

Experiment Number: 96014 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
Water disinfection byproducts (Bromodichloroacetic acid)
CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
Time Report Requested: 08:02:51
First Dose M/F: 10/26/06 / 10/27/06
Lab: BAT

F1_RD_Rev. 1

NTP Study Number:	C96014B		
Lock Date:	11/17/2009		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.1.1_001		
PWG Approval Date:	NONE		

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Brain
Clitoral/Preputial Gland
Islets, Pancreatic
Liver
Lung
Pancreas
Pituitary Gland
Testes
Thymus
Thyroid Gland

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**SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF WATER DISINFECTION BYPRODUCTS
(BROMODICHLOROACETIC ACID)**

Pituitary Gland: Pars Distalis or Unspecified Site	Carcinoma or Adenoma Fibroadenoma Fibroma, Fibroadenoma or Adenoma Fibroma, Fibroadenoma, Carcinoma, or Adenoma Adenoma
Uterus	Carcinoma or Adenoma Polyp Stromal Sarcoma Stromal or Polyp Stromal
Zymbal's Gland	Carcinoma
All Organs	Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated Benign Tumors Malignant Tumors Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	2/38.65	0/39.44	4/42.39	0/38.36
POLY-3 PERCENT (g)	5.2%	0%	9.4%	0%
TERMINAL (d)	2/19 (11%)	0/21 (0%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	726 (T)	---	611	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.345N	P=0.232N	P=0.380	P=0.238N
POLY 1.5	P=0.339N	P=0.237N	P=0.359	P=0.238N
POLY 6	P=0.351N	P=0.222N	P=0.417	P=0.235N
COCH-ARM / FISHERS	P=0.337N	P=0.247N	P=0.339	P=0.247N
MAX-ISO-POLY-3	P=0.189N	P=0.075N	P=0.243	P=0.077N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	10/50 (20%)	8/50 (16%)	9/50 (18%)	11/50 (22%)
POLY-3 RATE (b)	10/40.16	8/39.75	9/42.48	11/39.75
POLY-3 PERCENT (g)	24.9%	20.1%	21.2%	27.7%
TERMINAL (d)	5/19 (26%)	5/21 (24%)	5/25 (20%)	6/19 (32%)
FIRST INCIDENCE	561	685	657	561
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.377	P=0.403N	P=0.444N	P=0.489
POLY 1.5	P=0.379	P=0.411N	P=0.471N	P=0.491
POLY 6	P=0.380	P=0.385N	P=0.397N	P=0.495
COCH-ARM / FISHERS	P=0.380	P=0.398N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.446	P=0.304N	P=0.346N	P=0.386
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	1/39.44	2/41.80	1/38.36
POLY-3 PERCENT (g)	0%	2.5%	4.8%	2.6%
TERMINAL (d)	0/19 (0%)	1/21 (5%)	1/25 (4%)	1/19 (5%)
FIRST INCIDENCE	---	726 (T)	724	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.360	P=0.504	P=0.255	P=0.499
POLY 1.5	P=0.362	P=0.500	P=0.246	P=0.499
POLY 6	P=0.359	P=0.513	P=0.269	P=0.500
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.246	P=0.163	P=0.092	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	10/50 (20%)	9/50 (18%)	11/50 (22%)	12/50 (24%)
POLY-3 RATE (b)	10/40.16	9/39.75	11/42.49	12/39.75
POLY-3 PERCENT (g)	24.9%	22.6%	25.9%	30.2%
TERMINAL (d)	5/19 (26%)	6/21 (29%)	6/25 (24%)	7/19 (37%)
FIRST INCIDENCE	561	685	657	561
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.290	P=0.510N	P=0.560	P=0.388
POLY 1.5	P=0.295	P=0.516N	P=0.531	P=0.393
POLY 6	P=0.290	P=0.494N	P=0.596N	P=0.391
COCH-ARM / FISHERS	P=0.299	P=0.500N	P=0.500	P=0.405
MAX-ISO-POLY-3	P=0.413	P=0.404N	P=0.459	P=0.296
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Bone				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	2/38.55
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.045*	(e)	(e)	P=0.236
POLY 1.5	P=0.045*	(e)	(e)	P=0.236
POLY 6	P=0.045*	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Bone				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/38.86	0/39.44	0/41.79	3/38.55
POLY-3 PERCENT (g)	2.6%	0%	0%	7.8%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	2/19 (11%)
FIRST INCIDENCE	671	---	---	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.084	P=0.497N	P=0.485N	P=0.301
POLY 1.5	P=0.085	P=0.501N	P=0.492N	P=0.302
POLY 6	P=0.083	P=0.490N	P=0.474N	P=0.303
COCH-ARM / FISHERS	P=0.086	P=0.500N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.041*	P=0.158N	P=0.158N	P=0.151
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Brain				
Glioma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	1/39.44	2/41.95	2/38.61
POLY-3 PERCENT (g)	0%	2.5%	4.8%	5.2%
TERMINAL (d)	0/19 (0%)	1/21 (5%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	---	726 (T)	688	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.158	P=0.504	P=0.255	P=0.236
POLY 1.5	P=0.159	P=0.500	P=0.247	P=0.236
POLY 6	P=0.160	P=0.513	P=0.271	P=0.239
COCH-ARM / FISHERS	P=0.160	P=0.500	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.158	P=0.163	P=0.093	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Brain				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/38.86	0/39.44	0/41.79	0/38.36
POLY-3 PERCENT (g)	5.2%	0%	0%	0%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	678	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.233N	P=0.221N	P=0.239N
POLY 1.5	P=0.111N	P=0.238N	P=0.229N	P=0.239N
POLY 6	P=0.112N	P=0.225N	P=0.208N	P=0.238N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.034N*	P=0.075N	P=0.075N	P=0.078N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	5/50 (10%)	0/49 (0%)
POLY-3 RATE (b)	2/38.91	1/39.75	5/42.67	0/37.79
POLY-3 PERCENT (g)	5.1%	2.5%	11.7%	0%
TERMINAL (d)	1/19 (5%)	0/21 (0%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	657	644	442	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.328N	P=0.493N	P=0.254	P=0.243N
POLY 1.5	P=0.323N	P=0.500N	P=0.236	P=0.243N
POLY 6	P=0.333N	P=0.478N	P=0.283	P=0.241N
COCH-ARM / FISHERS	P=0.320N	P=0.500N	P=0.218	P=0.253N
MAX-ISO-POLY-3	P=0.153N	P=0.275N	P=0.155	P=0.080N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	2/39.06	1/39.44	0/41.79	1/38.20
POLY-3 PERCENT (g)	5.1%	2.5%	0%	2.6%
TERMINAL (d)	0/19 (0%)	1/21 (5%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	664	726 (T)	---	610
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.367N	P=0.497N	P=0.222N	P=0.508N
POLY 1.5	P=0.369N	P=0.502N	P=0.229N	P=0.509N
POLY 6	P=0.365N	P=0.486N	P=0.210N	P=0.504N
COCH-ARM / FISHERS	P=0.372N	P=0.500N	P=0.247N	P=0.508N
MAX-ISO-POLY-3	P=0.231N	P=0.278N	P=0.075N	P=0.287N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	5/50 (10%)	1/49 (2%)
POLY-3 RATE (b)	4/39.32	2/39.75	5/42.67	1/38.20
POLY-3 PERCENT (g)	10.2%	5%	11.7%	2.6%
TERMINAL (d)	1/19 (5%)	1/21 (5%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	657	644	442	610
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.219N	P=0.331N	P=0.551	P=0.185N
