIMAL ID: 901

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:44:26	103.8			
9	05/31/11	5062		09:50:03	143.7		09:50:06	Unremarkable
19	06/10/11	5062		08:14:50	166.9		08:14:51	Unremarkable
26	06/17/11	5062		08:24:03	181.9		08:24:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:42	235.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 64
ANIMAL ID: 902

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:44:40	106.8			
9	05/31/11	5062		09:50:42	144.4		09:50:44	Unremarkable
19	06/10/11	5062		08:15:03	171.5		08:15:03	Unremarkable
26	06/17/11	5062		08:24:16	191.5		08:24:16	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:52:14	205.7		06:52:14	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 64
ANIMAL ID: 903

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:44:53	107.9			
9	05/31/11	5062		09:50:52	137.2		09:50:53	Unremarkable
19	06/10/11	5062		08:15:13	156.3		08:15:14	Unremarkable
26	06/17/11	5062		08:24:27	176.8		08:24:27	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:52:31	187.6		06:52:31	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 64
ANIMAL ID: 904

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:45:05	105.3			
9	05/31/11	5062		09:51:05	141.8		09:51:06	Unremarkable
19	06/10/11	5062		08:15:22	172.5		08:15:23	Unremarkable
26	06/17/11	5062		08:24:41	186.4		08:24:41	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:52:56	200.3		06:52:56	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 64
ANIMAL ID: 905

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:45:16	103.2			
9	05/31/11	5062		09:51:17	135.4		09:51:18	Unremarkable
19	06/10/11	5062		08:15:31	159.8		08:15:32	Unremarkable
26	06/17/11	5062		08:24:53	176.3		08:24:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:00:58	175.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 65
ANIMAL ID: 906

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:45:29	99.9			
9	05/31/11	5062		09:51:27	131.9		09:51:28	Unremarkable
19	06/10/11	5062		08:15:42	155.0		08:15:42	Unremarkable
26	06/17/11	5062		08:25:05	171.7		08:25:05	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:44	223.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 65
ANIMAL ID: 907

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:45:39	108.8			
9	05/31/11	5062		09:51:37	139.2		09:51:37	Unremarkable
19	06/10/11	5062		08:15:53	162.7		08:15:54	Unremarkable
26	06/17/11	5062		08:25:19	178.3		08:25:19	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:53:26	185.7		06:53:26	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 65
ANIMAL ID: 908

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:45:57	108.1			
9	05/31/11	5062		09:51:49	142.1		09:51:50	Unremarkable
19	06/10/11	5062		08:16:03	170.1		08:16:04	Unremarkable
26	06/17/11	5062		08:25:28	187.4		08:25:30	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:53:49	199.4		06:53:49	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 65
ANIMAL ID: 909

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:46:08	108.4			
9	05/31/11	5062		09:51:59	141.2		09:52:00	Unremarkable
19	06/10/11	5062		08:16:13	168.2		08:16:14	Unremarkable
26	06/17/11	5062		08:25:45	188.1		08:25:46	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	285.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 65
ANIMAL ID: 910

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:46:23	105.5			
9	05/31/11	5062		09:52:14	134.6		09:52:16	Unremarkable
19	06/10/11	5062		08:16:26	158.8		08:16:27	Unremarkable
26	06/17/11	5062		08:26:03	172.2		08:26:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:00:58	192.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 66
ANIMAL ID: 911

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:46:38	115.5			
9	05/31/11	5062		09:52:30	149.3		09:52:36	Unremarkable
19	06/10/11	5062		08:16:39	179.3		08:16:39	Unremarkable
26	06/17/11	5062		08:26:14	198.3		08:26:15	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:10:38	280.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 66
ANIMAL ID: 912

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:46:48	98.8			
9	05/31/11	5062		09:53:12	140.5		09:53:14	Unremarkable
19	06/10/11	5062		08:16:53	163.6		08:16:53	Unremarkable
26	06/17/11	5062		08:26:24	176.9		08:26:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:02	181.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 66
ANIMAL ID: 913

