

Study Number: C11054B-01
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 04/14/2022
Time Report Requested: 10:13:07
Lab: Battelle

Study Number: C11054B-01
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.4.1

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Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
0	SD189	1027	04/18/16	07:14	189	27	560.1		Found Dead	Scab Fore Limb Right
	SD301	1034	08/08/16	11:39	301	43	584.9		Found Dead	Discharge Nose/Snout Red
	SD322	1004	08/29/16	07:56	322	46	443.2		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Thin; Tremors, Moderate
	SD338	1024	09/14/16	08:02	338	49	599.5		Found Dead	Normal
	SD378	1022	10/24/16	03:14	378	54	685.4		Euthanized Moribund	Discharge Eye Red; Discharge Nose/Snout Red; Hunched; Lethargic
	SD437	1003	12/22/16	07:53	437	63	383.3		Found Dead	Coat Ruffled; Hunched; Thin
	SD442	1031	12/27/16	02:21	442	64	397.6		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Pale; Thin
	SD468	1006	01/22/17	09:10	468	67	399.7		Euthanized Moribund	Coat Ruffled; Lethargic; Pale; Tremors, Moderate
	SD469	1041	01/23/17	07:58	469	67	319.9		Euthanized Moribund	Breathing, labored; Cold To Touch; Lethargic; Mass Head 1, Large (>15mm), Left; Pale
	SD502	1048	02/25/17	08:35	502	72	467.9		Found Dead	Discolored Abdomen Bilateral, Green; Thin
	SD506	1046	03/01/17	03:02	506	73	474.3		Found Dead	Discharge Eye Bilateral, Red
	SD507	1011	03/02/17	03:40	507	73	390.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Eye Abnormality Bilateral; Hunched; Pale; Thin
	SD507	1043	03/02/17	03:42	507	73	541.0		Euthanized Moribund	Limping, Severe; Swelling Hind Limb Bilateral
	SD514	1030	03/09/17	08:15	514	74	420.3		Found Dead	Partially Cannibalized
	SD546	1018	04/10/17	04:00	546	78	604.2		Euthanized Moribund	Discharge Eye Red, Right; Discharge Nose/Snout Red; Gait Abnormal; Weakness Hind Limb Bilateral
	SD549	1012	04/13/17	12:00	549	79	464.4		Euthanized Moribund	Bulging Eye Right; Discharge Eye Red, Right

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Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD556	1032	04/20/17	03:17	556	80	421.3		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Mass Abdomen 1, Left, Medium (6-15mm); Mass Dorsum 1, Medium (6-15mm), Right; Pale; Thin; Tremors, Moderate
	SD560	1023	04/24/17	10:14	560	80	542.7		Found Dead	Normal; Seizure
	SD561	1002	04/25/17	02:19	561	81	454.7		Euthanized Moribund	Coat Ruffled; Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Lethargic; Opacity Eye Bilateral; Pale; Thin
	SD561	1009	04/25/17	02:23	561	81	434.4		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Mass Dorsum 1, Left, Medium (6-15mm); Pale; Thin
	SD565	1001	04/29/17	07:42	565	81	551.2		Found Dead	Normal
	SD572	1044	05/06/17	10:07	572	82	360.7		Euthanized Moribund	Breathing, slow; Cold To Touch; Discharge Nose/Snout Red; Lethargic; Thin
	SD578	1050	05/12/17	03:58	578	83	339.7		Euthanized Moribund	Discharge Anus Brown; Discharge Nose/Snout Red; Pale; Thin; Weakness Hind Limb Bilateral
	SD581	1028	05/15/17	09:14	581	83	351.4		Euthanized Moribund	Breathing, labored; Lethargic; Pale; Thin
	SD585	1049	05/19/17	02:17	585	84	751.2		Euthanized Moribund	Mass Dorsum 1, Large (>15mm), Right; Mass Head 1, Large (>15mm), Left, Ulcerated; Pale; Thin
	SD588	1039	05/22/17	02:41	588	84	365.4		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Pale; Thin; Weakness Hind Limb Bilateral
	SD606	1021	06/09/17	02:15	606	87	600.6		Euthanized Moribund	Ataxia, Severe; Breathing, labored; Coat Ruffled; Mass Abdomen 1, Medium (6-15mm), Right