POLY 1.5	P=0.218N	P=0.339N	P=0.528	P=0.186N
POLY 6	P=0.220N	P=0.315N	P=0.586	P=0.182N
COCH-ARM / FISHERS	P=0.217N	P=0.339N	P=0.500	P=0.187N
MAX-ISO-POLY-3	P=0.171N	P=0.196N	P=0.413	P=0.089N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Intestine Large: Colon/Rectum Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	1/41.79	2/38.36
POLY-3 PERCENT (g)	0%	0%	2.4%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	2/19 (11%)
FIRST INCIDENCE	---	---	726 (T)	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.068	(e)	P=0.516	P=0.235
POLY 1.5	P=0.069	(e)	P=0.508	P=0.235
POLY 6	P=0.067	(e)	P=0.528	P=0.236
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.077	(e)	P=0.177	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	3/39.47	2/41.12	0/38.36
POLY-3 PERCENT (g)	0%	7.6%	4.9%	0%
TERMINAL (d)	0/19 (0%)	2/21 (10%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	---	719	726 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.409N	P=0.121	P=0.251	(e)
POLY 1.5	P=0.412N	P=0.118	P=0.242	(e)
POLY 6	P=0.401N	P=0.128	P=0.267	(e)
COCH-ARM / FISHERS	P=0.410N	P=0.121	P=0.242	(e)
MAX-ISO-POLY-3	P=0.240	P=0.040*	P=0.090	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	3/39.47	2/41.12	0/38.36
POLY-3 PERCENT (g)	0%	7.6%	4.9%	0%
TERMINAL (d)	0/19 (0%)	2/21 (10%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	---	719	726 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.409N	P=0.121	P=0.251	(e)
POLY 1.5	P=0.412N	P=0.118	P=0.242	(e)
POLY 6	P=0.401N	P=0.128	P=0.267	(e)
COCH-ARM / FISHERS	P=0.410N	P=0.121	P=0.242	(e)
MAX-ISO-POLY-3	P=0.240	P=0.040*	P=0.090	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	1/39.79	2/42.17	0/38.36
POLY-3 PERCENT (g)	0%	2.5%	4.7%	0%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	---	629	618	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.620N	P=0.506	P=0.257	(e)
POLY 1.5	P=0.619N	P=0.501	P=0.247	(e)
POLY 6	P=0.619N	P=0.516	P=0.273	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.348	P=0.165	P=0.094	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/38.88	2/39.44	0/41.79	1/38.36
POLY-3 PERCENT (g)	7.7%	5.1%	0%	2.6%
TERMINAL (d)	2/19 (11%)	2/21 (10%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	664	726 (T)	---	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.159N	P=0.493N	P=0.105N	P=0.309N
POLY 1.5	P=0.161N	P=0.502N	P=0.112N	P=0.308N
POLY 6	P=0.156N	P=0.477N	P=0.096N	P=0.307N
COCH-ARM / FISHERS	P=0.163N	P=0.500N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.112N	P=0.318N	P=0.037N*	P=0.157N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/38.88	2/39.44	0/41.79	2/38.36
POLY-3 PERCENT (g)	7.7%	5.1%	0%	5.2%
TERMINAL (d)	2/19 (11%)	2/21 (10%)	0/25 (0%)	2/19 (11%)
FIRST INCIDENCE	664	726 (T)	---	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.368N	P=0.493N	P=0.105N	P=0.506N
POLY 1.5	P=0.369N	P=0.502N	P=0.112N	P=0.505N
POLY 6	P=0.364N	P=0.477N	P=0.096N	P=0.505N
COCH-ARM / FISHERS	P=0.373N	P=0.500N	P=0.121N	P=0.500N
MAX-ISO-POLY-3	P=0.219N	P=0.318N	P=0.037N*	P=0.329N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	0/38.36
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	0/38.36
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	0/38.36
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	2/39.44	3/41.95	1/38.36
POLY-3 PERCENT (g)	0%	5.1%	7.2%	2.6%
TERMINAL (d)	0/19 (0%)	2/21 (10%)	2/25 (8%)	1/19 (5%)
FIRST INCIDENCE	---	726 (T)	685	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.437	P=0.241	P=0.133	P=0.499
POLY 1.5	P=0.439	P=0.237	P=0.126	P=0.499
POLY 6	P=0.438	P=0.250	P=0.146	P=0.500
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.207	P=0.080	P=0.050*	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	2/39.44	3/41.95	1/38.36
POLY-3 PERCENT (g)	0%	5.1%	7.2%	2.6%
TERMINAL (d)	0/19 (0%)	2/21 (10%)	2/25 (8%)	1/19 (5%)
FIRST INCIDENCE	---	726 (T)	685	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.437	P=0.241	P=0.133	P=0.499
POLY 1.5	P=0.439	P=0.237	P=0.126	P=0.499
POLY 6	P=0.438	P=0.250	P=0.146	P=0.500
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.207	P=0.080	P=0.050*	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	2/39.44	3/41.95	1/38.36
POLY-3 PERCENT (g)	0%	5.1%	7.2%	2.6%
TERMINAL (d)	0/19 (0%)	2/21 (10%)	2/25 (8%)	1/19 (5%)
FIRST INCIDENCE	---	726 (T)	685	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.437	P=0.241	P=0.133	P=0.499
POLY 1.5	P=0.439	P=0.237	P=0.126	P=0.499
POLY 6	P=0.438	P=0.250	P=0.146	P=0.500
COCH-ARM / FISHERS	P=0.444	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.207	P=0.080	P=0.050*	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Papilloma Squamous or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	2/42.56	2/38.55
POLY-3 PERCENT (g)	0%	0%	4.7%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	1/19 (5%)
FIRST INCIDENCE	---	---	442	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.083	(e)	P=0.259	P=0.236
POLY 1.5	P=0.084	(e)	P=0.249	P=0.236
POLY 6	P=0.082	(e)	P=0.276	P=0.238
COCH-ARM / FISHERS	P=0.086	(e)	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.119	(e)	P=0.097	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/39.10	0/39.44	3/42.86	3/38.86
POLY-3 PERCENT (g)	2.6%	0%	7%	7.7%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	1/19 (5%)
FIRST INCIDENCE	593	---	442	642
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.105	P=0.498N	P=0.338	P=0.302
POLY 1.5	P=0.107	P=0.501N	P=0.323	P=0.302
POLY 6	P=0.103	P=0.492N	P=0.363	P=0.305
COCH-ARM / FISHERS	P=0.108	P=0.500N	P=0.309	P=0.309
MAX-ISO-POLY-3	P=0.134	P=0.158N	P=0.187	P=0.151
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Mucosa				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	0/39.44	2/42.56	1/38.55
POLY-3 PERCENT (g)	0%	0%	4.7%	2.6%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	---	---	442	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.239	(e)	P=0.259	P=0.499
POLY 1.5	P=0.242	(e)	P=0.249	P=0.499
POLY 6	P=0.237	(e)	P=0.276	P=0.502
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.191	(e)	P=0.097	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pancreas				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/38.65	0/39.44	2/41.12	2/38.51
POLY-3 PERCENT (g)	2.6%	0%	4.9%	5.2%
TERMINAL (d)	1/19 (5%)	0/21 (0%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	726 (T)	---	726 (T)	707
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.241	P=0.496N	P=0.522	P=0.499