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:47:23	116.3			
9	05/31/11	5062		09:53:32	149.9		09:53:33	Unremarkable
19	06/10/11	5062		08:17:29	176.7		08:17:30	Unremarkable
26	06/17/11	5062		08:26:45	195.0		08:26:45	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:54:11	203.7		06:54:11	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 66
ANIMAL ID: 914

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:47:34	115.3			
9	05/31/11	5062		09:53:45	147.2		09:53:45	Unremarkable
19	06/10/11	5062		08:17:42	170.1		08:17:43	Unremarkable
26	06/17/11	5062		08:26:54	180.1		08:26:54	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:02	182.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 66
ANIMAL ID: 915

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:47:43	108.7			
9	05/31/11	5062		09:53:57	142.8		09:53:59	Unremarkable
19	06/10/11	5062		08:17:52	171.8		08:17:52	Unremarkable
26	06/17/11	5062		08:27:02	193.8		08:27:03	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
45	07/06/11	16		09:01:00	215.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 67
ANIMAL ID: 916

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:47:56	113.1			
9	05/31/11	5062		09:54:10	145.0		09:54:12	Unremarkable
19	06/10/11	5062		08:18:06	167.3		08:18:06	Unremarkable
26	06/17/11	5062		08:27:13	180.4		08:27:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:04	185.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 67
ANIMAL ID: 917

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:48:06	112.4			
9	05/31/11	5062		09:54:21	143.4		09:54:23	Unremarkable
19	06/10/11	5062		08:18:18	164.7		08:18:19	Unremarkable
26	06/17/11	5062		08:27:25	181.3		08:27:25	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:04	183.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 67
ANIMAL ID: 918

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:48:17	108.5			
9	05/31/11	5062		09:54:32	140.7		09:54:33	Unremarkable
19	06/10/11	5062		08:18:29	168.1		08:18:30	Unremarkable
26	06/17/11	5062		08:27:38	186.5		08:27:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:04	185.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 67
ANIMAL ID: 919

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:48:30	96.0			
9	05/31/11	5062		09:55:05	138.8		09:55:08	Unremarkable
19	06/10/11	5062		08:18:43	165.2		08:18:44	Unremarkable
26	06/17/11	5062		08:27:49	188.3		08:27:50	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:46	234.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 67
ANIMAL ID: 920

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:48:43	96.7			
9	05/31/11	5062		09:55:14	126.4		09:55:16	Unremarkable
19	06/10/11	5062		08:19:01	144.7		08:19:01	Unremarkable
26	06/17/11	5062		08:28:00	162.9		08:28:00	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:54:35	173.6		06:54:35	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 68
ANIMAL ID: 921

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:49:00	100.1			
9	05/31/11	5062		09:55:24	131.8		09:55:26	Unremarkable
19	06/10/11	5062		08:19:13	153.3		08:19:14	Unremarkable
26	06/17/11	5062		08:28:10	171.4		08:28:11	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
45	07/06/11	16		09:01:02	196.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 68
ANIMAL ID: 922

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:49:15	120.4			
9	05/31/11	5062		09:55:40	161.7		09:55:42	Unremarkable
19	06/10/11	5062		08:19:24	184.1		08:19:25	Unremarkable
26	06/17/11	5062		08:28:25	202.7		08:28:26	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:06	204.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 68
ANIMAL ID: 923

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:49:32	114.0			
9	05/31/11	5062		09:55:49	146.9		09:55:50	Unremarkable
19	06/10/11	5062		08:19:41	173.4		08:19:42	Unremarkable
26	06/17/11	5062		08:28:38	190.9		08:28:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:02	214.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 68
ANIMAL ID: 924

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:49:47	107.4			
9	05/31/11	5062		09:56:00	143.0		09:56:00	Unremarkable
19	06/10/11	5062		08:19:56	179.9		08:19:56	Unremarkable
26	06/17/11	5062		08:28:54	201.2		08:28:54	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:55:20	214.0		06:55:20	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 68
ANIMAL ID: 925