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Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD606	1040	06/09/17	01:49	606	87	479.2		Euthanized Moribund	Breathing, labored; Discharge Eye Bilateral, Red; Head Tilt; Pale; Paralysis Hind Limb Bilateral
	SD612	1042	06/15/17	01:13	612	88	367.6		Euthanized Moribund	Coat Ruffled; Discharge Eye Left, Red; Feces Soft; Hunched; Mass Dorsum 1, Bilateral, Medium (6-15mm), Scabbed; Mass Head 1, Large (>15mm), Left; Mass Testis 1, Medium (6-15mm), Right; Thin
	SD619	1007	06/22/17	09:29	619	89	359.4		Euthanized Moribund	Coat Ruffled; Cold To Touch; Lethargic; Pale; Thin
	SD619	1010	06/22/17	09:30	619	89	326.2		Euthanized Moribund	Coat Ruffled; Feces Liquid; Hunched; Lethargic; Pale; Thin
	SD626	1019	06/29/17	02:39	626	90	507.3		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Eye Red; Discharge Nose/Snout Red; Head Tilt; Mass Hind Paw 1, Medium (6-15mm), Right; Weakness Hind Limb Bilateral
	SD626	1025	06/29/17	02:38	626	90	364.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Pale; Thin
	SD634	1036	07/07/17	07:08	634	91	690.4		Found Dead	Mass Abdomen 1, Large (>15mm), Left
	SD635	1035	07/08/17	02:39	635	91	515.8		Found Dead	Normal
	SD637	1005	07/10/17	11:06	637	91	550.1		Scheduled Removal (Terminal)	Scab Tail Bilateral; Thin; Weakness Hind Limb Bilateral
	SD637	1017	07/10/17	10:47	637	91	759.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right
	SD637	1037	07/10/17	11:08	637	91	584.2		Scheduled Removal (Terminal)	Mass Hind Paw 1, Left, Medium (6-15mm), Ulcerated
	SD637	1047	07/10/17	07:31	637	91	401.6		Euthanized Moribund	Coat Ruffled; Damaged Tail; Pale; Thin; Weakness Hind Limb Bilateral
	SD638	1008	07/11/17	06:33	638	92	605.1		Scheduled Removal (Terminal)	Mass Abdomen 1, Medium (6-15mm), Right

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30	SD638	1013	07/11/17	07:18	638	92	634.4		Scheduled Removal (Terminal)	Normal
	SD638	1014	07/11/17	07:20	638	92	706.2		Scheduled Removal (Terminal)	Discharge Eye Bilateral, Red
	SD638	1015	07/11/17	07:22	638	92	806.1		Scheduled Removal (Terminal)	Discharge Eye Bilateral, Red; Mass Thorax 1, Large (>15mm), Right
	SD638	1016	07/11/17	07:22	638	92	769.6		Scheduled Removal (Terminal)	Normal
	SD638	1020	07/11/17	07:24	638	92	634.7		Scheduled Removal (Terminal)	Breathing, rapid; Weakness Hind Limb Bilateral
	SD638	1026	07/11/17	06:34	638	92	625.6		Scheduled Removal (Terminal)	Normal
	SD638	1029	07/11/17	06:35	638	92	618.3		Scheduled Removal (Terminal)	Mass Dorsum 1, Left, Medium (6-15mm)
	SD638	1033	07/11/17	06:37	638	92	639.9		Scheduled Removal (Terminal)	Mass Hind Paw 1, Left, Medium (6-15mm)
	SD638	1038	07/11/17	06:38	638	92	686.9		Scheduled Removal (Terminal)	Scab Tail Bilateral
	SD639	1045	07/12/17	07:39	639	92	518.8		Scheduled Removal (Terminal)	Normal
	SD101	1094	01/21/16	08:06	101	15	492.6		Found Dead	Normal
	SD242	1075	06/10/16	02:15	242	35	521.6		Found Dead	Normal
	SD346	1054	09/22/16	09:45	346	50	418.8		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Pale; Thin
	SD364	1067	10/10/16	01:35	364	52	347.9		Euthanized Moribund	Breathing, wheezing; Coat Ruffled; Head Tilt; Hunched; Lethargic; Mass Thorax 1, Bilateral, Large (>15mm); Pale; Thin
	SD367	1066	10/13/16	01:02	367	53	586.5		Euthanized Moribund	Eye Abnormality Bilateral; Lethargic
	SD381	1071	10/27/16	08:13	381	55	512.4		Found Dead	Normal