POLY 1.5	P=0.244	P=0.500N	P=0.508	P=0.498
POLY 6	P=0.238	P=0.487N	P=0.545	P=0.503
COCH-ARM / FISHERS	P=0.245	P=0.500N	P=0.492	P=0.500
MAX-ISO-POLY-3	P=0.270	P=0.158N	P=0.304	P=0.279
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	26/50 (52%)	29/49 (59%)	26/49 (53%)	20/48 (42%)
POLY-3 RATE (b)	26/43.72	29/43.43	26/44.72	20/40.54
POLY-3 PERCENT (g)	59.5%	66.8%	58.1%	49.3%
TERMINAL (d)	11/19 (58%)	13/21 (62%)	14/24 (58%)	8/18 (44%)
FIRST INCIDENCE	477	516	442	499
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.306	P=0.537N	P=0.228N
POLY 1.5	P=0.113N	P=0.280	P=0.575N	P=0.221N
POLY 6	P=0.123N	P=0.371	P=0.476N	P=0.229N
COCH-ARM / FISHERS	P=0.110N	P=0.303	P=0.538	P=0.206N
MAX-ISO-POLY-3	P=0.156N	P=0.230	P=0.447N	P=0.172N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	26/50 (52%)	30/49 (61%)	26/49 (53%)	20/48 (42%)
POLY-3 RATE (b)	26/43.72	30/43.43	26/44.72	20/40.54
POLY-3 PERCENT (g)	59.5%	69.1%	58.1%	49.3%
TERMINAL (d)	11/19 (58%)	14/21 (67%)	14/24 (58%)	8/18 (44%)
FIRST INCIDENCE	477	516	442	499
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.102N	P=0.226	P=0.537N	P=0.228N
POLY 1.5	P=0.098N	P=0.208	P=0.575N	P=0.221N
POLY 6	P=0.105N	P=0.279	P=0.476N	P=0.229N
COCH-ARM / FISHERS	P=0.097N	P=0.235	P=0.538	P=0.206N
MAX-ISO-POLY-3	P=0.126N	P=0.163	P=0.447N	P=0.172N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal Cell Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	0/38.65	0/39.44	4/42.94	4/38.64
POLY-3 PERCENT (g)	0%	0%	9.3%	10.4%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	3/19 (16%)
FIRST INCIDENCE	---	---	513	653
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.012*	(e)	P=0.074	P=0.059
POLY 1.5	P=0.013*	(e)	P=0.067	P=0.059
POLY 6	P=0.012*	(e)	P=0.087	P=0.060
COCH-ARM / FISHERS	P=0.014*	(e)	P=0.059	P=0.059
MAX-ISO-POLY-3	P=0.018*	(e)	P=0.031*	P=0.019*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	0/38.65	0/39.44	4/42.94	5/38.99
POLY-3 PERCENT (g)	0%	0%	9.3%	12.8%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	3/19 (16%)
FIRST INCIDENCE	---	---	513	629
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.004**	(e)	P=0.074	P=0.030*
POLY 1.5	P=0.004**	(e)	P=0.067	P=0.030*
POLY 6	P=0.004**	(e)	P=0.087	P=0.031*
COCH-ARM / FISHERS	P=0.005**	(e)	P=0.059	P=0.028*
MAX-ISO-POLY-3	P=0.006**	(e)	P=0.031*	P=0.010**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	5/50 (10%)	14/50 (28%)	19/50 (38%)
POLY-3 RATE (b)	9/40.54	5/39.51	14/44.09	19/40.61
POLY-3 PERCENT (g)	22.2%	12.7%	31.8%	46.8%
TERMINAL (d)	2/19 (11%)	3/21 (14%)	7/25 (28%)	10/19 (53%)
FIRST INCIDENCE	544	716	493	621
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.201N	P=0.226	P=0.014*
POLY 1.5	P<0.001**	P=0.203N	P=0.200	P=0.016*
POLY 6	P<0.001**	P=0.197N	P=0.271	P=0.013*
COCH-ARM / FISHERS	P=0.002**	P=0.194N	P=0.171	P=0.022*
MAX-ISO-POLY-3	P=0.002**	P=0.131N	P=0.169	P=0.007**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	6/50 (12%)	10/50 (20%)	15/50 (30%)
POLY-3 RATE (b)	4/39.11	6/40.57	10/42.92	15/41.72
POLY-3 PERCENT (g)	10.2%	14.8%	23.3%	36%
TERMINAL (d)	2/19 (11%)	2/21 (10%)	7/25 (28%)	7/19 (37%)
FIRST INCIDENCE	657	595	442	467
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.391	P=0.098	P=0.005**
POLY 1.5	P<0.001**	P=0.374	P=0.086	P=0.004**
POLY 6	P=0.002**	P=0.425	P=0.120	P=0.006**
COCH-ARM / FISHERS	P<0.001**	P=0.370	P=0.074	P=0.005**
MAX-ISO-POLY-3	P=0.002**	P=0.273	P=0.064	P=0.003**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	6/50 (12%)	12/50 (24%)	17/50 (34%)
POLY-3 RATE (b)	6/39.37	6/40.57	12/43.02	17/42.07
POLY-3 PERCENT (g)	15.2%	14.8%	27.9%	40.4%
TERMINAL (d)	2/19 (11%)	2/21 (10%)	8/25 (32%)	7/19 (37%)
FIRST INCIDENCE	657	595	442	467
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.601N	P=0.128	P=0.009**
POLY 1.5	P<0.001**	P=0.618N	P=0.112	P=0.008**
POLY 6	P=0.002**	P=0.569N	P=0.157	P=0.011*
COCH-ARM / FISHERS	P<0.001**	P=0.620N	P=0.096	P=0.008**
MAX-ISO-POLY-3	P=0.002**	P=0.477N	P=0.089	P=0.005**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/38.88	0/39.44	2/41.89	2/38.71
POLY-3 PERCENT (g)	2.6%	0%	4.8%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	664	---	702	657
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.242	P=0.497N	P=0.526	P=0.498
POLY 1.5	P=0.244	P=0.501N	P=0.514	P=0.498
POLY 6	P=0.239	P=0.490N	P=0.547	P=0.503
COCH-ARM / FISHERS	P=0.245	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.270	P=0.158N	P=0.308	P=0.279
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/38.91	0/39.44	2/41.89	2/38.71
POLY-3 PERCENT (g)	5.1%	0%	4.8%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	664	---	702	657
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.440	P=0.233N	P=0.668N	P=0.693
POLY 1.5	P=0.443	P=0.238N	P=0.680N	P=0.692
POLY 6	P=0.437	P=0.225N	P=0.646N	P=0.694N
COCH-ARM / FISHERS	P=0.444	P=0.247N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.444	P=0.075N	P=0.470N	P=0.497
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	3/50 (6%)	10/50 (20%)	15/50 (30%)
POLY-3 RATE (b)	7/40.36	3/39.49	10/43.04	15/40.41
POLY-3 PERCENT (g)	17.3%	7.6%	23.2%	37.1%
TERMINAL (d)	1/19 (5%)	2/21 (10%)	5/25 (20%)	7/19 (37%)
FIRST INCIDENCE	544	716	493	621
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.003**	P=0.162N	P=0.346	P=0.035*
POLY 1.5	P=0.004**	P=0.165N	P=0.323	P=0.038*
POLY 6	P=0.003**	P=0.158N	P=0.383	P=0.035*
COCH-ARM / FISHERS	P=0.005**	P=0.159N	P=0.298	P=0.045*
MAX-ISO-POLY-3	P=0.004**	P=0.095N	P=0.258	P=0.020*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/38.65	0/39.44	1/41.79	0/38.36
POLY-3 PERCENT (g)	2.6%	0%	2.4%	0%
TERMINAL (d)	1/19 (5%)	0/21 (0%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	726 (T)	---	726 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/38.83	1/39.44	0/41.79	1/38.56
POLY-3 PERCENT (g)	7.7%	2.5%	0%	2.6%
TERMINAL (d)	2/19 (11%)	1/21 (5%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	680	726 (T)	---	674
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.196N	P=0.298N	P=0.105N	P=0.306N
POLY 1.5	P=0.197N	P=0.306N	P=0.112N	P=0.307N
POLY 6	P=0.194N	P=0.284N	P=0.095N	P=0.302N
COCH-ARM / FISHERS	P=0.200N	P=0.309N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.083N	P=0.150N	P=0.037N*	P=0.155N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	5/50 (10%)	11/50 (22%)	16/50 (32%)
POLY-3 RATE (b)	9/40.54	5/39.51	11/43.04	16/40.61
POLY-3 PERCENT (g)	22.2%	12.7%	25.6%	39.4%
TERMINAL (d)	2/19 (11%)	3/21 (14%)	6/25 (24%)	7/19 (37%)