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:50:20	99.4			
9	05/31/11	5062		09:56:37	139.0		09:56:40	Unremarkable
19	06/10/11	5062		08:20:23	161.4		08:20:23	Unremarkable
26	06/17/11	5062		08:29:43	179.9		08:29:44	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		08:10:38	250.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 69
ANIMAL ID: 926

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:50:33	98.6			
9	05/31/11	5062		09:57:12	138.2		09:57:14	Unremarkable
19	06/10/11	5062		08:20:43	167.7		08:20:43	Unremarkable
26	06/17/11	5062		08:30:01	190.0		08:30:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:08	188.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 69
ANIMAL ID: 927

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:50:43	102.8			
9	05/31/11	5062		09:57:20	131.9		09:57:21	Unremarkable
19	06/10/11	5062		08:21:07	147.9		08:21:12	Unremarkable
26	06/17/11	5062		08:30:11	161.2		08:30:11	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:55:37	179.9		06:55:37	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 69
ANIMAL ID: 928

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:50:52	102.9			
9	05/31/11	5062		09:57:32	136.9		09:57:33	Unremarkable
19	06/10/11	5062		08:21:30	166.5		08:21:30	Unremarkable
26	06/17/11	5062		08:30:38	187.0		08:30:39	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:48	240.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 69
ANIMAL ID: 929

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:02	107.7			
9	05/31/11	5062		09:57:44	143.9		09:57:44	Unremarkable
19	06/10/11	5062		08:21:47	172.0		08:21:52	Unremarkable
26	06/17/11	5062		08:30:53	190.6		08:30:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:08	188.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 69
ANIMAL ID: 930

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:12	99.0			
9	05/31/11	5062		09:58:09	139.1		09:58:11	Unremarkable
19	06/10/11	5062		08:22:07	160.7		08:22:08	Unremarkable
26	06/17/11	5062		08:31:12	176.8		08:31:12	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		08:14:07	261.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 70
ANIMAL ID: 931

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:24	102.5			
9	05/31/11	5062		09:58:20	135.8		09:58:24	Unremarkable
19	06/10/11	5062		08:22:37	161.1		08:22:37	Unremarkable
26	06/17/11	5062		08:31:32	179.8		08:31:32	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
157	10/26/11	1		08:14:07	262.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 70
ANIMAL ID: 932

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:36	98.8			
9	05/31/11	5062		09:58:33	132.7		09:58:34	Unremarkable
19	06/10/11	5062		08:22:49	153.4		08:22:49	Unremarkable
26	06/17/11	5062		08:31:42	172.4		08:31:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:04	193.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 70
ANIMAL ID: 933

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:47	116.8			
9	05/31/11	5062		09:58:42	153.3		09:58:42	Unremarkable
19	06/10/11	5062		08:23:00	179.6		08:23:00	Unremarkable
26	06/17/11	5062		08:31:55	194.2		08:31:56	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:56:10	203.2		06:56:10	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 70
ANIMAL ID: 934

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:51:58	114.1			
9	05/31/11	5062		09:58:51	148.1		09:58:52	Unremarkable
19	06/10/11	5062		08:23:10	168.3		08:23:11	Unremarkable
26	06/17/11	5062		08:32:10	188.9		08:32:10	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:10	186.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 70
ANIMAL ID: 935

SEX: FEMALE

TRT#: 10

DOSE: 3 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		07:52:07	105.6			
9	05/31/11	5062		09:59:01	135.0		09:59:04	Unremarkable
19	06/10/11	5062		08:23:20	154.6		08:23:21	Unremarkable
26	06/17/11	5062		08:32:23	167.6		08:32:24	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:50	209.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 78
ANIMAL ID: 1101

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:03:56	102.6			
9	05/31/11	5062		10:15:17	136.3		10:15:18	Unremarkable
19	06/10/11	5062		08:42:46	154.9		08:42:47	Unremarkable
26	06/17/11	5062		08:53:53	170.6		08:53:53	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:52	214.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 78
ANIMAL ID: 1102

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:04:44	96.3			
9	05/31/11	5062		10:15:27	127.9		10:15:27	Unremarkable
19	06/10/11	5062		08:42:57	152.3		08:42:58	Unremarkable
26	06/17/11	5062		08:54:00	167.2		08:54:00	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:57:32	175.7		06:57:32	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 78
ANIMAL ID: 1103