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	SD389	1096	11/04/16	08:15	389	56	646.7		Euthanized Moribund	Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Hunched; Lethargic
	SD402	1093	11/17/16	08:55	402	58	363.8		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Discharge Eye Red; Discharge Nose/Snout Red; Feces Few; Hunched; Lethargic; Pale; Thin
	SD408	1083	11/23/16	09:06	408	59	514.3		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Lethargic; Thin
	SD435	1077	12/20/16	02:31	435	63	555.7		Found Dead	Normal
	SD437	1100	12/22/16	02:51	437	63	557.2		Euthanized Moribund	Mass Dorsum 1, Large (>15mm), Left, Ulcerated; Pale
	SD445	1076	12/30/16	02:55	445	64	461.5		Euthanized Moribund	Ataxia, Mild; Coat Ruffled; Lethargic; Pale; Thin
	SD448	1099	01/02/17	03:23	448	64	374.7		Euthanized Moribund	Breathing, labored; Coat Soiled Anus Bilateral; Discharge Eye Bilateral, Red; Hunched; Lethargic; Mass Fore Paw 1, Left, Medium (6-15mm); Pale; Thin; Tremors, Moderate
	SD455	1097	01/09/17	07:26	455	65	750.0		Found Dead	Mass Thorax 1, Large (>15mm), Left; Partially Cannibalized
	SD467	1081	01/21/17	07:42	467	67	514.2		Found Dead	Normal
	SD468	1061	01/22/17	08:10	468	67	566.8		Found Dead	Normal
	SD476	1065	01/30/17	02:54	476	68	621.7		Euthanized Moribund	Breathing, gasping; Coat Soiled Head Bilateral; Discharge Nose/Snout Bilateral, Red
	SD482	1082	02/05/17	07:42	482	69	481.8		Found Dead	Normal
	SD505	1089	02/28/17	07:53	505	73	446.7		Found Dead	Partially Cannibalized
	SD508	1086	03/03/17	03:34	508	73	375.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Hunched; Lethargic; Mass Thorax 1, Large (>15mm), Right; Thin
	SD518	1079	03/13/17	07:30	518	74	361.6		Found Dead	Normal

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	SD519	1090	03/14/17	10:30	519	75	340.5		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Hunched; Lethargic; Pale; Thin
	SD525	1060	03/20/17	10:10	525	75	470.7		Euthanized Moribund	Coat Ruffled; Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Lethargic; Thin; Weakness Hind Limb Bilateral
	SD533	1084	03/28/17	02:19	533	77	461.3		Euthanized Moribund	Coat Ruffled; Gait Abnormal; Hunched; Pale; Thin
	SD540	1098	04/04/17	02:00	540	78	466.6		Euthanized Moribund	Breathing, rapid; Discharge Nose/Snout Red; Lethargic; Thin; Weakness Hind Limb Bilateral
	SD544	1052	04/08/17	08:37	544	78	762.4		Found Dead	Normal
	SD548	1072	04/12/17	08:18	548	79	416.9		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Discharge Nose/Snout Red; Lethargic
	SD549	1069	04/13/17	09:06	549	79	350.1		Euthanized Moribund	Breathing, shallow; Discharge Nose/Snout Red; Lethargic; Pale; Thin
	SD568	1073	05/02/17	02:05	568	82	787.4		Euthanized Moribund	Coat Soiled Multiple Sites (>3) Bilateral; Discharge Eye Left, Red; Discharge Nose/Snout Red; Gait Abnormal; Head Tilt; Seizure
	SD582	1055	05/16/17	02:37	582	84	467.9		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Eye Abnormality Left; Hunched; Mass Thorax 1, Bilateral, Large (>15mm); Thin; Weakness Hind Limb Bilateral
	SD592	1070	05/26/17	02:26	592	85	362.2		Euthanized Moribund	Alopecia Dorsum Bilateral; Discharge Nose/Snout Red; Feces None; Pale; Thin
	SD595	1092	05/29/17	12:08	595	85	491.8		Euthanized Moribund	Breathing, gasping; Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Lethargic
	SD616	1095	06/19/17	03:12	616	88	468.6		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Discharge Eye Bilateral, Red; Feces Few; Lethargic; Sore Tail Bilateral; Thin

