

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

Study Number: C11054B-02
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.4.3
Stat Version: 2022.03.03S

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF SULFOLANE

Males: Core Animals

Organ

ADRENAL GLAND, CORTEX
HEART
HEART: VALVE
KIDNEY

KIDNEY: INTERSTITIUM
LIVER
LUNG: EPITHELIUM, ALVEOLAR/BRONCHIOLAR
TESTIS
TESTIS: GERMINAL EPITHELIUM

Morphology

HYPERPLASIA: FOCAL
BACTERIA
INFLAMMATION: CHRONIC
BACTERIA
INFLAMMATION, CHRONIC OR CHRONIC-ACTIVE
INFLAMMATION: SUPPURATIVE
MIXED CELL FOCUS
HYPERPLASIA
DEGENERATION OR ATROPHY
ATROPHY

Females: Core Animals

Organ

KIDNEY

LIVER

OVARY: FOLLICLES

Morphology

CHRONIC PROGRESSIVE NEPHROPATHY
INFLAMMATION, CHRONIC OR CHRONIC-ACTIVE
CLEAR CELL FOCUS
FATTY CHANGE: FOCAL
CYST

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	Males: Core Animals				
	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
Disposition Summary					
Animals Initially In Study	50	50	50	50	50
Censored					
Early Deaths					
Found Dead	11	10	10	14	13
Sacrificed, Moribund	5	12	5	4	8
Survivors					
Scheduled Sacrifice, Terminal	34	28	35	32	29
Number Animals Examined Microscopically	50	50	50	50	50

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
ADRENAL GLAND, CORTEX					
HYPERPLASIA: FOCAL					
LESION RATES					
OVERALL	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	0/42.01	0/43.33	0/43.89	0/43.4	2/43.17
POLY 3 PERCENT	0%	0%	0%	0%	4.63%
TERMINAL	0/31 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	2/29 (7%)
FIRST INCIDENCE	---	---	---	---	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.020*				P=0.243
POLY 1.5	P=0.020*				P=0.246
POLY 6	P=0.019*				P=0.239
COCH-ARM / FISHERS	P=0.021*				P=0.263

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
ADRENAL GLAND, CORTEX					
HYPERTROPHY: FOCAL					
LESION RATES					
OVERALL	0/47 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY 3 RATE	0/42.01	2/43.62	0/43.89	1/43.4	3/43.17
POLY 3 PERCENT	0%	4.59%	0%	2.3%	6.95%
TERMINAL	0/31 (0%)	1/28 (4%)	0/35 (0%)	1/32 (3%)	3/29 (10%)
FIRST INCIDENCE	---	652	---	730 (T)	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.074	P=0.245		P=0.507	P=0.123
POLY 1.5	P=0.076	P=0.248		P=0.508	P=0.126
POLY 6	P=0.071	P=0.241		P=0.506	P=0.120
COCH-ARM / FISHERS	P=0.079	P=0.263		P=0.515	P=0.133

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
EPIDIDYMISS					
EXFOLIATED GERM CELL					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY 3 RATE	1/45.01	1/43.66	1/43.89	2/43.71	1/43.17
POLY 3 PERCENT	2.22%	2.29%	2.28%	4.58%	2.32%
TERMINAL	1/34 (3%)	0/28 (0%)	1/35 (3%)	1/32 (3%)	1/29 (3%)
FIRST INCIDENCE	730 (T)	640	730 (T)	645	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.633	P=0.754	P=0.755	P=0.490	P=0.751
POLY 1.5	P=0.638	P=0.757	P=0.756	P=0.493	P=0.755
POLY 6	P=0.626	P=0.750	P=0.756	P=0.489	P=0.747
COCH-ARM / FISHERS	P=0.646	P=0.753	P=0.753	P=0.500	P=0.753

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
EPIDIDYMIS: SEROSA					
INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	2/43.9	1/43.49
POLY 3 PERCENT	0%	0%	0%	4.56%	2.3%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	581	643
STATISTICAL TESTS					
POLY 3	P=0.264			P=0.232	P=0.493
POLY 1.5	P=0.266			P=0.233	P=0.496
POLY 6	P=0.261			P=0.231	P=0.490
COCH-ARM / FISHERS	P=0.270			P=0.247	P=0.500

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
EYE					
PHTHISIS BULBI					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY 3 RATE	2/45.05	0/43.33	0/43.89	1/43.71	1/43.17
POLY 3 PERCENT	4.44%	0%	0%	2.29%	2.32%
TERMINAL	1/34 (3%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	1/29 (3%)
FIRST INCIDENCE	720	---	---	645	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.602	P=0.983	P=0.983	P=0.873	P=0.871
POLY 1.5	P=0.603	P=0.983	P=0.983	P=0.874	P=0.873
POLY 6	P=0.600	P=0.982	P=0.983	P=0.873	P=0.867
COCH-ARM / FISHERS	P=0.604	P=1.000	P=1.000	P=0.879	P=0.879

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HARDERIAN GLAND HYPERPLASIA					
LESION RATES					
OVERALL	3/50 (6%)	6/50 (12%)	0/50 (0%)	4/49 (8%)	4/50 (8%)
POLY 3 RATE	3/45.05	6/43.96	0/43.89	4/42.4	4/43.54
POLY 3 PERCENT	6.66%	13.65%	0%	9.43%	9.19%
TERMINAL	2/34 (6%)	4/28 (14%)	0/35 (0%)	4/31 (13%)	3/29 (10%)
FIRST INCIDENCE	720	640	---	730 (T)	627
STATISTICAL TESTS					
POLY 3	P=0.441	P=0.229	P=0.990	P=0.467	P=0.481
POLY 1.5	P=0.447	P=0.235	P=0.990	P=0.474	P=0.489
POLY 6	P=0.430	P=0.220	P=0.991	P=0.462	P=0.472
COCH-ARM / FISHERS	P=0.455	P=0.243	P=1.000	P=0.489	P=0.500

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART BACTERIA					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	0/43.4	3/43.69
POLY 3 PERCENT	0%	0%	0%	0%	6.87%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	1/29 (3%)
FIRST INCIDENCE	---	---	---	---	628
STATISTICAL TESTS					
POLY 3	P=0.002**				P=0.113
POLY 1.5	P=0.002**				P=0.115
POLY 6	P=0.002**				P=0.111
COCH-ARM / FISHERS	P=0.003**				P=0.121

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART					
CARDIOMYOPATHY					
LESION RATES					
OVERALL	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	0/45.01	1/43.59	2/44.58	0/43.4	0/43.17
POLY 3 PERCENT	0%	2.29%	4.49%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	661	586	---	---
STATISTICAL TESTS					
POLY 3	P=0.934	P=0.494	P=0.235		
POLY 1.5	P=0.935	P=0.497	P=0.235		
POLY 6	P=0.932	P=0.489	P=0.238		
COCH-ARM / FISHERS	P=0.937	P=0.500	P=0.247		

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART					
MINERAL					
LESION RATES					
OVERALL	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	1/45.1	2/44.06	0/43.89	0/43.4	0/43.17
POLY 3 PERCENT	2.22%	4.54%	0%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	706	544	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.962	P=0.492	P=0.977	P=0.976	P=0.976
POLY 1.5	P=0.963	P=0.496	P=0.977	P=0.977	P=0.977
POLY 6	P=0.961	P=0.486	P=0.977	P=0.976	P=0.975
COCH-ARM / FISHERS	P=0.963	P=0.500	P=1.000	P=1.000	P=1.000

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART: VALVE					
BACTERIA					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	0/45.01	0/43.33	1/44.37	0/43.4	2/43.68
POLY 3 PERCENT	0%	0%	2.25%	0%	4.58%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	586	---	641
STATISTICAL TESTS					
POLY 3	P=0.080		P=0.497		P=0.230
POLY 1.5	P=0.081		P=0.498		P=0.233
POLY 6	P=0.080		P=0.499		P=0.228
COCH-ARM / FISHERS	P=0.082		P=0.500		P=0.247

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Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART: VALVE					
INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	0/43.4	2/43.86
POLY 3 PERCENT	0%	0%	0%	0%	4.56%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	---	628
STATISTICAL TESTS					
POLY 3	P=0.019*				P=0.231
POLY 1.5	P=0.019*				P=0.234
POLY 6	P=0.019*				P=0.229
COCH-ARM / FISHERS	P=0.020*				P=0.247

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Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
BACTERIA					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	4/50 (8%)
POLY 3 RATE	1/45.23	0/43.33	0/43.89	0/42.4	4/44.39
POLY 3 PERCENT	2.21%	0%	0%	0%	9.01%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/31 (0%)	2/29 (7%)
FIRST INCIDENCE	671	---	---	---	386
STATISTICAL TESTS					
POLY 3	P=0.003**	P=0.976	P=0.977	P=0.976	P=0.173
POLY 1.5	P=0.003**	P=0.977	P=0.977	P=0.976	P=0.176
POLY 6	P=0.003**	P=0.975	P=0.977	P=0.975	P=0.168
COCH-ARM / FISHERS	P=0.004**	P=1.000	P=1.000	P=1.000	P=0.181

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TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
CHRONIC PROGRESSIVE NEPHROPATHY					
LESION RATES					
OVERALL	46/50 (92%)	40/50 (80%)	40/50 (80%)	39/49 (80%)	46/50 (92%)
POLY 3 RATE	46/48.54	40/48.09	40/46.58	39/45.03	46/48.87
POLY 3 PERCENT	94.77%	83.18%	85.88%	86.61%	94.14%
TERMINAL	33/34 (97%)	24/28 (86%)	34/35 (97%)	29/31 (94%)	29/29 (100%)
FIRST INCIDENCE	538	538	523	586	386
STATISTICAL TESTS					
POLY 3	P=0.162	P=0.990	P=0.979	P=0.974	P=0.744
POLY 1.5	P=0.155	P=0.987	P=0.980	P=0.979	P=0.706
POLY 6	P=0.165	P=0.992	P=0.976	P=0.967	P=0.773
COCH-ARM / FISHERS	P=0.147	P=0.980	P=0.980	P=0.982	P=0.643

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Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
INFARCT					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY 3 RATE	2/45.29	0/43.33	0/43.89	0/42.4	0/43.17
POLY 3 PERCENT	4.42%	0%	0%	0%	0%
TERMINAL	1/34 (3%)	0/28 (0%)	0/35 (0%)	0/31 (0%)	0/29 (0%)
FIRST INCIDENCE	652	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.963	P=0.983	P=0.983	P=0.982	P=0.983
POLY 1.5	P=0.962	P=0.983	P=0.983	P=0.983	P=0.983
POLY 6	P=0.963	P=0.982	P=0.983	P=0.982	P=0.982
COCH-ARM / FISHERS	P=0.960	P=1.000	P=1.000	P=1.000	P=1.000