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:04:55	118.1			
9	05/31/11	5062		10:15:37	151.8		10:15:37	Unremarkable
19	06/10/11	5062		08:43:08	176.2		08:43:08	Unremarkable
26	06/17/11	5062		08:54:15	193.0		08:54:15	Unremarkable
REMOVED ** REASON - TSAC								
32	06/23/11	5062		06:57:48	205.6		06:57:48	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 78
ANIMAL ID: 1104

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:05:09	98.3			
9	05/31/11	5062		10:16:07	137.7		10:16:12	Unremarkable
19	06/10/11	5062		08:43:18	164.9		08:43:18	Unremarkable
26	06/17/11	5062		08:54:25	183.9		08:54:25	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:58:12	196.8		06:58:12	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 78
ANIMAL ID: 1105

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:05:29	104.0			
9	05/31/11	5062		10:16:21	138.2		10:16:23	Unremarkable
19	06/10/11	5062		08:43:29	159.9		08:43:29	Unremarkable
26	06/17/11	5062		08:54:54	169.8		08:54:57	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:12	168.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 79
ANIMAL ID: 1106

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:05:49	105.0			
9	05/31/11	5062		10:16:32	135.1		10:16:32	Unremarkable
19	06/10/11	5062		08:43:47	154.9		08:43:47	Unremarkable
26	06/17/11	5062		08:55:08	165.3		08:55:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:54	205.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 79
ANIMAL ID: 1107

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:06:05	97.9			
9	05/31/11	5062		10:17:06	135.6		10:17:08	Unremarkable
19	06/10/11	5062		08:43:58	162.4		08:43:59	Unremarkable
26	06/17/11	5062		08:55:17	182.6		08:55:18	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:58:36	190.8		06:58:36	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 79
ANIMAL ID: 1108

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:06:16	101.6			
9	05/31/11	5062		10:17:16	138.9		10:17:18	Unremarkable
19	06/10/11	5062		08:44:09	165.7		08:44:10	Unremarkable
26	06/17/11	5062		08:55:33	176.4		08:55:33	Unremarkable
REMOVED ** REASON - TSAC								
32	06/23/11	5062		06:59:00	188.7		06:59:00	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 79
ANIMAL ID: 1109

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:06:27	115.7			
9	05/31/11	5062		10:17:28	147.0		10:17:29	Unremarkable
19	06/10/11	5062		08:44:21	173.0		08:44:22	Unremarkable
26	06/17/11	5062		08:55:47	190.2		08:55:47	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:14:07	267.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 79
ANIMAL ID: 1110

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:06:44	107.4			
9	05/31/11	5062		10:17:43	142.8		10:17:44	Unremarkable
19	06/10/11	5062		08:44:50	168.7		08:44:51	Unremarkable
26	06/17/11	5062		08:56:03	193.6		08:56:03	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:06	220.6			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 80
ANIMAL ID: 1111

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:06:59	106.8			
9	05/31/11	5062		10:17:54	140.9		10:17:54	Unremarkable
19	06/10/11	5062		08:45:06	169.0		08:45:06	Unremarkable
26	06/17/11	5062		08:56:15	190.1		08:56:15	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:14:07	271.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 80
ANIMAL ID: 1112

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:07:09	116.1			
9	05/31/11	5062		10:18:03	151.2		10:18:04	Unremarkable
19	06/10/11	5062		08:45:17	179.2		08:45:18	Unremarkable
26	06/17/11	5062		08:56:27	194.2		08:56:27	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:16	192.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 80
ANIMAL ID: 1113

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:07:21	104.1			
9	05/31/11	5062		10:18:16	136.2		10:18:16	Unremarkable
19	06/10/11	5062		08:45:27	159.9		08:45:28	Unremarkable
26	06/17/11	5062		08:56:40	175.8		08:56:40	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		06:59:54	184.5		06:59:54	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 80
ANIMAL ID: 1114