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	SD635	1078	07/08/17	02:41	635	91	504.5		Euthanized Moribund	Discharge Nose/Snout Red
	SD637	1059	07/10/17	11:10	637	91	582.2		Scheduled Removal (Terminal)	Mass Fore Limb 1, Large (>15mm), Right, Ulcerated; Pale
	SD637	1091	07/10/17	10:48	637	91	552.7		Scheduled Removal (Terminal)	Normal
	SD638	1051	07/11/17	06:39	638	92	704.5		Scheduled Removal (Terminal)	Mass Hind Paw 1, Medium (6-15mm), Right
	SD638	1053	07/11/17	06:40	638	92	574.0		Scheduled Removal (Terminal)	Coat Ruffled; Lethargic; Weakness Hind Limb Bilateral
	SD638	1057	07/11/17	06:41	638	92	555.2		Scheduled Removal (Terminal)	Normal
	SD638	1058	07/11/17	06:43	638	92	609.8		Scheduled Removal (Terminal)	Mass Head 1, Small (1-5mm); Weakness Hind Limb Bilateral
	SD638	1062	07/11/17	06:45	638	92	534.9		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm); Thin; Weakness Hind Limb Bilateral
	SD638	1063	07/11/17	07:25	638	92	671.3		Scheduled Removal (Terminal)	Mass Fore Limb 1, Large (>15mm), Left
	SD638	1064	07/11/17	07:26	638	92	544.0		Scheduled Removal (Terminal)	Mass Hind Limb 1, Medium (6-15mm), Right; Mass Thorax 1, Left, Medium (6-15mm), Scabbed
	SD638	1068	07/11/17	07:28	638	92	595.8		Scheduled Removal (Terminal)	Coat Ruffled; Mass Dorsum 1, Left, Medium (6-15mm); Weakness Hind Limb Bilateral
	SD638	1074	07/11/17	07:29	638	92	659.9		Scheduled Removal (Terminal)	Normal
	SD638	1080	07/11/17	06:46	638	92	643.5		Scheduled Removal (Terminal)	Normal
	SD638	1085	07/11/17	07:30	638	92	626.5		Scheduled Removal (Terminal)	Normal
	SD638	1087	07/11/17	07:31	638	92	521.5		Scheduled Removal (Terminal)	Mass Dorsum 1, Left, Medium (6-15mm); Pale
	SD638	1088	07/11/17	07:33	638	92	555.8		Scheduled Removal (Terminal)	Normal