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Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
INFLAMMATION, CHRONIC OR CHRONIC-ACTIVE					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	3/50 (6%)
POLY 3 RATE	1/45.43	0/43.33	0/43.89	1/42.4	3/44.39
POLY 3 PERCENT	2.2%	0%	0%	2.36%	6.76%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	1/31 (3%)	1/29 (3%)
FIRST INCIDENCE	608	---	---	730 (T)	386
STATISTICAL TESTS					
POLY 3	P=0.033*	P=0.976	P=0.976	P=0.745	P=0.297
POLY 1.5	P=0.033*	P=0.977	P=0.977	P=0.749	P=0.301
POLY 6	P=0.033*	P=0.975	P=0.976	P=0.742	P=0.290
COCH-ARM / FISHERS	P=0.033*	P=1.000	P=1.000	P=0.747	P=0.309

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: INTERSTITIUM					
INFLAMMATION: SUPPURATIVE					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	0/42.4	2/43.17
POLY 3 PERCENT	0%	0%	0%	0%	4.63%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/31 (0%)	2/29 (7%)
FIRST INCIDENCE	---	---	---	---	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.019*				P=0.228
POLY 1.5	P=0.019*				P=0.232
POLY 6	P=0.018*				P=0.223
COCH-ARM / FISHERS	P=0.020*				P=0.247

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: PELVIS					
DILATION					
LESION RATES					
OVERALL	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/49 (4%)	0/50 (0%)
POLY 3 RATE	0/45.01	2/43.33	2/43.89	2/42.4	0/43.17
POLY 3 PERCENT	0%	4.62%	4.56%	4.72%	0%
TERMINAL	0/34 (0%)	2/28 (7%)	2/35 (6%)	2/31 (6%)	0/29 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.903	P=0.229	P=0.231	P=0.224	
POLY 1.5	P=0.905	P=0.233	P=0.233	P=0.227	
POLY 6	P=0.899	P=0.223	P=0.232	P=0.222	
COCH-ARM / FISHERS	P=0.909	P=0.247	P=0.247	P=0.242	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: PELVIS					
INFLAMMATION: SUPPURATIVE					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY 3 RATE	2/45.58	0/43.33	0/43.89	0/42.4	0/43.17
POLY 3 PERCENT	4.39%	0%	0%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/31 (0%)	0/29 (0%)
FIRST INCIDENCE	632	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.963	P=0.983	P=0.983	P=0.982	P=0.982
POLY 1.5	P=0.962	P=0.983	P=0.983	P=0.982	P=0.983
POLY 6	P=0.963	P=0.981	P=0.983	P=0.981	P=0.981
COCH-ARM / FISHERS	P=0.960	P=1.000	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: RENAL TUBULE CYST					
LESION RATES					
OVERALL	1/50 (2%)	4/50 (8%)	5/50 (10%)	4/49 (8%)	5/50 (10%)
POLY 3 RATE	1/45.01	4/43.48	5/45.05	4/43.24	5/43.55
POLY 3 PERCENT	2.22%	9.2%	11.1%	9.25%	11.48%
TERMINAL	1/34 (3%)	3/28 (11%)	3/35 (9%)	2/31 (6%)	4/29 (14%)
FIRST INCIDENCE	730 (T)	692	500	586	622
STATISTICAL TESTS					
POLY 3	P=0.238	P=0.168	P=0.101	P=0.166	P=0.093
POLY 1.5	P=0.244	P=0.173	P=0.101	P=0.168	P=0.097
POLY 6	P=0.230	P=0.160	P=0.104	P=0.167	P=0.089
COCH-ARM / FISHERS	P=0.253	P=0.181	P=0.102	P=0.175	P=0.102

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: RENAL TUBULE					
HYALINE DROPLET ACCUMULATION					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)	2/50 (4%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	2/42.82	2/43.49
POLY 3 PERCENT	0%	0%	0%	4.67%	4.6%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/31 (0%)	1/29 (3%)
FIRST INCIDENCE	---	---	---	637	643
STATISTICAL TESTS					
POLY 3	P=0.064			P=0.226	P=0.229
POLY 1.5	P=0.065			P=0.228	P=0.233
POLY 6	P=0.063			P=0.226	P=0.226
COCH-ARM / FISHERS	P=0.067			P=0.242	P=0.247

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: RENAL TUBULE PIGMENT					
LESION RATES					
OVERALL	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY 3 RATE	0/45.01	2/43.88	1/43.89	0/42.4	0/43.17
POLY 3 PERCENT	0%	4.56%	2.28%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	1/35 (3%)	0/31 (0%)	0/29 (0%)
FIRST INCIDENCE	---	577	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.946	P=0.231	P=0.495		
POLY 1.5	P=0.947	P=0.234	P=0.496		
POLY 6	P=0.944	P=0.227	P=0.496		
COCH-ARM / FISHERS	P=0.949	P=0.247	P=0.500		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
ANGIECTASIS					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	0/45.01	0/43.33	1/43.89	1/43.4	0/43.17
POLY 3 PERCENT	0%	0%	2.28%	2.3%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	1/35 (3%)	1/32 (3%)	0/29 (0%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.834		P=0.495	P=0.493	
POLY 1.5	P=0.836		P=0.496	P=0.495	
POLY 6	P=0.831		P=0.496	P=0.491	
COCH-ARM / FISHERS	P=0.840		P=0.500	P=0.500	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
BASOPHILIC FOCUS					
LESION RATES					
OVERALL	3/50 (6%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY 3 RATE	3/45.57	1/43.54	3/44.37	1/43.4	2/44.02
POLY 3 PERCENT	6.58%	2.3%	6.76%	2.3%	4.54%
TERMINAL	1/34 (3%)	0/28 (0%)	2/35 (6%)	1/32 (3%)	1/29 (3%)
FIRST INCIDENCE	635	674	586	730 (T)	386
STATISTICAL TESTS					
POLY 3	P=0.690	P=0.931	P=0.650	P=0.930	P=0.809
POLY 1.5	P=0.692	P=0.933	P=0.653	P=0.933	P=0.814
POLY 6	P=0.687	P=0.927	P=0.650	P=0.928	P=0.801
COCH-ARM / FISHERS	P=0.693	P=0.941	P=0.661	P=0.941	P=0.819

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
CLEAR CELL FOCUS					
LESION RATES					
OVERALL	25/50 (50%)	19/50 (38%)	22/50 (44%)	13/50 (26%)	20/50 (40%)
POLY 3 RATE	25/45.68	19/44.1	22/44.37	13/43.74	20/44.11
POLY 3 PERCENT	54.73%	43.09%	49.58%	29.72%	45.34%
TERMINAL	22/34 (65%)	15/28 (54%)	21/35 (60%)	12/32 (38%)	18/29 (62%)
FIRST INCIDENCE	635	648	586	637	549
STATISTICAL TESTS					
POLY 3	P=0.751	P=0.912	P=0.763	P=0.997	P=0.871
POLY 1.5	P=0.754	P=0.917	P=0.769	P=0.997	P=0.877
POLY 6	P=0.741	P=0.902	P=0.767	P=0.997	P=0.859
COCH-ARM / FISHERS	P=0.756	P=0.921	P=0.788	P=0.996	P=0.886

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
EOSINOPHILIC FOCUS					
LESION RATES					
OVERALL	32/50 (64%)	25/50 (50%)	26/50 (52%)	30/50 (60%)	29/50 (58%)
POLY 3 RATE	32/45.94	25/45.2	26/46.1	30/45.87	29/44.93
POLY 3 PERCENT	69.65%	55.31%	56.4%	65.4%	64.54%
TERMINAL	27/34 (79%)	14/28 (50%)	20/35 (57%)	23/32 (72%)	20/29 (69%)
FIRST INCIDENCE	610	641	523	536	542
STATISTICAL TESTS					
POLY 3	P=0.390	P=0.956	P=0.944	P=0.753	P=0.782
POLY 1.5	P=0.414	P=0.953	P=0.933	P=0.736	P=0.785
POLY 6	P=0.356	P=0.961	P=0.961	P=0.791	P=0.782
COCH-ARM / FISHERS	P=0.447	P=0.947	P=0.922	P=0.732	P=0.794

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
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Date Report Requested: 12/09/2022
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
EXTRAMEDULLARY HEMATOPOIESIS: INCREASED					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	2/45.36	0/43.33	0/43.89	0/43.4	1/43.17
POLY 3 PERCENT	4.41%	0%	0%	0%	2.32%
TERMINAL	1/34 (3%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	1/29 (3%)
FIRST INCIDENCE	632	---	---	---	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.630	P=0.983	P=0.983	P=0.983	P=0.869
POLY 1.5	P=0.629	P=0.983	P=0.983	P=0.983	P=0.873
POLY 6	P=0.631	P=0.982	P=0.983	P=0.982	P=0.864
COCH-ARM / FISHERS	P=0.627	P=1.000	P=1.000	P=1.000	P=0.879

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
FATTY CHANGE: DIFFUSE					
LESION RATES					
OVERALL	2/50 (4%)	3/50 (6%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	2/45.67	3/43.54	2/44.96	0/43.4	1/43.75
POLY 3 PERCENT	4.38%	6.89%	4.45%	0%	2.29%
TERMINAL	0/34 (0%)	2/28 (7%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	610	674	545	---	549
STATISTICAL TESTS					
POLY 3	P=0.899	P=0.478	P=0.688	P=0.983	P=0.870
POLY 1.5	P=0.901	P=0.488	P=0.689	P=0.983	P=0.873
POLY 6	P=0.895	P=0.463	P=0.690	P=0.982	P=0.866
COCH-ARM / FISHERS	P=0.904	P=0.500	P=0.691	P=1.000	P=0.879

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
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Date Report Requested: 12/09/2022
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Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
FATTY CHANGE: FOCAL					
LESION RATES					
OVERALL	9/50 (18%)	2/50 (4%)	5/50 (10%)	3/50 (6%)	8/50 (16%)
POLY 3 RATE	9/47.2	2/43.33	5/44.37	3/44.46	8/44.02
POLY 3 PERCENT	19.07%	4.62%	11.27%	6.75%	18.17%
TERMINAL	4/34 (12%)	2/28 (7%)	4/35 (11%)	1/32 (3%)	7/29 (24%)
FIRST INCIDENCE	464	730 (T)	586	538	386
STATISTICAL TESTS					
POLY 3	P=0.219	P=0.993	P=0.907	P=0.981	P=0.647
POLY 1.5	P=0.221	P=0.994	P=0.914	P=0.982	P=0.671
POLY 6	P=0.213	P=0.991	P=0.903	P=0.980	P=0.611
COCH-ARM / FISHERS	P=0.224	P=0.996	P=0.926	P=0.986	P=0.702