FIRST INCIDENCE	544	716	493	621
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.201N	P=0.459	P=0.069
POLY 1.5	P=0.013*	P=0.203N	P=0.432	P=0.073
POLY 6	P=0.013*	P=0.197N	P=0.500	P=0.070
COCH-ARM / FISHERS	P=0.015*	P=0.194N	P=0.402	P=0.083
MAX-ISO-POLY-3	P=0.015*	P=0.131N	P=0.362	P=0.042*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	4/50 (8%)	10/50 (20%)	16/50 (32%)
POLY-3 RATE (b)	9/40.54	4/39.49	10/43.04	16/40.61
POLY-3 PERCENT (g)	22.2%	10.1%	23.2%	39.4%
TERMINAL (d)	2/19 (11%)	3/21 (14%)	5/25 (20%)	7/19 (37%)
FIRST INCIDENCE	544	716	493	621
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.010**	P=0.120N	P=0.559	P=0.069
POLY 1.5	P=0.010**	P=0.122N	P=0.532	P=0.073
POLY 6	P=0.010**	P=0.116N	P=0.601	P=0.070
COCH-ARM / FISHERS	P=0.012*	P=0.117N	P=0.500	P=0.083
MAX-ISO-POLY-3	P=0.009**	P=0.071N	P=0.455	P=0.042*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin: Sebaceous Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	2/40.10	2/42.17	2/39.45
POLY-3 PERCENT (g)	0%	5%	4.7%	5.1%
TERMINAL (d)	0/19 (0%)	1/21 (5%)	1/25 (4%)	0/19 (0%)
FIRST INCIDENCE	---	509	618	436
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.249	P=0.245	P=0.257	P=0.241
POLY 1.5	P=0.246	P=0.239	P=0.247	P=0.239
POLY 6	P=0.257	P=0.256	P=0.273	P=0.246
COCH-ARM / FISHERS	P=0.242	P=0.247	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.200	P=0.083	P=0.094	P=0.080
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Testes				
Adenoma				
TUMOR RATES				
OVERALL (a)	34/50 (68%)	31/50 (62%)	31/50 (62%)	39/50 (78%)
POLY-3 RATE (b)	34/44.66	31/41.96	31/44.87	39/45.17
POLY-3 PERCENT (g)	76.1%	73.9%	69.1%	86.3%
TERMINAL (d)	15/19 (79%)	19/21 (91%)	19/25 (76%)	19/19 (100%)
FIRST INCIDENCE	537	526	513	467
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.107	P=0.503N	P=0.292N	P=0.136
POLY 1.5	P=0.112	P=0.444N	P=0.310N	P=0.154
POLY 6	P=0.104	P=0.599N	P=0.272N	P=0.114
COCH-ARM / FISHERS	P=0.115	P=0.338N	P=0.338N	P=0.184
MAX-ISO-POLY-3	P=0.075	P=0.395N	P=0.212N	P=0.081
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thymus				
Thymoma Benign				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	0/47 (0%)	0/48 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/36.91	0/37.47	0/40.41	2/37.80
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	705
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.242
POLY 1.5	P=0.048*	(e)	(e)	P=0.241
POLY 6	P=0.047*	(e)	(e)	P=0.245
COCH-ARM / FISHERS	P=0.049*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.079
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thymus				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	0/47 (0%)	0/48 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/36.91	0/37.47	0/40.41	2/37.80
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	705
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.242
POLY 1.5	P=0.048*	(e)	(e)	P=0.241
POLY 6	P=0.047*	(e)	(e)	P=0.245
COCH-ARM / FISHERS	P=0.049*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.079
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
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 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	7/50 (14%)	9/50 (18%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	7/40.18	9/40.20	9/43.07	8/39.18
POLY-3 PERCENT (g)	17.4%	22.4%	20.9%	20.4%
TERMINAL (d)	3/19 (16%)	7/21 (33%)	5/25 (20%)	4/19 (21%)
FIRST INCIDENCE	544	533	585	642
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.468	P=0.390	P=0.451	P=0.478
POLY 1.5	P=0.475	P=0.382	P=0.422	P=0.485
POLY 6	P=0.468	P=0.409	P=0.501	P=0.478
COCH-ARM / FISHERS	P=0.487	P=0.393	P=0.393	P=0.500
MAX-ISO-POLY-3	P=0.537	P=0.288	P=0.347	P=0.366
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	8/50 (16%)	10/50 (20%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	8/40.50	10/40.62	9/43.07	8/39.18
POLY-3 PERCENT (g)	19.8%	24.6%	20.9%	20.4%
TERMINAL (d)	3/19 (16%)	7/21 (33%)	5/25 (20%)	4/19 (21%)
FIRST INCIDENCE	544	533	585	642
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.513N	P=0.397	P=0.557	P=0.582
POLY 1.5	P=0.502N	P=0.387	P=0.529	P=0.590
POLY 6	P=0.519N	P=0.418	P=0.603	P=0.577
COCH-ARM / FISHERS	P=0.487N	P=0.398	P=0.500	P=0.607N
MAX-ISO-POLY-3	P=0.632	P=0.298	P=0.449	P=0.469
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/38.65	3/39.74	0/41.79	2/39.12
POLY-3 PERCENT (g)	2.6%	7.6%	0%	5.1%
TERMINAL (d)	1/19 (5%)	1/21 (5%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	726 (T)	674	---	610
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.566	P=0.314	P=0.484N	P=0.504
POLY 1.5	P=0.560	P=0.306	P=0.492N	P=0.501
POLY 6	P=0.578	P=0.332	P=0.472N	P=0.514
COCH-ARM / FISHERS	P=0.556	P=0.309	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.441N	P=0.163	P=0.158N	P=0.284
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	2/38.43
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	710
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.045*	(e)	(e)	P=0.235
POLY 1.5	P=0.045*	(e)	(e)	P=0.235
POLY 6	P=0.045*	(e)	(e)	P=0.237
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/38.65	3/39.74	0/41.79	4/39.19
POLY-3 PERCENT (g)	2.6%	7.6%	0%	10.2%
TERMINAL (d)	1/19 (5%)	1/21 (5%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	726 (T)	674	---	610
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.168	P=0.314	P=0.484N	P=0.181
POLY 1.5	P=0.165	P=0.306	P=0.492N	P=0.179
POLY 6	P=0.174	P=0.332	P=0.472N	P=0.188
COCH-ARM / FISHERS	P=0.165	P=0.309	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.100	P=0.163	P=0.158N	P=0.086
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Tongue				
Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	1/42.09	2/38.67
POLY-3 PERCENT (g)	0%	0%	2.4%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	646	642
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.069	(e)	P=0.517	P=0.236
POLY 1.5	P=0.070	(e)	P=0.509	P=0.236
POLY 6	P=0.069	(e)	P=0.531	P=0.240
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.077	(e)	P=0.179	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Tongue				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	0/39.44	0/41.79	1/38.36
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	726 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Zymbal's Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/39.14	2/40.37	0/41.79	2/39.64
POLY-3 PERCENT (g)	2.6%	5%	0%	5.1%
TERMINAL (d)	0/19 (0%)	1/21 (5%)	0/25 (0%)	0/19 (0%)
FIRST INCIDENCE	580	309	---	481