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100	SD639	1056	07/12/17	07:41	639	92	592.0		Scheduled Removal (Terminal)	Coat Ruffled; Opacity Eye Left; Weakness Hind Limb Bilateral
	SD107	1144	01/27/16	07:25	107	16	472.9		Found Dead	Normal
	SD165	1127	03/25/16	02:32	165	24	446.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Scab Neck Right; Thin
	SD229	1115	05/28/16	08:05	229	33	555.9		Found Dead	Discharge Eye Left, Red; Discharge Nose/Snout Red
	SD229	1129	05/28/16	07:33	229	33	603.4		Found Dead	Discharge Nose/Snout Red; Sore Fore Limb Left
	SD276	1107	07/14/16	07:29	276	40	500.3		Found Dead	Normal
	SD392	1102	11/07/16	02:16	392	56	632.1		Found Dead	Normal; Seizure
	SD425	1128	12/10/16	07:53	425	61	640.5		Found Dead	Discharge Eye Left, Red; Eye Abnormality Left; Mass Head 1, Left, Small (1-5mm)
	SD427	1116	12/12/16	07:46	427	61	458.4		Euthanized Moribund	Breathing, labored; Lethargic; Thin
	SD430	1138	12/15/16	01:08	430	62	448.8		Euthanized Moribund	Discharge Eye Bilateral, Red; Head Tilt; Lethargic; Pale
	SD459	1142	01/13/17	11:02	459	66	416.1		Euthanized Moribund	Breathing, labored; Discharge Eye Bilateral, Red; Lethargic; Pale; Thin
	SD483	1132	02/06/17	02:27	483	69	372.4		Euthanized Moribund	Breathing, rapid; Cold To Touch; Discharge Eye Left, Red; Lethargic; Pale; Stained Anus Brown; Thin; Weakness Hind Limb Bilateral
	SD507	1106	03/02/17	03:06	507	73	386.1		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Thin
	SD516	1122	03/11/17	07:52	516	74	608.8		Found Dead	Normal
	SD517	1150	03/12/17	03:01	517	74	382.7		Euthanized Moribund	Breathing, shallow; Cold To Touch; Discharge Eye Red; Feces None; Lethargic; Thin

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	SD536	1103	03/31/17	02:53	536	77	650.6		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Mass Dorsum 2, Bilateral, Large (>15mm); Thin
	SD546	1111	04/10/17	11:37	546	78	366.3		Found Dead	Discharge Nose/Snout Red; Mass Dorsum 1, Bilateral, Scabbed, Small (1-5mm)
	SD549	1141	04/13/17	07:41	549	79	573.8		Found Dead	Normal
	SD556	1124	04/20/17	12:03	556	80	347.8		Euthanized Moribund	Cold To Touch; Discharge Nose/Snout Red; Lethargic; Pale; Thin; Tremors, Mild
	SD557	1114	04/21/17	08:04	557	80	354.6		Euthanized Moribund	Cold To Touch; Discharge Anus Red; Discharge Nose/Snout Red; Lethargic; Pale; Thin; Tremors, Mild
	SD557	1118	04/21/17	12:40	557	80	406.6		Euthanized Moribund	Coat Ruffled; Lethargic; Pale; Thin
	SD561	1112	04/25/17	02:56	561	81	429.0		Euthanized Moribund	Coat Ruffled; Discharge Eye Red; Discharge Nose/Snout Red; Hunched; Lethargic; Pale; Stained Anus Brown
	SD561	1120	04/25/17	02:25	561	81	569.1		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Gait Abnormal; Hunched; Lethargic; Weakness Hind Limb Bilateral
	SD561	1123	04/25/17	02:29	561	81	379.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Feces Soft; Hunched; Lethargic; Pale; Thin; Weakness Hind Limb Bilateral
	SD580	1110	05/14/17	07:30	580	83	549.7		Found Dead	Normal
	SD582	1105	05/16/17	02:45	582	84	376.1		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Mass Head 1, Large (>15mm), Right, Ulcerated; Pale; Thin
	SD583	1113	05/17/17	08:26	583	84	433.4		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Eye Red; Discharge Nose/Snout Red; Lethargic; Mass Abdomen 1, Large (>15mm), Right