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
MIXED CELL FOCUS					
LESION RATES					
OVERALL	6/50 (12%)	18/50 (36%)	15/50 (30%)	13/50 (26%)	7/50 (14%)
POLY 3 RATE	6/45.57	18/44.69	15/44.96	13/43.4	7/43.17
POLY 3 PERCENT	13.17%	40.28%	33.37%	29.95%	16.21%
TERMINAL	4/34 (12%)	15/28 (54%)	13/35 (37%)	13/32 (41%)	6/29 (21%)
FIRST INCIDENCE	635	552	545	730 (T)	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.947	P=0.003**	P=0.019*	P=0.044*	P=0.458
POLY 1.5	P=0.953	P=0.003**	P=0.020*	P=0.050	P=0.476
POLY 6	P=0.936	P=0.002**	P=0.019*	P=0.039*	P=0.433
COCH-ARM / FISHERS	P=0.957	P=0.005**	P=0.024*	P=0.062	P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
NECROSIS					
LESION RATES					
OVERALL	2/50 (4%)	6/50 (12%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY 3 RATE	2/45.61	6/44.92	0/43.89	2/44.23	2/43.71
POLY 3 PERCENT	4.39%	13.36%	0%	4.52%	4.58%
TERMINAL	1/34 (3%)	1/28 (4%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	538	552	---	581	565
STATISTICAL TESTS					
POLY 3	P=0.781	P=0.127	P=0.983	P=0.683	P=0.679
POLY 1.5	P=0.785	P=0.130	P=0.983	P=0.686	P=0.685
POLY 6	P=0.774	P=0.124	P=0.983	P=0.683	P=0.671
COCH-ARM / FISHERS	P=0.787	P=0.134	P=1.000	P=0.691	P=0.691

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
TENSION LIPIDOSIS					
LESION RATES					
OVERALL	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	2/45.89	3/43.92	2/43.89	1/43.4	0/43.17
POLY 3 PERCENT	4.36%	6.83%	4.56%	2.3%	0%
TERMINAL	0/34 (0%)	1/28 (4%)	2/35 (6%)	1/32 (3%)	0/29 (0%)
FIRST INCIDENCE	538	648	730 (T)	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.973	P=0.480	P=0.678	P=0.868	P=0.982
POLY 1.5	P=0.974	P=0.489	P=0.683	P=0.871	P=0.983
POLY 6	P=0.972	P=0.468	P=0.675	P=0.865	P=0.981
COCH-ARM / FISHERS	P=0.976	P=0.500	P=0.691	P=0.879	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER: BILE DUCT CYST					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	1/45.35	1/43.33	4/44.64	0/43.4	0/43.17
POLY 3 PERCENT	2.21%	2.31%	8.96%	0%	0%
TERMINAL	0/34 (0%)	1/28 (4%)	2/35 (6%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	635	730 (T)	545	---	---
STATISTICAL TESTS					
POLY 3	P=0.965	P=0.751	P=0.174	P=0.976	P=0.976
POLY 1.5	P=0.965	P=0.755	P=0.175	P=0.977	P=0.977
POLY 6	P=0.964	P=0.743	P=0.175	P=0.976	P=0.975
COCH-ARM / FISHERS	P=0.965	P=0.753	P=0.181	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LUNG					
HEMORRHAGE					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	0/45.01	0/43.33	2/43.89	0/43.4	0/43.17
POLY 3 PERCENT	0%	0%	4.56%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	2/35 (6%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.914		P=0.231		
POLY 1.5	P=0.915		P=0.233		
POLY 6	P=0.914		P=0.232		
COCH-ARM / FISHERS	P=0.916		P=0.247		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LUNG: EPITHELIUM, ALVEOLAR/BRONCHIOLAR HYPERPLASIA					
LESION RATES					
OVERALL	3/50 (6%)	9/50 (18%)	3/50 (6%)	8/50 (16%)	5/50 (10%)
POLY 3 RATE	3/45.01	9/43.97	3/43.89	8/45.05	5/44.13
POLY 3 PERCENT	6.67%	20.47%	6.84%	17.76%	11.33%
TERMINAL	3/34 (9%)	5/28 (18%)	3/35 (9%)	4/32 (13%)	3/29 (10%)
FIRST INCIDENCE	730 (T)	552	730 (T)	586	549
STATISTICAL TESTS					
POLY 3	P=0.576	P=0.053	P=0.651	P=0.098	P=0.345
POLY 1.5	P=0.579	P=0.056	P=0.654	P=0.097	P=0.350
POLY 6	P=0.570	P=0.048*	P=0.653	P=0.103	P=0.340
COCH-ARM / FISHERS	P=0.583	P=0.061	P=0.661	P=0.100	P=0.357

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MANDIBULAR INFILTRATION, CELLULAR: HISTIOCYTE					
LESION RATES					
OVERALL	0/43 (0%)	0/50 (0%)	1/47 (2%)	0/45 (0%)	0/47 (0%)
POLY 3 RATE	0/38.77	0/43.33	1/41.06	0/38.92	0/41.34
POLY 3 PERCENT	0%	0%	2.44%	0%	0%
TERMINAL	0/31 (0%)	0/28 (0%)	1/33 (3%)	0/29 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.924		P=0.511		
POLY 1.5	P=0.924		P=0.513		
POLY 6	P=0.924		P=0.511		
COCH-ARM / FISHERS	P=0.925		P=0.522		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MANDIBULAR: LYMPHOCYTE HYPERPLASIA					
LESION RATES					
OVERALL	0/43 (0%)	0/50 (0%)	1/47 (2%)	0/45 (0%)	0/47 (0%)
POLY 3 RATE	0/38.77	0/43.33	1/41.06	0/38.92	0/41.34
POLY 3 PERCENT	0%	0%	2.44%	0%	0%
TERMINAL	0/31 (0%)	0/28 (0%)	1/33 (3%)	0/29 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.924		P=0.511		
POLY 1.5	P=0.924		P=0.513		
POLY 6	P=0.924		P=0.511		
COCH-ARM / FISHERS	P=0.925		P=0.522		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MESENTERIC INFILTRATION, CELLULAR: HISTIOCYTE					
LESION RATES					
OVERALL	0/50 (0%)	1/48 (2%)	1/47 (2%)	1/49 (2%)	0/47 (0%)
POLY 3 RATE	0/45.01	1/41.35	1/40.89	1/42.4	0/41.02
POLY 3 PERCENT	0%	2.42%	2.45%	2.36%	0%
TERMINAL	0/34 (0%)	1/27 (4%)	1/32 (3%)	1/32 (3%)	0/28 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.881	P=0.483	P=0.481	P=0.488	
POLY 1.5	P=0.882	P=0.487	P=0.483	P=0.491	
POLY 6	P=0.879	P=0.477	P=0.480	P=0.486	
COCH-ARM / FISHERS	P=0.886	P=0.490	P=0.485	P=0.495	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MESENTERIC: LYMPHOCYTE HYPERPLASIA					
LESION RATES					
OVERALL	1/50 (2%)	0/48 (0%)	0/47 (0%)	0/49 (0%)	0/47 (0%)
POLY 3 RATE	1/45.01	0/41.35	0/40.89	0/42.4	0/41.02
POLY 3 PERCENT	2.22%	0%	0%	0%	0%
TERMINAL	1/34 (3%)	0/27 (0%)	0/32 (0%)	0/32 (0%)	0/28 (0%)
FIRST INCIDENCE	730 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.958	P=0.975	P=0.975	P=0.976	P=0.975
POLY 1.5	P=0.957	P=0.976	P=0.975	P=0.976	P=0.975
POLY 6	P=0.958	P=0.974	P=0.975	P=0.975	P=0.974
COCH-ARM / FISHERS	P=0.957	P=1.000	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
NOSE: RESPIRATORY EPITHELIUM					
INFLAMMATION: SUPPURATIVE					
LESION RATES					
OVERALL	3/50 (6%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	3/45.01	3/43.33	0/43.89	0/43.4	0/43.17
POLY 3 PERCENT	6.67%	6.92%	0%	0%	0%
TERMINAL	3/34 (9%)	3/28 (11%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.986	P=0.645	P=0.990	P=0.990	P=0.990
POLY 1.5	P=0.987	P=0.653	P=0.990	P=0.990	P=0.990
POLY 6	P=0.986	P=0.633	P=0.991	P=0.990	P=0.990
COCH-ARM / FISHERS	P=0.986	P=0.661	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PITUITARY GLAND: PARS DISTALIS					
CYST					
LESION RATES					
OVERALL	0/43 (0%)	1/47 (2%)	2/47 (4%)	1/47 (2%)	3/47 (6%)
POLY 3 RATE	0/38.9	1/40.49	2/41.46	1/40.88	3/41.17
POLY 3 PERCENT	0%	2.47%	4.82%	2.45%	7.29%
TERMINAL	0/31 (0%)	1/27 (4%)	2/34 (6%)	1/30 (3%)	1/28 (4%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)	682
STATISTICAL TESTS					
POLY 3	P=0.117	P=0.508	P=0.251	P=0.510	P=0.128
POLY 1.5	P=0.118	P=0.513	P=0.253	P=0.513	P=0.131
POLY 6	P=0.115	P=0.501	P=0.250	P=0.507	P=0.125
COCH-ARM / FISHERS	P=0.120	P=0.522	P=0.270	P=0.522	P=0.138

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PITUITARY GLAND: PARS DISTALIS					
HYPERPLASIA					
LESION RATES					
OVERALL	1/43 (2%)	0/47 (0%)	1/47 (2%)	0/47 (0%)	0/47 (0%)
POLY 3 RATE	1/38.9	0/40.49	1/41.46	0/40.88	0/40.83
POLY 3 PERCENT	2.57%	0%	2.41%	0%	0%
TERMINAL	1/31 (3%)	0/27 (0%)	1/34 (3%)	0/30 (0%)	0/28 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.943	P=0.979	P=0.775	P=0.979	P=0.979
POLY 1.5	P=0.943	P=0.979	P=0.776	P=0.979	P=0.979
POLY 6	P=0.944	P=0.978	P=0.775	P=0.978	P=0.978
COCH-ARM / FISHERS	P=0.943	P=1.000	P=0.775	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PROSTATE					
INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	2/46.06	0/43.33	0/43.89	0/43.4	2/43.55
POLY 3 PERCENT	4.34%	0%	0%	0%	4.59%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	538	---	---	---	628
STATISTICAL TESTS					
POLY 3	P=0.249	P=0.982	P=0.983	P=0.982	P=0.674
POLY 1.5	P=0.248	P=0.983	P=0.983	P=0.983	P=0.682
POLY 6	P=0.251	P=0.981	P=0.982	P=0.982	P=0.664
COCH-ARM / FISHERS	P=0.246	P=1.000	P=1.000	P=1.000	P=0.691