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.476	P=0.511	P=0.487N	P=0.504
POLY 1.5	P=0.473	P=0.503	P=0.493N	P=0.502
POLY 6	P=0.482	P=0.524	P=0.476N	P=0.511
COCH-ARM / FISHERS	P=0.469	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.418	P=0.292	P=0.158N	P=0.284
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/38.65	0/39.44	2/41.79	1/39.07
POLY-3 PERCENT (g)	0%	0%	4.8%	2.6%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	---	---	726 (T)	481
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.245	(e)	P=0.254	P=0.502
POLY 1.5	P=0.246	(e)	P=0.246	P=0.501
POLY 6	P=0.245	(e)	P=0.269	P=0.506
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.189	(e)	P=0.092	P=0.161
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	0/39.44	2/41.79	2/39.81
POLY-3 PERCENT (g)	0%	0%	4.8%	5%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	2/25 (8%)	0/19 (0%)
FIRST INCIDENCE	---	---	726 (T)	467
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.089	(e)	P=0.254	P=0.243
POLY 1.5	P=0.088	(e)	P=0.246	P=0.240
POLY 6	P=0.090	(e)	P=0.269	P=0.249
COCH-ARM / FISHERS	P=0.086	(e)	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.129	(e)	P=0.092	P=0.082
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	15/50 (30%)	11/50 (22%)	15/50 (30%)	11/50 (22%)
POLY-3 RATE (b)	15/41.59	11/40.63	15/43.70	11/40.79
POLY-3 PERCENT (g)	36.1%	27.1%	34.3%	27%
TERMINAL (d)	6/19 (32%)	6/21 (29%)	6/25 (24%)	5/19 (26%)
FIRST INCIDENCE	544	629	587	481
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.289N	P=0.258N	P=0.524N	P=0.253N
POLY 1.5	P=0.288N	P=0.263N	P=0.555N	P=0.252N
POLY 6	P=0.289N	P=0.241N	P=0.465N	P=0.252N
COCH-ARM / FISHERS	P=0.293N	P=0.247N	P=0.586N	P=0.247N
MAX-ISO-POLY-3	P=0.300N	P=0.189N	P=0.432N	P=0.185N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	12/50 (24%)	18/50 (36%)	37/50 (74%)
POLY-3 RATE (b)	1/38.82	12/42.85	18/44.33	37/47.72
POLY-3 PERCENT (g)	2.6%	28%	40.6%	77.5%
TERMINAL (d)	0/19 (0%)	3/21 (14%)	10/25 (40%)	12/19 (63%)
FIRST INCIDENCE	683	309	442	389
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	12/50 (24%)	18/50 (36%)	37/50 (74%)
POLY-3 RATE (b)	1/38.82	12/42.85	18/44.33	37/47.72
POLY-3 PERCENT (g)	2.6%	28%	40.6%	77.5%
TERMINAL (d)	0/19 (0%)	3/21 (14%)	10/25 (40%)	12/19 (63%)
FIRST INCIDENCE	683	309	442	389
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.65	1/40.09	0/41.79	2/38.55
POLY-3 PERCENT (g)	0%	2.5%	0%	5.2%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	1/19 (5%)
FIRST INCIDENCE	---	516	---	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.140	P=0.507	(e)	P=0.236
POLY 1.5	P=0.140	P=0.502	(e)	P=0.236
POLY 6	P=0.142	P=0.518	(e)	P=0.238
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.077	P=0.167	(e)	P=0.075
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/38.86	1/40.09	0/41.79	3/38.55
POLY-3 PERCENT (g)	2.6%	2.5%	0%	7.8%
TERMINAL (d)	0/19 (0%)	0/21 (0%)	0/25 (0%)	2/19 (11%)
FIRST INCIDENCE	671	516	---	678
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.158	P=0.754N	P=0.485N	P=0.301
POLY 1.5	P=0.159	P=0.759N	P=0.492N	P=0.302
POLY 6	P=0.158	P=0.745N	P=0.474N	P=0.303
COCH-ARM / FISHERS	P=0.160	P=0.753N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.100	P=0.490N	P=0.158N	P=0.151
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	46/50 (92%)	44/50 (88%)	47/50 (94%)	49/50 (98%)
POLY-3 RATE (b)	46/47.76	44/46.97	47/48.95	49/49.15
POLY-3 PERCENT (g)	96.3%	93.7%	96%	99.7%
TERMINAL (d)	19/19 (100%)	20/21 (95%)	24/25 (96%)	19/19 (100%)
FIRST INCIDENCE	477	509	442	436
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.129	P=0.445N	P=0.708N	P=0.253
POLY 1.5	P=0.097	P=0.467N	P=0.645	P=0.187
POLY 6	P=0.226	P=0.386N	P=0.621N	P=0.587
COCH-ARM / FISHERS	P=0.080	P=0.370N	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.112	P=0.243N	P=0.463N	P=0.045*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	24/50 (48%)	25/50 (50%)	33/50 (66%)	46/50 (92%)
POLY-3 RATE (b)	24/43.86	25/44.11	33/46.15	46/49.25
POLY-3 PERCENT (g)	54.7%	56.7%	71.5%	93.4%
TERMINAL (d)	7/19 (37%)	11/21 (52%)	16/25 (64%)	17/19 (90%)
FIRST INCIDENCE	544	309	442	389
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.512	P=0.066	P<0.001**
POLY 1.5	P<0.001**	P=0.495	P=0.058	P<0.001**
POLY 6	P<0.001**	P=0.536	P=0.086	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.053	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.423	P=0.045*	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	49/50 (98%)	48/50 (96%)	48/50 (96%)	50/50 (100%)
POLY-3 RATE (b)	49/49.15	48/48.59	48/49.24	50/50.00
POLY-3 PERCENT (g)	99.7%	98.8%	97.5%	100%
TERMINAL (d)	19/19 (100%)	21/21 (100%)	24/25 (96%)	19/19 (100%)
FIRST INCIDENCE	477	309	442	389
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.630	P=0.819N	P=0.464N	P=1.000
POLY 1.5	P=0.510	P=0.737N	P=0.464N	P=0.944
POLY 6	P=0.727	P=0.975N	P=0.485N	P=1.000
COCH-ARM / FISHERS	P=0.296	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.350	P=0.233N	P=0.146N	P=0.161
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	1/32.79	0/27.98
POLY-3 PERCENT (g)	0%	0%	3.1%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	533	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.77	1/42.80	2/32.50	2/28.56
POLY-3 PERCENT (g)	2.2%	2.3%	6.2%	7%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	1/7 (14%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	623	641	544
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.182	P=0.751	P=0.391	P=0.352
POLY 1.5	P=0.247	P=0.756	P=0.441	P=0.420
POLY 6	P=0.120	P=0.741	P=0.318	P=0.257
COCH-ARM / FISHERS	P=0.337	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.293	P=0.487	P=0.228	P=0.212
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.84	1/42.50	0/32.19	1/28.56
POLY-3 PERCENT (g)	2.2%	2.4%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	709	709	---	544
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/44.84	2/42.87	2/32.50	2/28.56
POLY-3 PERCENT (g)	4.5%	4.7%	6.2%	7%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	1/7 (14%)	1/2 (50%)
FIRST INCIDENCE	709	623	641	544
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.381	P=0.678	P=0.572	P=0.523
POLY 1.5	P=0.481	P=0.687	P=0.631	P=0.606
POLY 6	P=0.260	P=0.663	P=0.478	P=0.390
COCH-ARM / FISHERS	P=0.596	P=0.691N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.560	P=0.481	P=0.387	P=0.354
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Bone				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Bone				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Brain				