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD588	1145	05/22/17	02:16	588	84	337.7		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Feces Few; Hunched; Lethargic; Thin; Weakness Hind Limb Bilateral
	SD598	1139	06/01/17	10:20	598	86	716.0		Found Dead	Discharge Eye Bilateral, Red
	SD599	1149	06/02/17	12:46	599	86	363.6		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Eye Abnormality Left; Lethargic; Thin
	SD606	1130	06/09/17	01:54	606	87	435.6		Euthanized Moribund	Breathing, labored; Coat Ruffled; Pale; Thin; Weakness Hind Limb Bilateral
	SD606	1131	06/09/17	01:52	606	87	522.5		Euthanized Moribund	Ataxia, Moderate; Breathing, labored; Discharge Nose/Snout Red; Mass Dorsum 1, Large (>15mm), Right; Pale
	SD607	1140	06/10/17	09:58	607	87	393.9		Euthanized Moribund	Ataxia, Moderate; Coat Ruffled; Cold To Touch; Hunched; Lethargic; Pale; Partially Cannibalized; Swelling Fore Paw Left
	SD612	1125	06/15/17	01:17	612	88	467.3		Euthanized Moribund	Feces Tarry; Lethargic; Pale; Thin; Weakness Hind Limb Bilateral
	SD632	1121	07/05/17	07:19	632	91	449.0		Found Dead	Normal
	SD634	1134	07/07/17	02:10	634	91	625.7		Found Dead	Distended Abdomen
	SD637	1119	07/10/17	11:12	637	91	467.8		Scheduled Removal (Terminal)	Coat Ruffled; Lethargic; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin; Weakness Hind Limb Bilateral
	SD637	1137	07/10/17	11:13	637	91	628.6		Scheduled Removal (Terminal)	Normal
	SD638	1104	07/11/17	07:33	638	92	671.9		Scheduled Removal (Terminal)	Normal
	SD638	1108	07/11/17	07:35	638	92	554.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Medium (6-15mm), Right; Mass Dorsum 1, Left, Medium (6-15mm), Scabbed; Sore Hind Limb Bilateral

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
300	SD638	1109	07/11/17	07:36	638	92	690.1		Scheduled Removal (Terminal)	Mass Fore Limb 1, Left, Medium (6-15mm)
	SD638	1117	07/11/17	06:46	638	92	528.3		Scheduled Removal (Terminal)	Normal
	SD638	1126	07/11/17	06:47	638	92	650.9		Scheduled Removal (Terminal)	Normal
	SD638	1133	07/11/17	06:48	638	92	587.3		Scheduled Removal (Terminal)	Mass Dorsum 1, Right, Small (1-5mm)
	SD638	1135	07/11/17	06:49	638	92	484.3		Scheduled Removal (Terminal)	Normal
	SD638	1136	07/11/17	06:50	638	92	578.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Ulcerated
	SD638	1143	07/11/17	06:52	638	92	405.6		Scheduled Removal (Terminal)	Coat Ruffled; Hunched; Mass Abdomen 1, Large (>15mm), Right; Mass Dorsum 1, Left, Medium (6-15mm); Thin
	SD638	1146	07/11/17	07:37	638	92	718.2		Scheduled Removal (Terminal)	Normal
	SD638	1147	07/11/17	07:38	638	92	546.7		Scheduled Removal (Terminal)	Kinked Tail; Weakness Hind Limb Bilateral
	SD639	1101	07/12/17	06:29	639	92	628.2		Scheduled Removal (Terminal)	Normal
	SD639	1148	07/12/17	06:30	639	92	513.2		Scheduled Removal (Terminal)	Normal
	SD231	1164	05/30/16	07:42	231	33	510.5		Found Dead	Discharge Nose/Snout Red; Partially Cannibalized
	SD316	1157	08/23/16	09:19	316	46	414.3		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Feces Soft; Hunched; Lethargic; Thin
	SD373	1177	10/19/16	03:38	373	54	763.1		Found Dead	Mass Thorax 1, Large (>15mm), Left
	SD378	1158	10/24/16	07:56	378	54	377.5		Found Dead	Discharge Eye Red; Discharge Nose/Snout Red
	SD378	1172	10/24/16	02:35	378	54	659.0		Euthanized Moribund	Eye Abnormality Right; Head Tilt; Mass Abdomen 1, Medium (6-15mm), Right; Seizure