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PROSTATE					
INFLAMMATION: SUPPURATIVE					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	2/45.23	0/43.33	0/43.89	0/43.4	0/43.17
POLY 3 PERCENT	4.42%	0%	0%	0%	0%
TERMINAL	1/34 (3%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	671	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.963	P=0.983	P=0.983	P=0.983	P=0.983
POLY 1.5	P=0.962	P=0.983	P=0.983	P=0.983	P=0.983
POLY 6	P=0.963	P=0.982	P=0.983	P=0.983	P=0.982
COCH-ARM / FISHERS	P=0.961	P=1.000	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SEMINAL VESICLE ATROPHY					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.01	0/43.33	2/43.89	0/43.4	1/43.17
POLY 3 PERCENT	0%	0%	4.56%	0%	2.32%
TERMINAL	0/34 (0%)	0/28 (0%)	2/35 (6%)	0/32 (0%)	1/29 (3%)
FIRST INCIDENCE	---	---	730 (T)	---	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.497		P=0.231		P=0.492
POLY 1.5	P=0.499		P=0.233		P=0.495
POLY 6	P=0.495		P=0.232		P=0.487
COCH-ARM / FISHERS	P=0.505		P=0.247		P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SEMINAL VESICLE HEMORRHAGE					
LESION RATES					
OVERALL	4/50 (8%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	4/45.61	1/43.33	2/43.89	1/43.4	0/43.17
POLY 3 PERCENT	8.77%	2.31%	4.56%	2.3%	0%
TERMINAL	3/34 (9%)	1/28 (4%)	2/35 (6%)	1/32 (3%)	0/29 (0%)
FIRST INCIDENCE	538	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.979	P=0.963	P=0.887	P=0.963	P=0.994
POLY 1.5	P=0.979	P=0.965	P=0.890	P=0.964	P=0.995
POLY 6	P=0.979	P=0.960	P=0.887	P=0.962	P=0.994
COCH-ARM / FISHERS	P=0.979	P=0.972	P=0.898	P=0.972	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SEMINAL VESICLE					
INFLAMMATION, CHRONIC OR CHRONIC-ACTIVE					
LESION RATES					
OVERALL	3/50 (6%)	1/50 (2%)	0/50 (0%)	4/50 (8%)	2/50 (4%)
POLY 3 RATE	3/46.29	1/43.79	0/43.89	4/43.86	2/43.17
POLY 3 PERCENT	6.48%	2.28%	0%	9.12%	4.63%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	3/32 (9%)	2/29 (7%)
FIRST INCIDENCE	538	593	---	595	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.478	P=0.929	P=0.990	P=0.471	P=0.798
POLY 1.5	P=0.485	P=0.933	P=0.990	P=0.481	P=0.807
POLY 6	P=0.466	P=0.924	P=0.989	P=0.461	P=0.785
COCH-ARM / FISHERS	P=0.493	P=0.941	P=1.000	P=0.500	P=0.819

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SEMINAL VESICLE INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	2/50 (4%)	1/50 (2%)	0/50 (0%)	4/50 (8%)	2/50 (4%)
POLY 3 RATE	2/46.06	1/43.79	0/43.89	4/43.86	2/43.17
POLY 3 PERCENT	4.34%	2.28%	0%	9.12%	4.63%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	3/32 (9%)	2/29 (7%)
FIRST INCIDENCE	538	593	---	595	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.373	P=0.869	P=0.983	P=0.315	P=0.671
POLY 1.5	P=0.380	P=0.873	P=0.983	P=0.323	P=0.680
POLY 6	P=0.361	P=0.863	P=0.982	P=0.308	P=0.658
COCH-ARM / FISHERS	P=0.390	P=0.879	P=1.000	P=0.339	P=0.691

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SKIN					
ULCER					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	0/43.4	1/43.33
POLY 3 PERCENT	0%	0%	0%	0%	2.31%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	---	688
STATISTICAL TESTS					
POLY 3	P=0.162				P=0.492
POLY 1.5	P=0.162				P=0.495
POLY 6	P=0.160				P=0.489
COCH-ARM / FISHERS	P=0.163				P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SPLEEN					
EXTRAMEDULLARY HEMATOPOIESIS: INCREASED					
LESION RATES					
OVERALL	1/49 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	1/44.78	0/43.33	1/43.89	0/43.4	2/43.41
POLY 3 PERCENT	2.23%	0%	2.28%	0%	4.61%
TERMINAL	0/34 (0%)	0/28 (0%)	1/35 (3%)	0/32 (0%)	1/29 (3%)
FIRST INCIDENCE	632	---	730 (T)	---	666
STATISTICAL TESTS					
POLY 3	P=0.206	P=0.976	P=0.756	P=0.976	P=0.489
POLY 1.5	P=0.207	P=0.977	P=0.759	P=0.977	P=0.497
POLY 6	P=0.205	P=0.975	P=0.755	P=0.976	P=0.480
COCH-ARM / FISHERS	P=0.208	P=1.000	P=0.758	P=1.000	P=0.508

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, FORESTOMACH HYPERPLASIA					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY 3 RATE	0/45.01	0/43.33	0/43.89	2/43.42	0/43.17
POLY 3 PERCENT	0%	0%	0%	4.61%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	0/35 (0%)	1/32 (3%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	726	---
STATISTICAL TESTS					
POLY 3	P=0.723			P=0.229	
POLY 1.5	P=0.726			P=0.232	
POLY 6	P=0.716			P=0.227	
COCH-ARM / FISHERS	P=0.731			P=0.247	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, FORESTOMACH: SQUAMOUS EPITHELIUM					
HYPERPLASIA					
LESION RATES					
OVERALL	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	0/45.01	1/43.33	2/43.89	0/43.4	0/43.17
POLY 3 PERCENT	0%	2.31%	4.56%	0%	0%
TERMINAL	0/34 (0%)	1/28 (4%)	2/35 (6%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.933	P=0.492	P=0.231		
POLY 1.5	P=0.935	P=0.496	P=0.233		
POLY 6	P=0.932	P=0.487	P=0.232		
COCH-ARM / FISHERS	P=0.937	P=0.500	P=0.247		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, GLANDULAR INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	0/45.01	0/43.33	1/43.89	0/43.4	0/43.17
POLY 3 PERCENT	0%	0%	2.28%	0%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	1/35 (3%)	0/32 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	730 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.923		P=0.495		
POLY 1.5	P=0.923		P=0.496		
POLY 6	P=0.922		P=0.496		
COCH-ARM / FISHERS	P=0.926		P=0.500		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, GLANDULAR MINERAL					
LESION RATES					
OVERALL	4/50 (8%)	8/50 (16%)	8/50 (16%)	6/50 (12%)	6/50 (12%)
POLY 3 RATE	4/45.01	8/44.45	8/43.89	6/43.88	6/43.29
POLY 3 PERCENT	8.89%	18%	18.23%	13.67%	13.86%
TERMINAL	4/34 (12%)	5/28 (18%)	8/35 (23%)	5/32 (16%)	5/29 (17%)
FIRST INCIDENCE	730 (T)	577	730 (T)	586	700
STATISTICAL TESTS					
POLY 3	P=0.604	P=0.169	P=0.163	P=0.353	P=0.345
POLY 1.5	P=0.616	P=0.173	P=0.168	P=0.358	P=0.355
POLY 6	P=0.589	P=0.164	P=0.163	P=0.352	P=0.332
COCH-ARM / FISHERS	P=0.632	P=0.178	P=0.178	P=0.370	P=0.370

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
TESTIS					
DEGENERATION OR ATROPHY					
LESION RATES					
OVERALL	2/50 (4%)	2/50 (4%)	3/50 (6%)	4/50 (8%)	7/50 (14%)
POLY 3 RATE	2/45.27	2/43.67	3/43.89	4/43.76	7/44.31
POLY 3 PERCENT	4.42%	4.58%	6.84%	9.14%	15.8%
TERMINAL	1/34 (3%)	0/28 (0%)	3/35 (9%)	2/32 (6%)	3/29 (10%)
FIRST INCIDENCE	660	640	730 (T)	645	567
STATISTICAL TESTS					
POLY 3	P=0.021*	P=0.681	P=0.486	P=0.321	P=0.073
POLY 1.5	P=0.021*	P=0.687	P=0.490	P=0.327	P=0.076
POLY 6	P=0.021*	P=0.672	P=0.485	P=0.319	P=0.070
COCH-ARM / FISHERS	P=0.022*	P=0.691	P=0.500	P=0.339	P=0.080

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
TESTIS: GERMINAL EPITHELIUM ATROPHY					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	6/50 (12%)
POLY 3 RATE	1/45.27	1/43.35	2/43.89	2/43.45	6/44.31
POLY 3 PERCENT	2.21%	2.31%	4.56%	4.6%	13.54%
TERMINAL	0/34 (0%)	0/28 (0%)	2/35 (6%)	1/32 (3%)	2/29 (7%)
FIRST INCIDENCE	660	726	730 (T)	718	567
STATISTICAL TESTS					
POLY 3	P=0.007**	P=0.751	P=0.489	P=0.486	P=0.052
POLY 1.5	P=0.007**	P=0.755	P=0.493	P=0.491	P=0.054
POLY 6	P=0.007**	P=0.744	P=0.488	P=0.482	P=0.050*
COCH-ARM / FISHERS	P=0.008**	P=0.753	P=0.500	P=0.500	P=0.056

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
TESTIS: GERMINAL EPITHELIUM DEGENERATION					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY 3 RATE	1/45.01	1/43.66	1/43.89	2/43.71	1/43.17
POLY 3 PERCENT	2.22%	2.29%	2.28%	4.58%	2.32%
TERMINAL	1/34 (3%)	0/28 (0%)	1/35 (3%)	1/32 (3%)	1/29 (3%)
FIRST INCIDENCE	730 (T)	640	730 (T)	645	730 (T)
STATISTICAL TESTS					
POLY 3	P=0.633	P=0.754	P=0.755	P=0.490	P=0.751
POLY 1.5	P=0.638	P=0.757	P=0.756	P=0.493	P=0.755
POLY 6	P=0.626	P=0.750	P=0.756	P=0.489	P=0.747
COCH-ARM / FISHERS	P=0.646	P=0.753	P=0.753	P=0.500	P=0.753

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
THYMUS ATROPHY					
LESION RATES					
OVERALL	2/46 (4%)	0/46 (0%)	0/48 (0%)	1/45 (2%)	1/47 (2%)
POLY 3 RATE	2/41.82	0/39.66	0/42.42	1/39.41	1/41.15
POLY 3 PERCENT	4.78%	0%	0%	2.54%	2.43%
TERMINAL	0/31 (0%)	0/26 (0%)	0/34 (0%)	0/30 (0%)	0/28 (0%)
FIRST INCIDENCE	596	---	---	709	582
STATISTICAL TESTS					
POLY 3	P=0.610	P=0.983	P=0.985	P=0.868	P=0.875
POLY 1.5	P=0.608	P=0.983	P=0.985	P=0.870	P=0.878
POLY 6	P=0.611	P=0.981	P=0.985	P=0.866	P=0.872
COCH-ARM / FISHERS	P=0.606	P=1.000	P=1.000	P=0.875	P=0.883