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:07:36	106.8			
9	05/31/11	5062		10:18:45	146.6		10:18:50	Unremarkable
19	06/10/11	5062		08:45:40	177.9		08:45:40	Unremarkable
26	06/17/11	5062		08:57:04	195.6		08:57:04	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:16	198.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 80
ANIMAL ID: 1115

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:07:51	111.5			
9	05/31/11	5062		10:19:31	157.5		10:19:42	Unremarkable
19	06/10/11	5062		08:45:53	181.4		08:45:53	Unremarkable
26	06/17/11	5062		08:57:13	194.7		08:57:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:08	213.8			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 81
ANIMAL ID: 1116

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:08:07	106.2			
9	05/31/11	5062		10:19:59	140.5		10:20:00	Unremarkable
19	06/10/11	5062		08:46:07	167.7		08:46:08	Unremarkable
26	06/17/11	5062		08:57:52	187.2		08:57:54	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:18	187.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 81
ANIMAL ID: 1117

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:08:17	104.0			
9	05/31/11	5062		10:20:11	132.2		10:20:12	Unremarkable
19	06/10/11	5062		08:46:19	163.2		08:46:19	Unremarkable
26	06/17/11	5062		08:58:01	182.0		08:58:01	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:18	179.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 81
ANIMAL ID: 1118

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:08:34	95.0			
9	05/31/11	5062		10:20:20	126.4		10:20:20	Unremarkable
19	06/10/11	5062		08:46:29	152.3		08:46:29	Unremarkable
26	06/17/11	5062		08:58:14	165.9		08:58:14	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
31	06/22/11	1		15:01:18	163.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 81
ANIMAL ID: 1119

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:08:42	105.0			
9	05/31/11	5062		10:20:30	134.9		10:20:30	Unremarkable
19	06/10/11	5062		08:46:40	154.1		08:46:42	Unremarkable
26	06/17/11	5062		08:58:23	171.0		08:58:23	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:56	218.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 81
ANIMAL ID: 1120

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:09:20	115.4			
9	05/31/11	5062		10:20:42	156.1		10:20:42	Unremarkable
19	06/10/11	5062		08:46:58	188.9		08:46:58	Unremarkable
26	06/17/11	5062		08:58:31	206.4		08:58:32	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		07:00:19	214.6		07:00:19	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 82
ANIMAL ID: 1121

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:09:31	98.8			
9	05/31/11	5062		10:21:25	138.4		10:21:27	Unremarkable
19	06/10/11	5062		08:47:10	169.7		08:47:14	Unremarkable
26	06/17/11	5062		08:58:42	184.4		08:58:42	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:10	205.5			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 82
ANIMAL ID: 1122

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:09:43	111.4			
9	05/31/11	5062		10:21:35	139.1		10:21:36	Unremarkable
19	06/10/11	5062		08:47:29	165.7		08:47:30	Unremarkable
26	06/17/11	5062		08:58:59	181.4		08:58:59	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:20	181.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 82
ANIMAL ID: 1123

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:09:54	107.5			
9	05/31/11	5062		10:21:44	141.7		10:21:44	Unremarkable
19	06/10/11	5062		08:47:40	162.6		08:47:41	Unremarkable
26	06/17/11	5062		08:59:09	189.6		08:59:09	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:10	209.9			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 82
ANIMAL ID: 1124

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:10:05	96.8			
9	05/31/11	5062		10:21:56	132.2		10:21:56	Unremarkable
19	06/10/11	5062		08:47:51	156.6		08:47:51	Unremarkable
26	06/17/11	5062		08:59:27	170.9		08:59:27	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		07:00:50	185.6		07:00:50	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 82
ANIMAL ID: 1125

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:10:42	102.2			
9	05/31/11	5062		10:22:14	133.9		10:22:15	Unremarkable
19	06/10/11	5062		08:48:20	150.2		08:48:21	Unremarkable
26	06/17/11	5062		09:00:07	171.0		09:00:07	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:14:07	252.4			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 83
ANIMAL ID: 1126