Glioma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.07	0/42.43	2/33.20	0/27.98
POLY-3 PERCENT (g)	2.2%	0%	6%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	645	---	561	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.592N	P=0.512N	P=0.396	P=0.590N
POLY 1.5	P=0.533N	P=0.506N	P=0.444	P=0.548N
POLY 6	P=0.551	P=0.523N	P=0.326	P=0.651N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.454N	P=0.173N	P=0.230	P=0.267N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Brain				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
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 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Adenoma				
TUMOR RATES				
OVERALL (a)	8/50 (16%)	11/49 (22%)	8/49 (16%)	7/48 (15%)
POLY-3 RATE (b)	8/44.91	11/42.83	8/33.48	7/30.12
POLY-3 PERCENT (g)	17.8%	25.7%	23.9%	23.2%
TERMINAL (d)	7/34 (21%)	7/25 (28%)	2/6 (33%)	0/2 (0%)
FIRST INCIDENCE	690	558	564	509
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.348	P=0.262	P=0.354	P=0.392
POLY 1.5	P=0.532	P=0.278	P=0.462	P=0.530
POLY 6	P=0.126	P=0.234	P=0.211	P=0.206
COCH-ARM / FISHERS	P=0.360N	P=0.288	P=0.590	P=0.535N
MAX-ISO-POLY-3	P=0.460	P=0.189	P=0.282	P=0.315
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Carcinoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/44.77	0/41.43	0/31.19	0/26.73
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/34 (3%)	0/25 (0%)	0/6 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Clitoral/Preputial Gland Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	8/50 (16%)	11/49 (22%)	8/49 (16%)	7/48 (15%)
POLY-3 RATE (b)	8/44.91	11/42.83	8/33.48	7/30.12
POLY-3 PERCENT (g)	17.8%	25.7%	23.9%	23.2%
TERMINAL (d)	7/34 (21%)	7/25 (28%)	2/6 (33%)	0/2 (0%)
FIRST INCIDENCE	690	558	564	509
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.348	P=0.262	P=0.354	P=0.392
POLY 1.5	P=0.532	P=0.278	P=0.462	P=0.530
POLY 6	P=0.126	P=0.234	P=0.211	P=0.206
COCH-ARM / FISHERS	P=0.360N	P=0.288	P=0.590	P=0.535N
MAX-ISO-POLY-3	P=0.460	P=0.189	P=0.282	P=0.315
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Intestine Large: Colon/Rectum Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.77	0/42.43	1/32.50	2/28.66
POLY-3 PERCENT (g)	2.2%	0%	3.1%	7%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	643	631
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.165	P=0.511N	P=0.684	P=0.353
POLY 1.5	P=0.198	P=0.505N	P=0.721	P=0.420
POLY 6	P=0.145	P=0.521N	P=0.621	P=0.260
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.184	P=0.172N	P=0.421	P=0.212
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.77	1/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	2.2%	2.4%	0%	0%
TERMINAL (d)	1/34 (3%)	1/26 (4%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	2/32.84	1/28.44
POLY-3 PERCENT (g)	0%	0%	6.1%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	631	594
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.122	(e)	P=0.176	P=0.413
POLY 1.5	P=0.170	(e)	P=0.202	P=0.453
POLY 6	P=0.084	(e)	P=0.142	P=0.355
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.195	(e)	P=0.074	P=0.157
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	1/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/34 (0%)	1/26 (4%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	1/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/34 (0%)	1/26 (4%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/45.10	2/42.43	3/33.92	1/28.68
POLY-3 PERCENT (g)	2.2%	4.7%	8.9%	3.5%
TERMINAL (d)	0/34 (0%)	2/26 (8%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	635	727 (T)	386	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.365	P=0.479	P=0.213	P=0.650
POLY 1.5	P=0.488	P=0.490	P=0.254	P=0.705
POLY 6	P=0.213	P=0.459	P=0.158	P=0.554
COCH-ARM / FISHERS	P=0.577N	P=0.500	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.413	P=0.269	P=0.124	P=0.396
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	8/50 (16%)
POLY-3 RATE (b)	0/44.77	1/42.98	3/33.13	8/31.01
POLY-3 PERCENT (g)	0%	2.3%	9.1%	25.8%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	558	533	509
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.492	P=0.074	P<0.001**
POLY 1.5	P<0.001**	P=0.497	P=0.092	P<0.001**
POLY 6	P<0.001**	P=0.483	P=0.053	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.121	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.037*	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	1/45.10	3/42.98	6/34.86	9/31.71
POLY-3 PERCENT (g)	2.2%	7%	17.2%	28.4%
TERMINAL (d)	0/34 (0%)	2/26 (8%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	635	558	386	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.288	P=0.024*	P<0.001**
POLY 1.5	P<0.001**	P=0.298	P=0.037*	P=0.003**
POLY 6	P<0.001**	P=0.271	P=0.013*	P<0.001**
COCH-ARM / FISHERS	P=0.003**	P=0.309	P=0.056	P=0.008**
MAX-ISO-POLY-3	P<0.001**	P=0.147	P=0.017*	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	28/50 (56%)	47/50 (94%)	47/50 (94%)	39/50 (78%)
POLY-3 RATE (b)	28/46.61	47/48.67	47/47.45	39/43.52
POLY-3 PERCENT (g)	60.1%	96.6%	99.1%	89.6%
TERMINAL (d)	21/34 (62%)	26/26 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	551	558	449	414
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P=0.002**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.043*	P<0.001**	P<0.001**	P=0.016*
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	28/50 (56%)	47/50 (94%)	48/50 (96%)	40/50 (80%)
POLY-3 RATE (b)	28/46.61	47/48.67	48/48.30	40/44.22
POLY-3 PERCENT (g)	60.1%	96.6%	99.4%	90.5%
TERMINAL (d)	21/34 (62%)	26/26 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	551	558	386	414
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.020*	P<0.001**	P<0.001**	P=0.009**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	28/50 (56%)	47/50 (94%)	48/50 (96%)	42/50 (84%)
POLY-3 RATE (b)	28/46.61	47/48.67	48/48.30	42/45.43
POLY-3 PERCENT (g)	60.1%	96.6%	99.4%	92.5%
TERMINAL (d)	21/34 (62%)	26/26 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	551	558	386	414
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.004**	P<0.001**	P<0.001**	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Papilloma Squamous or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.77	2/43.36	0/32.19	2/29.07
POLY-3 PERCENT (g)	0%	4.6%	0%	6.9%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	588	---	529
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.141	P=0.230	(e)	P=0.157