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
THYMUS					
CYST					
LESION RATES					
OVERALL	0/46 (0%)	2/46 (4%)	0/48 (0%)	1/45 (2%)	0/47 (0%)
POLY 3 RATE	0/41.1	2/39.66	0/42.42	1/39.33	0/40.66
POLY 3 PERCENT	0%	5.04%	0%	2.54%	0%
TERMINAL	0/31 (0%)	2/26 (8%)	0/34 (0%)	1/30 (3%)	0/28 (0%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.903	P=0.229		P=0.491	
POLY 1.5	P=0.905	P=0.233		P=0.492	
POLY 6	P=0.899	P=0.223		P=0.492	
COCH-ARM / FISHERS	P=0.907	P=0.247		P=0.495	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 730 - 733

Males: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
THYROID GLAND: FOLLICLES, EPITHELIUM HYPERPLASIA					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/49 (4%)	0/50 (0%)
POLY 3 RATE	0/45.01	0/43.33	0/42.89	2/42.71	0/43.17
POLY 3 PERCENT	0%	0%	0%	4.68%	0%
TERMINAL	0/34 (0%)	0/28 (0%)	0/34 (0%)	1/31 (3%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	645	---
STATISTICAL TESTS					
POLY 3	P=0.723			P=0.225	
POLY 1.5	P=0.727			P=0.228	
POLY 6	P=0.717			P=0.225	
COCH-ARM / FISHERS	P=0.731			P=0.242	

Study Number: C11054B-02

Test Type: TOX

Route: Dosing in Water

Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022

Time Report Requested: 06:17:39

Lab: Battelle with CRL

	Females: Core Animals				
	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
Disposition Summary					
Animals Initially In Study	50	50	50	50	50
Censored					
Early Deaths					
Found Dead	13	9	11	8	11
Sacrificed, Moribund	2	2	5	8	2
Survivors					
Scheduled Sacrifice, Terminal	35	39	34	34	37
Number Animals Examined Microscopically	50	50	50	50	50

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
ADRENAL GLAND, CORTEX					
HYPERPLASIA: FOCAL					
LESION RATES					
OVERALL	0/48 (0%)	0/50 (0%)	1/50 (2%)	0/48 (0%)	0/49 (0%)
POLY 3 RATE	0/44.21	0/46.26	1/44.97	0/43.35	0/44.71
POLY 3 PERCENT	0%	0%	2.22%	0%	0%
TERMINAL	0/34 (0%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.923		P=0.503		
POLY 1.5	P=0.923		P=0.505		
POLY 6	P=0.923		P=0.502		
COCH-ARM / FISHERS	P=0.925		P=0.510		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
EYE					
PHTHISIS BULBI					
LESION RATES					
OVERALL	0/48 (0%)	1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY 3 RATE	0/43.69	1/46.26	0/44.97	1/43.33	0/44.77
POLY 3 PERCENT	0%	2.16%	0%	2.31%	0%
TERMINAL	0/33 (0%)	1/39 (3%)	0/34 (0%)	1/34 (3%)	0/37 (0%)
FIRST INCIDENCE	---	728 (T)	---	728 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.869	P=0.511		P=0.498	
POLY 1.5	P=0.868	P=0.509		P=0.500	
POLY 6	P=0.872	P=0.515		P=0.499	
COCH-ARM / FISHERS	P=0.872	P=0.510		P=0.505	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HARDERIAN GLAND HYPERPLASIA					
LESION RATES					
OVERALL	1/50 (2%)	5/50 (10%)	4/49 (8%)	4/50 (8%)	3/49 (6%)
POLY 3 RATE	1/45.69	5/46.48	4/44.31	4/44.88	3/44.39
POLY 3 PERCENT	2.19%	10.76%	9.03%	8.91%	6.76%
TERMINAL	1/35 (3%)	4/39 (10%)	3/34 (9%)	3/34 (9%)	1/37 (3%)
FIRST INCIDENCE	728 (T)	669	712	533	592
STATISTICAL TESTS					
POLY 3	P=0.606	P=0.105	P=0.169	P=0.173	P=0.295
POLY 1.5	P=0.603	P=0.103	P=0.170	P=0.174	P=0.293
POLY 6	P=0.619	P=0.110	P=0.169	P=0.174	P=0.303
COCH-ARM / FISHERS	P=0.614	P=0.102	P=0.175	P=0.181	P=0.301

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART BACTERIA					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	1/45.71	0/46.26	0/44.97	1/44.65	0/44.77
POLY 3 PERCENT	2.19%	0%	0%	2.24%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	722	---	---	624	---
STATISTICAL TESTS					
POLY 3	P=0.878	P=0.978	P=0.977	P=0.755	P=0.977
POLY 1.5	P=0.878	P=0.977	P=0.977	P=0.756	P=0.977
POLY 6	P=0.879	P=0.978	P=0.977	P=0.756	P=0.977
COCH-ARM / FISHERS	P=0.882	P=1.000	P=1.000	P=0.753	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART					
CARDIOMYOPATHY					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	0/45.69	0/46.26	1/45.51	1/44.32	0/44.77
POLY 3 PERCENT	0%	0%	2.2%	2.26%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	560	717	---
STATISTICAL TESTS					
POLY 3	P=0.833		P=0.499	P=0.494	
POLY 1.5	P=0.834		P=0.499	P=0.495	
POLY 6	P=0.835		P=0.500	P=0.494	
COCH-ARM / FISHERS	P=0.840		P=0.500	P=0.500	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART					
MINERAL					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	1/44.65	0/44.77
POLY 3 PERCENT	0%	0%	0%	2.24%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	624	---
STATISTICAL TESTS					
POLY 3	P=0.811			P=0.495	
POLY 1.5	P=0.812			P=0.496	
POLY 6	P=0.814			P=0.496	
COCH-ARM / FISHERS	P=0.817			P=0.500	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART THROMBUS					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	0/45.69	0/46.26	2/46.17	0/44.28	0/44.77
POLY 3 PERCENT	0%	0%	4.33%	0%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	512	---	---
STATISTICAL TESTS					
POLY 3	P=0.914		P=0.240		
POLY 1.5	P=0.915		P=0.238		
POLY 6	P=0.915		P=0.241		
COCH-ARM / FISHERS	P=0.916		P=0.247		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
HEART: MYOCARDIUM					
INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	2/44.7	0/44.77
POLY 3 PERCENT	0%	0%	0%	4.47%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	624	---
STATISTICAL TESTS					
POLY 3	P=0.723			P=0.232	
POLY 1.5	P=0.724			P=0.233	
POLY 6	P=0.727			P=0.233	
COCH-ARM / FISHERS	P=0.731			P=0.247	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
BACTERIA					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	1/44.65	0/44.77
POLY 3 PERCENT	0%	0%	0%	2.24%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	624	---
STATISTICAL TESTS					
POLY 3	P=0.811			P=0.495	
POLY 1.5	P=0.812			P=0.496	
POLY 6	P=0.814			P=0.496	
COCH-ARM / FISHERS	P=0.817			P=0.500	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
CHRONIC PROGRESSIVE NEPHROPATHY					
LESION RATES					
OVERALL	23/50 (46%)	19/50 (38%)	22/50 (44%)	30/50 (60%)	31/50 (62%)
POLY 3 RATE	23/46.03	19/47.11	22/46.11	30/45.84	31/46.86
POLY 3 PERCENT	49.97%	40.33%	47.72%	65.44%	66.15%
TERMINAL	19/35 (54%)	16/39 (41%)	18/34 (53%)	25/34 (74%)	23/37 (62%)
FIRST INCIDENCE	694	562	560	529	464
STATISTICAL TESTS					
POLY 3	P=0.009**	P=0.875	P=0.666	P=0.092	P=0.080
POLY 1.5	P=0.008**	P=0.860	P=0.657	P=0.095	P=0.071
POLY 6	P=0.012*	P=0.897	P=0.680	P=0.096	P=0.108
COCH-ARM / FISHERS	P=0.012*	P=0.844	P=0.656	P=0.115	P=0.080

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
INFARCT					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.69	0/46.26	1/44.97	0/44.28	1/44.77
POLY 3 PERCENT	0%	0%	2.22%	0%	2.23%
TERMINAL	0/35 (0%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	1/37 (3%)
FIRST INCIDENCE	---	---	728 (T)	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.360		P=0.497		P=0.496
POLY 1.5	P=0.361		P=0.498		P=0.496
POLY 6	P=0.361		P=0.496		P=0.499
COCH-ARM / FISHERS	P=0.367		P=0.500		P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY					
INFLAMMATION, CHRONIC OR CHRONIC-ACTIVE					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	0/44.28	2/44.77
POLY 3 PERCENT	0%	0%	0%	0%	4.47%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	2/37 (5%)
FIRST INCIDENCE	---	---	---	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.019*				P=0.233
POLY 1.5	P=0.019*				P=0.233
POLY 6	P=0.019*				P=0.235
COCH-ARM / FISHERS	P=0.020*				P=0.247

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: PELVIS					
DILATION					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.69	0/46.26	1/45.25	0/44.28	1/44.86
POLY 3 PERCENT	0%	0%	2.21%	0%	2.23%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	653	---	706
STATISTICAL TESTS					
POLY 3	P=0.361		P=0.498		P=0.496
POLY 1.5	P=0.362		P=0.498		P=0.496
POLY 6	P=0.362		P=0.498		P=0.499
COCH-ARM / FISHERS	P=0.367		P=0.500		P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
KIDNEY: RENAL TUBULE					
HYALINE DROPLET ACCUMULATION					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	1/45.82	0/46.26	0/44.97	0/44.28	1/44.86
POLY 3 PERCENT	2.18%	0%	0%	0%	2.23%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	694	---	---	---	705
STATISTICAL TESTS					
POLY 3	P=0.437	P=0.978	P=0.977	P=0.976	P=0.756
POLY 1.5	P=0.438	P=0.977	P=0.977	P=0.977	P=0.756
POLY 6	P=0.438	P=0.978	P=0.977	P=0.976	P=0.759
COCH-ARM / FISHERS	P=0.441	P=1.000	P=1.000	P=1.000	P=0.753