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:10:53	106.7			
9	05/31/11	5062		10:22:30	146.1		10:22:30	Unremarkable
19	06/10/11	5062		08:48:50	173.5		08:48:51	Unremarkable
26	06/17/11	5062		09:00:18	193.4		09:00:19	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:22	195.0			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 83
ANIMAL ID: 1127

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:11:03	111.7			
9	05/31/11	5062		10:22:54	147.3		10:22:54	Unremarkable
19	06/10/11	5062		08:49:01	175.2		08:49:02	Unremarkable
26	06/17/11	5062		09:00:28	200.4		09:00:28	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		07:01:26	207.8		07:01:26	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 83
ANIMAL ID: 1128

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:11:14	103.0			
9	05/31/11	5062		10:23:03	138.9		10:23:04	Unremarkable
19	06/10/11	5062		08:49:12	164.5		08:49:12	Unremarkable
26	06/17/11	5062		09:00:40	180.2		09:00:43	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:00:58	220.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 83
ANIMAL ID: 1129

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:11:28	113.1			
9	05/31/11	5062		10:23:16	141.2		10:23:16	Unremarkable
19	06/10/11	5062		08:49:31	170.9		08:49:31	Unremarkable
26	06/17/11	5062		09:00:57	183.6		09:00:57	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:22	185.2			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 83
ANIMAL ID: 1130

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:11:39	110.3			
9	05/31/11	5062		10:23:28	147.4		10:23:29	Unremarkable
19	06/10/11	5062		08:49:42	165.6		08:49:42	Unremarkable
26	06/17/11	5062		09:01:09	183.9		09:01:10	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:14:07	256.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 84
ANIMAL ID: 1131

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:11:51	107.2			
9	05/31/11	5062		10:24:01	147.3		10:24:05	Unremarkable
19	06/10/11	5062		08:49:54	174.9		08:49:54	Unremarkable
26	06/17/11	5062		09:01:27	192.6		09:01:28	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
157	10/26/11	1		08:14:07	271.1			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 84
ANIMAL ID: 1132

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:12:04	101.4			
9	05/31/11	5062		10:24:21	130.6		10:24:28	Unremarkable
19	06/10/11	5062		08:50:06	146.7		08:50:06	Unremarkable
26	06/17/11	5062		09:01:38	161.1		09:01:38	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
45	07/06/11	16		09:01:12	183.7			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 84
ANIMAL ID: 1133

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:12:59	95.7			
9	05/31/11	5062		10:24:58	133.2		10:25:00	Unremarkable
19	06/10/11	5062		08:50:16	160.8		08:50:17	Unremarkable
26	06/17/11	5062		09:01:47	174.9		09:01:48	Unremarkable
	REMOVED ** REASON - TSAC							
32	06/23/11	5062		07:02:06	186.2		07:02:06	Unremarkable

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 84
ANIMAL ID: 1134

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:12:30	120.4			
9	05/31/11	5062		10:25:06	157.6		10:25:08	Unremarkable
19	06/10/11	5062		08:50:27	189.8		08:50:27	Unremarkable
26	06/17/11	5062		09:02:00	208.5		09:02:00	Unremarkable
	REMOVED ** REASON - SSAC w/o Nec							
31	06/22/11	1		15:01:24	205.3			

Experiment Number: 07062 - 01

Test Type: 30-day

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

E12: ANIMAL HISTORY

1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 06/05/2012

Time Report Requested: 12:17:10

First Dose M/F: 05/23/11 / 05/23/11

Lab: BNW

CAGE: 84
ANIMAL ID: 1135

SEX: FEMALE

TRT#: 12

DOSE: 10 mg/m3

DAY	DATE	OP ID	DOSE TIME	WEIGHT TIME	WT(G)	WEIGHT STATUS	OBS TIME	OBSERVATIONS
1	05/23/11	1		08:12:40	105.8			
9	05/31/11	5062		10:25:19	142.1		10:25:23	Unremarkable
19	06/10/11	5062		08:50:41	169.2		08:50:42	Unremarkable
26	06/17/11	5062		09:02:11	179.4		09:02:11	Unremarkable
REMOVED ** REASON - SSAC w/o Nec								
73	08/03/11	1		08:01:00	217.1			

END OF REPORT