POLY 1.5	P=0.187	P=0.234	(e)	P=0.191
POLY 6	P=0.092	P=0.222	(e)	P=0.116
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
MAX-ISO-POLY-3	P=0.118	P=0.076	(e)	P=0.074
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.77	2/43.36	1/32.79	2/29.07
POLY-3 PERCENT (g)	0%	4.6%	3.1%	6.9%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	588	533	529
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.121	P=0.230	P=0.439	P=0.157
POLY 1.5	P=0.172	P=0.234	P=0.467	P=0.191
POLY 6	P=0.070	P=0.222	P=0.396	P=0.116
COCH-ARM / FISHERS	P=0.245	P=0.247	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.157	P=0.076	P=0.158	P=0.074
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Oral Mucosa				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	1/28.60
POLY-3 PERCENT (g)	0%	0%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	529
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pancreas				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	23/50 (46%)	20/50 (40%)	11/49 (22%)	11/50 (22%)
POLY-3 RATE (b)	23/47.26	20/44.30	11/35.11	11/31.88
POLY-3 PERCENT (g)	48.7%	45.2%	31.3%	34.5%
TERMINAL (d)	13/34 (38%)	12/26 (46%)	1/7 (14%)	0/2 (0%)
FIRST INCIDENCE	551	551	449	551
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.070N	P=0.449N	P=0.084N	P=0.153N
POLY 1.5	P=0.018N*	P=0.390N	P=0.034N*	P=0.047N*
POLY 6	P=0.326N	P=0.551N	P=0.248N	P=0.500N
COCH-ARM / FISHERS	P=0.003N**	P=0.343N	P=0.012N*	P=0.010N**
MAX-ISO-POLY-3	P=0.109N	P=0.370N	P=0.077N	P=0.142N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	23/50 (46%)	20/50 (40%)	11/49 (22%)	11/50 (22%)
POLY-3 RATE (b)	23/47.26	20/44.30	11/35.11	11/31.88
POLY-3 PERCENT (g)	48.7%	45.2%	31.3%	34.5%
TERMINAL (d)	13/34 (38%)	12/26 (46%)	1/7 (14%)	0/2 (0%)
FIRST INCIDENCE	551	551	449	551
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.070N	P=0.449N	P=0.084N	P=0.153N
POLY 1.5	P=0.018N*	P=0.390N	P=0.034N*	P=0.047N*
POLY 6	P=0.326N	P=0.551N	P=0.248N	P=0.500N
COCH-ARM / FISHERS	P=0.003N**	P=0.343N	P=0.012N*	P=0.010N**
MAX-ISO-POLY-3	P=0.109N	P=0.370N	P=0.077N	P=0.142N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal Cell Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	1/28.31
POLY-3 PERCENT (g)	0%	0%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	638
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	1/28.31
POLY-3 PERCENT (g)	0%	0%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	638
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	1/28.31
POLY-3 PERCENT (g)	0%	0%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	638
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/45.18	0/42.43	3/33.66	2/28.92
POLY-3 PERCENT (g)	4.4%	0%	8.9%	6.9%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	608	---	574	585
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.249	P=0.251N	P=0.369	P=0.524
POLY 1.5	P=0.322	P=0.244N	P=0.429	P=0.607
POLY 6	P=0.180	P=0.264N	P=0.285	P=0.396
COCH-ARM / FISHERS	P=0.423	P=0.247N	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.294	P=0.090N	P=0.244	P=0.355
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/45.18	0/42.43	3/33.66	2/28.92
POLY-3 PERCENT (g)	4.4%	0%	8.9%	6.9%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	608	---	574	585
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.249	P=0.251N	P=0.369	P=0.524
POLY 1.5	P=0.322	P=0.244N	P=0.429	P=0.607
POLY 6	P=0.180	P=0.264N	P=0.285	P=0.396
COCH-ARM / FISHERS	P=0.423	P=0.247N	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.294	P=0.090N	P=0.244	P=0.355
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.82	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/34 (3%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	714	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.109N	P=0.249N	P=0.318N	P=0.354N
POLY 1.5	P=0.111N	P=0.243N	P=0.278N	P=0.295N
POLY 6	P=0.126N	P=0.261N	P=0.385N	P=0.455N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.163N	P=0.088N	P=0.151N	P=0.186N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Skin: Sebaceous Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thymus				
Thymoma Benign				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/47 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.02	0/41.78	0/29.91	0/27.03
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thymus				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	1/48 (2%)	0/49 (0%)	0/47 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/43.33	0/41.78	0/29.91	0/27.03
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	645	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	11/50 (22%)	10/50 (20%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	11/45.42	10/44.79	6/33.24	7/30.33
POLY-3 PERCENT (g)	24.2%	22.3%	18.1%	23.1%
TERMINAL (d)	9/34 (27%)	4/26 (15%)	2/7 (29%)	1/2 (50%)
FIRST INCIDENCE	635	558	601	586
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.514N	P=0.354N	P=0.562N
POLY 1.5	P=0.281N	P=0.502N	P=0.242N	P=0.388N
POLY 6	P=0.362	P=0.540N	P=0.555N	P=0.380
COCH-ARM / FISHERS	P=0.140N	P=0.500N	P=0.143N	P=0.218N
MAX-ISO-POLY-3	P=0.589N	P=0.414N	P=0.286N	P=0.461N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	11/50 (22%)	10/50 (20%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	11/45.42	10/44.79	7/33.24	7/30.33
POLY-3 PERCENT (g)	24.2%	22.3%	21.1%	23.1%
TERMINAL (d)	9/34 (27%)	4/26 (15%)	3/7 (43%)	1/2 (50%)
FIRST INCIDENCE	635	558	601	586
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.482N	P=0.514N	P=0.477N	P=0.562N
POLY 1.5	P=0.305N	P=0.502N	P=0.346N	P=0.388N
POLY 6	P=0.319	P=0.540N	P=0.525	P=0.380
COCH-ARM / FISHERS	P=0.150N	P=0.500N	P=0.218N	P=0.218N
MAX-ISO-POLY-3	P=0.659N	P=0.414N	P=0.386N	P=0.461N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	1/32.62	1/28.30
POLY-3 PERCENT (g)	0%	0%	3.1%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	601	641
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	1/32.62	1/28.30
POLY-3 PERCENT (g)	0%	0%	3.1%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	601	641
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Tongue				
Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	2/43.36	1/32.79	1/28.46
POLY-3 PERCENT (g)	0%	4.6%	3.1%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	588	533	586
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.296	P=0.230	P=0.439	P=0.413
POLY 1.5	P=0.390	P=0.234	P=0.467	P=0.454
POLY 6	P=0.189	P=0.222	P=0.396	P=0.355