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
ANGIECTASIS					
LESION RATES					
OVERALL	2/50 (4%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY 3 RATE	2/45.69	1/46.26	0/44.97	2/44.65	0/44.77
POLY 3 PERCENT	4.38%	2.16%	0%	4.48%	0%
TERMINAL	2/35 (6%)	1/39 (3%)	0/34 (0%)	1/34 (3%)	0/37 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---	624	---
STATISTICAL TESTS					
POLY 3	P=0.916	P=0.880	P=0.984	P=0.686	P=0.983
POLY 1.5	P=0.916	P=0.879	P=0.984	P=0.687	P=0.983
POLY 6	P=0.917	P=0.883	P=0.984	P=0.687	P=0.984
COCH-ARM / FISHERS	P=0.919	P=0.879	P=1.000	P=0.691	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
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Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
BASOPHILIC FOCUS					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	2/45.69	0/46.26	1/44.97	0/44.28	0/44.77
POLY 3 PERCENT	4.38%	0%	2.22%	0%	0%
TERMINAL	2/35 (6%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	728 (T)	---	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.957	P=0.984	P=0.875	P=0.983	P=0.983
POLY 1.5	P=0.957	P=0.984	P=0.876	P=0.983	P=0.983
POLY 6	P=0.957	P=0.985	P=0.875	P=0.983	P=0.984
COCH-ARM / FISHERS	P=0.958	P=1.000	P=0.879	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
CLEAR CELL FOCUS					
LESION RATES					
OVERALL	4/50 (8%)	4/50 (8%)	6/50 (12%)	4/50 (8%)	10/50 (20%)
POLY 3 RATE	4/45.69	4/46.26	6/44.97	4/44.29	10/44.83
POLY 3 PERCENT	8.76%	8.65%	13.34%	9.03%	22.31%
TERMINAL	4/35 (11%)	4/39 (10%)	6/34 (18%)	3/34 (9%)	9/37 (24%)
FIRST INCIDENCE	728 (T)	728 (T)	728 (T)	724	713
STATISTICAL TESTS					
POLY 3	P=0.023*	P=0.650	P=0.359	P=0.626	P=0.066
POLY 1.5	P=0.024*	P=0.645	P=0.362	P=0.630	P=0.066
POLY 6	P=0.024*	P=0.659	P=0.357	P=0.626	P=0.069
COCH-ARM / FISHERS	P=0.027*	P=0.643	P=0.370	P=0.643	P=0.074

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
EOSINOPHILIC FOCUS					
LESION RATES					
OVERALL	19/50 (38%)	14/50 (28%)	16/50 (32%)	12/50 (24%)	9/50 (18%)
POLY 3 RATE	19/46.12	14/47.21	16/45.76	12/44.69	9/44.77
POLY 3 PERCENT	41.2%	29.66%	34.96%	26.85%	20.1%
TERMINAL	15/35 (43%)	11/39 (28%)	11/34 (32%)	9/34 (26%)	9/37 (24%)
FIRST INCIDENCE	674	494	652	664	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.982	P=0.918	P=0.798	P=0.954	P=0.993
POLY 1.5	P=0.983	P=0.909	P=0.795	P=0.954	P=0.993
POLY 6	P=0.982	P=0.929	P=0.804	P=0.955	P=0.994
COCH-ARM / FISHERS	P=0.985	P=0.899	P=0.799	P=0.959	P=0.993

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
EXTRAMEDULLARY HEMATOPOIESIS: INCREASED					
LESION RATES					
OVERALL	0/50 (0%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	0/45.69	2/46.8	2/45.19	1/44.31	0/44.77
POLY 3 PERCENT	0%	4.27%	4.43%	2.26%	0%
TERMINAL	0/35 (0%)	1/39 (3%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	562	694	720	---
STATISTICAL TESTS					
POLY 3	P=0.927	P=0.243	P=0.235	P=0.494	
POLY 1.5	P=0.927	P=0.240	P=0.235	P=0.495	
POLY 6	P=0.929	P=0.248	P=0.235	P=0.494	
COCH-ARM / FISHERS	P=0.931	P=0.247	P=0.247	P=0.500	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
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Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
FATTY CHANGE: DIFFUSE					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	1/45.82	1/47.12	3/45.62	1/44.89	0/44.77
POLY 3 PERCENT	2.18%	2.12%	6.58%	2.23%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	695	380	623	529	---
STATISTICAL TESTS					
POLY 3	P=0.940	P=0.767	P=0.304	P=0.756	P=0.977
POLY 1.5	P=0.941	P=0.764	P=0.303	P=0.757	P=0.977
POLY 6	P=0.940	P=0.770	P=0.305	P=0.757	P=0.977
COCH-ARM / FISHERS	P=0.945	P=0.753	P=0.309	P=0.753	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
FATTY CHANGE: FOCAL					
LESION RATES					
OVERALL	1/50 (2%)	5/50 (10%)	8/50 (16%)	11/50 (22%)	2/50 (4%)
POLY 3 RATE	1/45.69	5/46.29	8/46.3	11/45.89	2/45.51
POLY 3 PERCENT	2.19%	10.8%	17.28%	23.97%	4.39%
TERMINAL	1/35 (3%)	4/39 (10%)	5/34 (15%)	7/34 (21%)	1/37 (3%)
FIRST INCIDENCE	728 (T)	719	512	422	464
STATISTICAL TESTS					
POLY 3	P=0.841	P=0.104	P=0.016*	P=0.002**	P=0.499
POLY 1.5	P=0.838	P=0.103	P=0.016*	P=0.002**	P=0.496
POLY 6	P=0.850	P=0.108	P=0.017*	P=0.002**	P=0.505
COCH-ARM / FISHERS	P=0.841	P=0.102	P=0.015*	P=0.002**	P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
MIXED CELL FOCUS					
LESION RATES					
OVERALL	6/50 (12%)	13/50 (26%)	12/50 (24%)	6/50 (12%)	5/50 (10%)
POLY 3 RATE	6/45.82	13/46.39	12/44.97	6/44.56	5/44.83
POLY 3 PERCENT	13.1%	28.02%	26.68%	13.46%	11.15%
TERMINAL	5/35 (14%)	11/39 (28%)	12/34 (35%)	5/34 (15%)	4/37 (11%)
FIRST INCIDENCE	695	706	728 (T)	651	713
STATISTICAL TESTS					
POLY 3	P=0.963	P=0.063	P=0.085	P=0.601	P=0.726
POLY 1.5	P=0.963	P=0.061	P=0.088	P=0.605	P=0.726
POLY 6	P=0.966	P=0.067	P=0.081	P=0.602	P=0.734
COCH-ARM / FISHERS	P=0.965	P=0.062	P=0.096	P=0.620	P=0.738

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
NECROSIS					
LESION RATES					
OVERALL	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	1/45.76	1/46.26	2/45.42	0/44.28	1/44.96
POLY 3 PERCENT	2.19%	2.16%	4.4%	0%	2.22%
TERMINAL	0/35 (0%)	1/39 (3%)	1/34 (3%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	710	728 (T)	598	---	680
STATISTICAL TESTS					
POLY 3	P=0.741	P=0.763	P=0.497	P=0.976	P=0.757
POLY 1.5	P=0.741	P=0.761	P=0.497	P=0.977	P=0.756
POLY 6	P=0.743	P=0.766	P=0.498	P=0.976	P=0.760
COCH-ARM / FISHERS	P=0.748	P=0.753	P=0.500	P=1.000	P=0.753

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER					
TENSION LIPIDOSIS					
LESION RATES					
OVERALL	4/50 (8%)	3/50 (6%)	5/50 (10%)	0/50 (0%)	4/50 (8%)
POLY 3 RATE	4/45.69	3/46.8	5/45.8	0/44.28	4/44.77
POLY 3 PERCENT	8.76%	6.41%	10.92%	0%	8.93%
TERMINAL	4/35 (11%)	2/39 (5%)	3/34 (9%)	0/34 (0%)	4/37 (11%)
FIRST INCIDENCE	728 (T)	562	560	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.576	P=0.792	P=0.502	P=0.995	P=0.632
POLY 1.5	P=0.579	P=0.786	P=0.499	P=0.995	P=0.632
POLY 6	P=0.576	P=0.801	P=0.506	P=0.995	P=0.640
COCH-ARM / FISHERS	P=0.592	P=0.782	P=0.500	P=1.000	P=0.643

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LIVER: BILE DUCT CYST					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	0/44.28	1/44.96
POLY 3 PERCENT	0%	0%	0%	0%	2.22%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---	680
STATISTICAL TESTS					
POLY 3	P=0.162				P=0.497
POLY 1.5	P=0.162				P=0.496
POLY 6	P=0.163				P=0.500
COCH-ARM / FISHERS	P=0.163				P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LUNG					
HEMORRHAGE					
LESION RATES					
OVERALL	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.69	1/46.26	0/44.97	0/44.28	1/44.77
POLY 3 PERCENT	0%	2.16%	0%	0%	2.23%
TERMINAL	0/35 (0%)	1/39 (3%)	0/34 (0%)	0/34 (0%)	1/37 (3%)
FIRST INCIDENCE	---	728 (T)	---	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.416	P=0.502			P=0.496
POLY 1.5	P=0.415	P=0.501			P=0.496
POLY 6	P=0.420	P=0.506			P=0.499
COCH-ARM / FISHERS	P=0.418	P=0.500			P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LUNG: EPITHELIUM, ALVEOLAR/BRONCHIOLAR HYPERPLASIA					
LESION RATES					
OVERALL	3/50 (6%)	4/50 (8%)	5/50 (10%)	0/50 (0%)	3/50 (6%)
POLY 3 RATE	3/45.69	4/46.26	5/45.54	0/44.28	3/44.77
POLY 3 PERCENT	6.57%	8.65%	10.98%	0%	6.7%
TERMINAL	3/35 (9%)	4/39 (10%)	4/34 (12%)	0/34 (0%)	3/37 (8%)
FIRST INCIDENCE	728 (T)	728 (T)	549	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.758	P=0.507	P=0.355	P=0.990	P=0.653
POLY 1.5	P=0.759	P=0.502	P=0.354	P=0.990	P=0.653
POLY 6	P=0.761	P=0.516	P=0.356	P=0.990	P=0.660
COCH-ARM / FISHERS	P=0.767	P=0.500	P=0.357	P=1.000	P=0.661

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MANDIBULAR INFILTRATION, CELLULAR: HISTIOCYTE					
LESION RATES					
OVERALL	0/48 (0%)	1/48 (2%)	0/48 (0%)	0/46 (0%)	2/45 (4%)
POLY 3 RATE	0/43.69	1/44.48	0/43.8	0/41.57	2/40.89
POLY 3 PERCENT	0%	2.25%	0%	0%	4.89%
TERMINAL	0/33 (0%)	1/38 (3%)	0/34 (0%)	0/32 (0%)	2/35 (6%)
FIRST INCIDENCE	---	728 (T)	---	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.089	P=0.504			P=0.222
POLY 1.5	P=0.088	P=0.501			P=0.221
POLY 6	P=0.090	P=0.508			P=0.226
COCH-ARM / FISHERS	P=0.089	P=0.500			P=0.231

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MANDIBULAR: LYMPHOCYTE HYPERPLASIA					
LESION RATES					
OVERALL	0/48 (0%)	0/48 (0%)	2/48 (4%)	0/46 (0%)	0/45 (0%)
POLY 3 RATE	0/43.69	0/44.48	2/43.8	0/41.57	0/40.89
POLY 3 PERCENT	0%	0%	4.57%	0%	0%
TERMINAL	0/33 (0%)	0/38 (0%)	2/34 (6%)	0/32 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.913		P=0.238		
POLY 1.5	P=0.913		P=0.237		
POLY 6	P=0.914		P=0.239		
COCH-ARM / FISHERS	P=0.913		P=0.247		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MESENTERIC HYPERPLASIA: PLASMA CELL					
LESION RATES					
OVERALL	2/48 (4%)	0/50 (0%)	1/48 (2%)	1/49 (2%)	0/48 (0%)
POLY 3 RATE	2/44.42	0/46.26	1/43.65	1/44.57	0/42.86
POLY 3 PERCENT	4.5%	0%	2.29%	2.24%	0%
TERMINAL	1/35 (3%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	0/36 (0%)
FIRST INCIDENCE	722	---	728 (T)	624	---
STATISTICAL TESTS					
POLY 3	P=0.926	P=0.985	P=0.875	P=0.879	P=0.983
POLY 1.5	P=0.927	P=0.985	P=0.876	P=0.879	P=0.983
POLY 6	P=0.926	P=0.986	P=0.874	P=0.878	P=0.983
COCH-ARM / FISHERS	P=0.930	P=1.000	P=0.879	P=0.883	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MESENTERIC INFILTRATION, CELLULAR: HISTIOCYTE					
LESION RATES					
OVERALL	4/48 (8%)	1/50 (2%)	1/48 (2%)	0/49 (0%)	0/48 (0%)
POLY 3 RATE	4/44.4	1/46.26	1/43.65	0/44.2	0/42.86
POLY 3 PERCENT	9.01%	2.16%	2.29%	0%	0%
TERMINAL	4/35 (11%)	1/39 (3%)	1/34 (3%)	0/34 (0%)	0/36 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.984	P=0.971	P=0.966	P=0.995	P=0.995
POLY 1.5	P=0.984	P=0.970	P=0.966	P=0.995	P=0.995
POLY 6	P=0.984	P=0.971	P=0.966	P=0.995	P=0.995
COCH-ARM / FISHERS	P=0.984	P=0.975	P=0.972	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
LYMPH NODE, MESENTERIC: LYMPHOCYTE HYPERPLASIA					
LESION RATES					
OVERALL	0/48 (0%)	0/50 (0%)	2/48 (4%)	0/49 (0%)	0/48 (0%)
POLY 3 RATE	0/44.4	0/46.26	2/43.65	0/44.2	0/42.86
POLY 3 PERCENT	0%	0%	4.58%	0%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	2/34 (6%)	0/34 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.912		P=0.233		
POLY 1.5	P=0.913		P=0.234		
POLY 6	P=0.912		P=0.232		
COCH-ARM / FISHERS	P=0.916		P=0.247		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
MAMMARY GLAND: DUCT DILATION					
LESION RATES					
OVERALL	1/48 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY 3 RATE	1/44.03	2/46.54	0/44.05	0/44.28	0/43.86
POLY 3 PERCENT	2.27%	4.3%	0%	0%	0%
TERMINAL	0/34 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	694	669	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.964	P=0.519	P=0.977	P=0.978	P=0.977
POLY 1.5	P=0.964	P=0.516	P=0.977	P=0.978	P=0.977
POLY 6	P=0.965	P=0.525	P=0.977	P=0.977	P=0.978
COCH-ARM / FISHERS	P=0.964	P=0.515	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
NOSE: RESPIRATORY EPITHELIUM					
INFLAMMATION: SUPPURATIVE					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	0/45.69	0/46.26	0/44.97	0/44.28	1/44.83
POLY 3 PERCENT	0%	0%	0%	0%	2.23%
TERMINAL	0/35 (0%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---	713
STATISTICAL TESTS					
POLY 3	P=0.161				P=0.496
POLY 1.5	P=0.162				P=0.496
POLY 6	P=0.163				P=0.499
COCH-ARM / FISHERS	P=0.163				P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
OVARY					
HEMATOCYST					
LESION RATES					
OVERALL	0/48 (0%)	0/46 (0%)	2/47 (4%)	0/48 (0%)	0/49 (0%)
POLY 3 RATE	0/43.9	0/42.52	2/42.84	0/42.31	0/43.77
POLY 3 PERCENT	0%	0%	4.67%	0%	0%
TERMINAL	0/35 (0%)	0/36 (0%)	1/33 (3%)	0/33 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	652	---	---
STATISTICAL TESTS					
POLY 3	P=0.915		P=0.232		
POLY 1.5	P=0.916		P=0.231		
POLY 6	P=0.915		P=0.232		
COCH-ARM / FISHERS	P=0.917		P=0.242		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
OVARY: FOLLICLES					
CYST					
LESION RATES					
OVERALL	2/48 (4%)	9/46 (20%)	3/47 (6%)	11/48 (23%)	9/49 (18%)
POLY 3 RATE	2/44.03	9/42.6	3/42.56	11/43.17	9/44.57
POLY 3 PERCENT	4.54%	21.13%	7.05%	25.48%	20.19%
TERMINAL	1/35 (3%)	8/36 (22%)	3/33 (9%)	9/33 (27%)	7/36 (19%)
FIRST INCIDENCE	695	706	728 (T)	422	464
STATISTICAL TESTS					
POLY 3	P=0.092	P=0.021*	P=0.485	P=0.006**	P=0.026*
POLY 1.5	P=0.091	P=0.020*	P=0.486	P=0.006**	P=0.026*
POLY 6	P=0.097	P=0.022*	P=0.482	P=0.005**	P=0.027*
COCH-ARM / FISHERS	P=0.100	P=0.021*	P=0.490	P=0.007**	P=0.028*

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PANCREAS: DUCT DILATION					
LESION RATES					
OVERALL	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY 3 RATE	2/45.69	0/46.26	0/44.89	0/44.28	0/44.77
POLY 3 PERCENT	4.38%	0%	0%	0%	0%
TERMINAL	2/35 (6%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	728 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.960	P=0.984	P=0.984	P=0.983	P=0.983
POLY 1.5	P=0.961	P=0.984	P=0.984	P=0.983	P=0.983
POLY 6	P=0.960	P=0.985	P=0.984	P=0.983	P=0.984
COCH-ARM / FISHERS	P=0.961	P=1.000	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PITUITARY GLAND: PARS DISTALIS					
ANGIECTASIS					
LESION RATES					
OVERALL	0/46 (0%)	1/47 (2%)	1/47 (2%)	3/44 (7%)	0/42 (0%)
POLY 3 RATE	0/42.34	1/43.26	1/43.23	3/40.36	0/38.22
POLY 3 PERCENT	0%	2.31%	2.31%	7.43%	0%
TERMINAL	0/32 (0%)	1/36 (3%)	1/34 (3%)	2/32 (6%)	0/31 (0%)
FIRST INCIDENCE	---	728 (T)	728 (T)	724	---
STATISTICAL TESTS					
POLY 3	P=0.796	P=0.504	P=0.504	P=0.110	
POLY 1.5	P=0.796	P=0.504	P=0.504	P=0.109	
POLY 6	P=0.801	P=0.507	P=0.504	P=0.112	
COCH-ARM / FISHERS	P=0.800	P=0.505	P=0.505	P=0.113	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PITUITARY GLAND: PARS DISTALIS					
CYST					
LESION RATES					
OVERALL	0/46 (0%)	0/47 (0%)	0/47 (0%)	0/44 (0%)	1/42 (2%)
POLY 3 RATE	0/42.34	0/43.26	0/43.23	0/40.35	1/38.22
POLY 3 PERCENT	0%	0%	0%	0%	2.62%
TERMINAL	0/32 (0%)	0/36 (0%)	0/34 (0%)	0/32 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	---	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.147				P=0.480
POLY 1.5	P=0.147				P=0.479
POLY 6	P=0.148				P=0.482
COCH-ARM / FISHERS	P=0.148				P=0.477

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
PITUITARY GLAND: PARS DISTALIS					
HYPERPLASIA					
LESION RATES					
OVERALL	3/46 (7%)	5/47 (11%)	9/47 (19%)	7/44 (16%)	2/42 (5%)
POLY 3 RATE	3/42.34	5/43.26	9/43.23	7/40.35	2/38.22
POLY 3 PERCENT	7.09%	11.56%	20.82%	17.35%	5.23%
TERMINAL	3/32 (9%)	5/36 (14%)	9/34 (26%)	7/32 (22%)	2/31 (6%)
FIRST INCIDENCE	728 (T)	728 (T)	728 (T)	728 (T)	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.900	P=0.368	P=0.062	P=0.136	P=0.788
POLY 1.5	P=0.899	P=0.366	P=0.063	P=0.136	P=0.787
POLY 6	P=0.905	P=0.375	P=0.061	P=0.140	P=0.793
COCH-ARM / FISHERS	P=0.902	P=0.369	P=0.065	P=0.140	P=0.790

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SKIN					
ULCER					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/49 (0%)
POLY 3 RATE	1/45.82	0/46.26	1/44.97	2/44.93	0/43.86
POLY 3 PERCENT	2.18%	0%	2.22%	4.45%	0%
TERMINAL	0/35 (0%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	695	---	728 (T)	574	---
STATISTICAL TESTS					
POLY 3	P=0.849	P=0.978	P=0.756	P=0.493	P=0.976
POLY 1.5	P=0.850	P=0.977	P=0.758	P=0.494	P=0.976
POLY 6	P=0.851	P=0.978	P=0.755	P=0.495	P=0.976
COCH-ARM / FISHERS	P=0.857	P=1.000	P=0.753	P=0.500	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
SPLEEN					
EXTRAMEDULLARY HEMATOPOIESIS: INCREASED					
LESION RATES					
OVERALL	4/50 (8%)	2/50 (4%)	5/49 (10%)	3/50 (6%)	1/50 (2%)
POLY 3 RATE	4/46.11	2/47.17	5/45.97	3/44.28	1/44.86
POLY 3 PERCENT	8.67%	4.24%	10.88%	6.78%	2.23%
TERMINAL	2/35 (6%)	0/39 (0%)	1/34 (3%)	3/34 (9%)	0/37 (0%)
FIRST INCIDENCE	630	494	598	728 (T)	706
STATISTICAL TESTS					
POLY 3	P=0.933	P=0.901	P=0.498	P=0.766	P=0.965
POLY 1.5	P=0.935	P=0.898	P=0.494	P=0.771	P=0.965
POLY 6	P=0.932	P=0.906	P=0.503	P=0.763	P=0.966
COCH-ARM / FISHERS	P=0.941	P=0.898	P=0.487	P=0.782	P=0.972