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.353	P=0.076	P=0.158	P=0.157
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Tongue				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	2/43.36	0/32.19	1/28.46
POLY-3 PERCENT (g)	0%	4.6%	0%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	588	---	586
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.367	P=0.230	(e)	P=0.413
POLY 1.5	P=0.451	P=0.234	(e)	P=0.454
POLY 6	P=0.265	P=0.222	(e)	P=0.355
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.331	P=0.076	(e)	P=0.157
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	6/50 (12%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	4/44.77	6/44.09	8/35.71	5/29.91
POLY-3 PERCENT (g)	8.9%	13.6%	22.4%	16.7%
TERMINAL (d)	4/34 (12%)	2/26 (8%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	551	498	544
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.138	P=0.359	P=0.085	P=0.265
POLY 1.5	P=0.261	P=0.368	P=0.121	P=0.369
POLY 6	P=0.040*	P=0.344	P=0.046*	P=0.142
COCH-ARM / FISHERS	P=0.455	P=0.370	P=0.178	P=0.500
MAX-ISO-POLY-3	P=0.222	P=0.246	P=0.063	P=0.203
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	6/50 (12%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	5/45.08	6/44.09	8/35.71	6/30.55
POLY-3 PERCENT (g)	11.1%	13.6%	22.4%	19.6%
TERMINAL (d)	4/34 (12%)	2/26 (8%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	641	551	498	519
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.133	P=0.484	P=0.143	P=0.247
POLY 1.5	P=0.247	P=0.495	P=0.198	P=0.358
POLY 6	P=0.041*	P=0.463	P=0.081	P=0.121
COCH-ARM / FISHERS	P=0.428	P=0.500	P=0.277	P=0.500
MAX-ISO-POLY-3	P=0.214	P=0.360	P=0.107	P=0.195
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
Zymbal's Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	2/28.68
POLY-3 PERCENT (g)	0%	0%	0%	7%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	620
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	(e)	(e)	P=0.155
POLY 1.5	P=0.037*	(e)	(e)	P=0.190
POLY 6	P=0.035*	(e)	(e)	P=0.114
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.074
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/44.77	0/42.43	2/33.10	1/28.31
POLY-3 PERCENT (g)	0%	0%	6%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	429	636
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.120	(e)	P=0.177	P=0.413
POLY 1.5	P=0.169	(e)	P=0.204	P=0.453
POLY 6	P=0.084	(e)	P=0.142	P=0.354
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.192	(e)	P=0.074	P=0.157
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/44.82	0/42.43	2/33.10	1/28.31
POLY-3 PERCENT (g)	2.2%	0%	6%	3.5%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	714	---	429	636
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.330	P=0.511N	P=0.397	P=0.648
POLY 1.5	P=0.404	P=0.505N	P=0.445	P=0.704
POLY 6	P=0.263	P=0.521N	P=0.325	P=0.552
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.363	P=0.172N	P=0.230	P=0.394
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	19/50 (38%)	17/50 (34%)	8/50 (16%)	10/50 (20%)
POLY-3 RATE (b)	19/45.94	17/43.53	8/33.86	10/31.68
POLY-3 PERCENT (g)	41.4%	39.1%	23.6%	31.6%
TERMINAL (d)	14/34 (41%)	11/26 (42%)	1/7 (14%)	1/2 (50%)
FIRST INCIDENCE	551	594	609	554
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.126N	P=0.497N	P=0.076N	P=0.261N
POLY 1.5	P=0.047N*	P=0.453N	P=0.032N*	P=0.118N
POLY 6	P=0.399N	P=0.571N	P=0.219N	P=0.592N
COCH-ARM / FISHERS	P=0.014N*	P=0.418N	P=0.012N*	P=0.038N*
MAX-ISO-POLY-3	P=0.202N	P=0.411N	P=0.070N	P=0.226N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.77	0/42.43	0/32.19	0/27.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/26 (0%)	0/7 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
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 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	41/50 (82%)	48/50 (96%)	48/50 (96%)	46/50 (92%)
POLY-3 RATE (b)	41/47.99	48/49.24	48/48.30	46/47.30
POLY-3 PERCENT (g)	85.4%	97.5%	99.4%	97.3%
TERMINAL (d)	29/34 (85%)	26/26 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	551	551	386	414
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.011*	P=0.028*	P=0.009**	P=0.034*
POLY 1.5	P=0.027*	P=0.029*	P=0.010**	P=0.051
POLY 6	P=0.004**	P=0.022*	P=0.009**	P=0.021*
COCH-ARM / FISHERS	P=0.124	P=0.026*	P=0.026*	P=0.117
MAX-ISO-POLY-3	P<0.001**	P=0.011*	P=0.003**	P=0.013*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	23/50 (46%)	21/50 (42%)	14/50 (28%)	22/50 (44%)
POLY-3 RATE (b)	23/47.48	21/44.92	14/35.86	22/36.34
POLY-3 PERCENT (g)	48.5%	46.8%	39.1%	60.5%
TERMINAL (d)	14/34 (41%)	11/26 (42%)	2/7 (29%)	1/2 (50%)
FIRST INCIDENCE	432	558	429	509
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.189	P=0.518N	P=0.261N	P=0.183
POLY 1.5	P=0.386	P=0.468N	P=0.130N	P=0.378
POLY 6	P=0.037*	P=0.575	P=0.542N	P=0.038*
COCH-ARM / FISHERS	P=0.423N	P=0.420N	P=0.048N*	P=0.500N
MAX-ISO-POLY-3	P=0.156	P=0.435N	P=0.222N	P=0.156
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Water disinfection byproducts (Bromodichloroacetic acid)
 CAS Number: 71133-14-7

Date Report Requested: 03/05/2013
 Time Report Requested: 08:02:51
 First Dose M/F: 10/26/06 / 10/27/06
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F344/N Tac)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/L	250 mg/L	500 mg/L	1000 mg/L
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	47/50 (94%)	50/50 (100%)	49/50 (98%)	48/50 (96%)
POLY-3 RATE (b)	47/49.09	50/50.00	49/49.10	48/48.22
POLY-3 PERCENT (g)	95.7%	100%	99.8%	99.5%
TERMINAL (d)	32/34 (94%)	26/26 (100%)	7/7 (100%)	2/2 (100%)
FIRST INCIDENCE	432	551	386	414
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.155	P=0.214	P=0.239	P=0.274
POLY 1.5	P=0.250	P=0.177	P=0.249	P=0.330
POLY 6	P=0.121	P=0.231	P=0.238	P=0.248
COCH-ARM / FISHERS	P=0.556	P=0.121	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.039*	P=0.067	P=0.078	P=0.097
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 96014 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F344/N Tac

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (h) Historical Controls statistic is not calculated when the HC Poly-3 rate is higher than the Poly-3 rates for all dose groups.
- (n) No statistics are calculated if all dose groups have fewer than two tumors.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
- ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
- N Indicates a negative trend for all tests
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***