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, FORESTOMACH: SQUAMOUS EPITHELIUM HYPERPLASIA					
LESION RATES					
OVERALL	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY 3 RATE	1/45.69	0/46.26	0/44.97	1/44.33	0/44.77
POLY 3 PERCENT	2.19%	0%	0%	2.26%	0%
TERMINAL	1/35 (3%)	0/39 (0%)	0/34 (0%)	0/34 (0%)	0/37 (0%)
FIRST INCIDENCE	728 (T)	---	---	715	---
STATISTICAL TESTS					
POLY 3	P=0.878	P=0.978	P=0.977	P=0.754	P=0.977
POLY 1.5	P=0.878	P=0.977	P=0.977	P=0.755	P=0.977
POLY 6	P=0.879	P=0.978	P=0.977	P=0.754	P=0.977
COCH-ARM / FISHERS	P=0.882	P=1.000	P=1.000	P=0.753	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, GLANDULAR INFLAMMATION: CHRONIC					
LESION RATES					
OVERALL	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY 3 RATE	0/45.69	0/46.26	1/44.97	0/44.28	2/45.23
POLY 3 PERCENT	0%	0%	2.22%	0%	4.42%
TERMINAL	0/35 (0%)	0/39 (0%)	1/34 (3%)	0/34 (0%)	1/37 (3%)
FIRST INCIDENCE	---	---	728 (T)	---	592
STATISTICAL TESTS					
POLY 3	P=0.080		P=0.497		P=0.235
POLY 1.5	P=0.080		P=0.498		P=0.234
POLY 6	P=0.081		P=0.496		P=0.239
COCH-ARM / FISHERS	P=0.082		P=0.500		P=0.247

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
STOMACH, GLANDULAR MINERAL					
LESION RATES					
OVERALL	4/50 (8%)	10/50 (20%)	9/50 (18%)	5/50 (10%)	7/50 (14%)
POLY 3 RATE	4/45.69	10/46.26	9/45.69	5/44.28	7/44.77
POLY 3 PERCENT	8.76%	21.62%	19.7%	11.29%	15.63%
TERMINAL	4/35 (11%)	10/39 (26%)	6/34 (18%)	5/34 (15%)	7/37 (19%)
FIRST INCIDENCE	728 (T)	728 (T)	560	728 (T)	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.606	P=0.075	P=0.114	P=0.480	P=0.249
POLY 1.5	P=0.608	P=0.073	P=0.114	P=0.485	P=0.249
POLY 6	P=0.614	P=0.079	P=0.116	P=0.479	P=0.256
COCH-ARM / FISHERS	P=0.627	P=0.074	P=0.117	P=0.500	P=0.262

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
THYROID GLAND					
CYST: CONGENITAL					
LESION RATES					
OVERALL	3/49 (6%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY 3 RATE	3/44.89	0/44.26	0/44.97	0/44.28	0/43.77
POLY 3 PERCENT	6.68%	0%	0%	0%	0%
TERMINAL	2/34 (6%)	0/37 (0%)	0/34 (0%)	0/34 (0%)	0/36 (0%)
FIRST INCIDENCE	675	---	---	---	---
STATISTICAL TESTS					
POLY 3	P=0.972	P=0.991	P=0.991	P=0.991	P=0.990
POLY 1.5	P=0.972	P=0.990	P=0.991	P=0.991	P=0.990
POLY 6	P=0.972	P=0.991	P=0.991	P=0.991	P=0.991
COCH-ARM / FISHERS	P=0.971	P=1.000	P=1.000	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
THYROID GLAND: FOLLICLES, EPITHELIUM HYPERPLASIA					
LESION RATES					
OVERALL	1/49 (2%)	0/48 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY 3 RATE	1/44.69	0/44.26	2/44.97	0/44.28	0/43.77
POLY 3 PERCENT	2.24%	0%	4.45%	0%	0%
TERMINAL	1/34 (3%)	0/37 (0%)	2/34 (6%)	0/34 (0%)	0/36 (0%)
FIRST INCIDENCE	728 (T)	---	728 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.940	P=0.977	P=0.502	P=0.977	P=0.977
POLY 1.5	P=0.941	P=0.977	P=0.503	P=0.977	P=0.977
POLY 6	P=0.940	P=0.978	P=0.501	P=0.977	P=0.977
COCH-ARM / FISHERS	P=0.943	P=1.000	P=0.508	P=1.000	P=1.000

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
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Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
UTERUS					
ANGIECTASIS					
LESION RATES					
OVERALL	1/50 (2%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY 3 RATE	1/45.71	2/46.26	2/44.97	1/44.28	2/44.77
POLY 3 PERCENT	2.19%	4.32%	4.45%	2.26%	4.47%
TERMINAL	0/35 (0%)	2/39 (5%)	2/34 (6%)	1/34 (3%)	2/37 (5%)
FIRST INCIDENCE	722	728 (T)	728 (T)	728 (T)	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.520	P=0.504	P=0.494	P=0.754	P=0.493
POLY 1.5	P=0.521	P=0.501	P=0.496	P=0.755	P=0.493
POLY 6	P=0.524	P=0.510	P=0.493	P=0.753	P=0.497
COCH-ARM / FISHERS	P=0.530	P=0.500	P=0.500	P=0.753	P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
Time Report Requested: 06:17:39
Lab: Battelle with CRL

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
UTERUS					
DILATION					
LESION RATES					
OVERALL	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY 3 RATE	2/46.19	1/46.26	3/45.05	1/44.28	1/44.78
POLY 3 PERCENT	4.33%	2.16%	6.66%	2.26%	2.23%
TERMINAL	1/35 (3%)	1/39 (3%)	2/34 (6%)	1/34 (3%)	0/37 (0%)
FIRST INCIDENCE	576	728 (T)	707	728 (T)	725
STATISTICAL TESTS					
POLY 3	P=0.825	P=0.878	P=0.489	P=0.870	P=0.872
POLY 1.5	P=0.827	P=0.877	P=0.492	P=0.872	P=0.873
POLY 6	P=0.826	P=0.880	P=0.485	P=0.869	P=0.874
COCH-ARM / FISHERS	P=0.835	P=0.879	P=0.500	P=0.879	P=0.879

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Actions To Be Taken

Date Report Requested: 12/09/2022
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
UTERUS					
INFLAMMATION					
LESION RATES					
OVERALL	2/50 (4%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	3/50 (6%)
POLY 3 RATE	2/46.19	2/46.94	3/44.97	0/44.28	3/44.83
POLY 3 PERCENT	4.33%	4.26%	6.67%	0%	6.69%
TERMINAL	1/35 (3%)	1/39 (3%)	3/34 (9%)	0/34 (0%)	2/37 (5%)
FIRST INCIDENCE	576	494	728 (T)	---	713
STATISTICAL TESTS					
POLY 3	P=0.434	P=0.699	P=0.488	P=0.983	P=0.486
POLY 1.5	P=0.437	P=0.696	P=0.492	P=0.983	P=0.488
POLY 6	P=0.435	P=0.705	P=0.483	P=0.983	P=0.490
COCH-ARM / FISHERS	P=0.448	P=0.691	P=0.500	P=1.000	P=0.500

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
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TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
UTERUS: ENDOMETRIUM					
HYPERPLASIA: CYSTIC					
LESION RATES					
OVERALL	34/50 (68%)	40/50 (80%)	38/50 (76%)	37/50 (74%)	41/50 (82%)
POLY 3 RATE	34/48.08	40/48.21	38/47.83	37/48.37	41/47.97
POLY 3 PERCENT	70.72%	82.97%	79.44%	76.5%	85.47%
TERMINAL	26/35 (74%)	33/39 (85%)	28/34 (82%)	28/34 (82%)	33/37 (89%)
FIRST INCIDENCE	495	494	308	304	364
STATISTICAL TESTS					
POLY 3	P=0.140	P=0.111	P=0.220	P=0.336	P=0.060
POLY 1.5	P=0.138	P=0.111	P=0.231	P=0.334	P=0.060
POLY 6	P=0.159	P=0.121	P=0.214	P=0.340	P=0.070
COCH-ARM / FISHERS	P=0.169	P=0.127	P=0.252	P=0.330	P=0.083

Study Number: C11054B-02
Test Type: TOX
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
TERMINAL REMOVAL DAYS: SD 728 - 731

Females: Core Animals					
DOSE	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
UTERUS: ENDOMETRIUM					
METAPLASIA: SQUAMOUS					
LESION RATES					
OVERALL	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY 3 RATE	2/45.69	1/46.26	0/44.97	0/44.28	1/44.77
POLY 3 PERCENT	4.38%	2.16%	0%	0%	2.23%
TERMINAL	2/35 (6%)	1/39 (3%)	0/34 (0%)	0/34 (0%)	1/37 (3%)
FIRST INCIDENCE	728 (T)	728 (T)	---	---	728 (T)
STATISTICAL TESTS					
POLY 3	P=0.732	P=0.880	P=0.984	P=0.983	P=0.874
POLY 1.5	P=0.732	P=0.879	P=0.984	P=0.983	P=0.874
POLY 6	P=0.733	P=0.883	P=0.984	P=0.983	P=0.877
COCH-ARM / FISHERS	P=0.735	P=0.879	P=1.000	P=1.000	P=0.879

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA10: Statistical Analysis of Non-Neoplastic Lesions
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LEGEND

LESION RATES

Overall lesion rate: number of lesion-bearing animals/number of animals examined at site (percent lesion rate)

Poly 3 rate: number of lesion-bearing animals/poly-3 adjusted number of animals

Poly 3 percent: adjusted lifetime lesion incidence

Terminal lesion rate: number of lesion-bearing animals at terminal sacrifice/number of animals examined at site (percent lesion rate)

(T) - terminal sacrifice

STATISTICAL TESTS

Trend test p-values shown for the control group; pairwise test p-values shown for the dose groups

The Poly-3, Poly-1.5, and Poly-6 statistics apply intercurrent mortality adjustments to the Cochran-Armitage test.

The Cochran-Armitage and Fisher Exact tests directly compare the overall incidence rates.

All trend and pairwise p-values are reported as one-sided.

No statistical analysis is reported unless there are at least two lesions in one or more of the dose groups

Some organs did not receive a histopathologic evaluation unless a gross lesion was found. These organs are not included on this report.

**** END OF REPORT ****