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD393	1189	11/08/16	02:38	393	57	393.8		Euthanized Moribund	Discharge Nose/Snout Red; Thin; Weakness Hind Limb Bilateral
	SD411	1179	11/26/16	02:29	411	59	608.3		Found Dead	Normal
	SD412	1180	11/27/16	04:01	412	59	433.3		Euthanized Moribund	Bizarre Behavior, Writhing; Breathing, labored; Discharge Nose/Snout Brown; Opacity Eye Bilateral; Pale
	SD440	1184	12/25/16	07:17	440	63	657.6		Found Dead	Normal
	SD444	1182	12/29/16	02:59	444	64	541.6		Euthanized Moribund	Gait Abnormal; Salivation, Post Dosing; Seizure
	SD445	1170	12/30/16	03:00	445	64	369.1		Euthanized Moribund	Coat Ruffled; Discharge Urogenital Brown; Lethargic; Pale; Thin
	SD477	1181	01/31/17	08:10	477	69	498.7		Euthanized Moribund	Breathing, gasping; Breathing, labored; Coat Ruffled; Lethargic
	SD493	1191	02/16/17	03:43	493	71	453.5		Found Dead	Discharge Nose/Snout Bilateral, Red; Thin
	SD515	1192	03/10/17	03:02	515	74	423.6		Euthanized Moribund	Coat Ruffled; Discharge Eye Bilateral, Red; Lethargic; Pale; Thin
	SD520	1196	03/15/17	02:53	520	75	572.2		Euthanized Moribund	Breathing, labored; Cold To Touch; Distended Abdomen; Lethargic; Pale
	SD533	1183	03/28/17	06:57	533	77	366.0		Euthanized Moribund	Breathing, labored; Cold To Touch; Hunched; Lethargic; Pale; Thin
	SD536	1169	03/31/17	03:24	536	77	518.1		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Feces None; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin
	SD547	1199	04/11/17	02:05	547	79	432.0		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Thin
	SD547	1200	04/11/17	02:07	547	79	390.5		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Discharge Eye Red, Right; Hunched; Lethargic; Thin

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Males: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD574	1155	05/08/17	03:19	574	82	468.3		Found Dead	Mass Dorsum 1, Medium (6-15mm), Right; Mass Thorax 1, Large (>15mm), Right
	SD575	1190	05/09/17	08:35	575	83	435.1		Euthanized Moribund	Cold To Touch; Discharge Nose/Snout Red; Hunched; Lethargic; Pale; Thin
	SD578	1160	05/12/17	03:11	578	83	397.2		Euthanized Moribund	Distended Abdomen; Hunched; Lethargic; Pale; Thin
	SD582	1176	05/16/17	02:38	582	84	544.6		Found Dead	Normal
	SD583	1178	05/17/17	08:22	583	84	340.9		Found Dead	Mass Hind Limb 1, Left, Small (1-5mm)
	SD588	1153	05/22/17	02:21	588	84	380.3		Euthanized Moribund	Coat Ruffled; Discharge Eye Left, Red; Eye Abnormality Left; Hunched; Opacity Eye Left; Pale; Thin
	SD588	1195	05/22/17	02:38	588	84	390.4		Euthanized Moribund	Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Hunched; Pale; Thin
	SD589	1154	05/23/17	12:58	589	85	444.7		Euthanized Moribund	Breathing, labored; Discharge Nose/Snout Red; Lethargic; Mass Thorax 1, Medium (6-15mm), Right; Pale; Weakness Hind Limb Bilateral
	SD597	1168	05/31/17	07:56	597	86	505.9		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Mass Abdomen 1, Large (>15mm), Left; Thin; Weakness Hind Limb Bilateral
	SD597	1197	05/31/17	07:59	597	86	369.8		Euthanized Moribund	Breathing, labored; Coat Ruffled; Hunched; Lethargic; Pale; Thin; Tremors, Moderate
	SD599	1165	06/02/17	12:33	599	86	484.4		Euthanized Moribund	Breathing, labored; Pale; Scab Tail Bilateral; Thin; Weakness Hind Limb Bilateral
	SD618	1167	06/21/17	10:07	618	89	461.0		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Eye Shut Bilateral; Lethargic; Thin; Weakness Hind Limb Bilateral

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD624	1166	06/27/17	02:27	624	90	535.0		Found Dead	Normal
	SD633	1186	07/06/17	07:20	633	91	598.1		Found Dead	Normal
	SD637	1159	07/10/17	10:50	637	91	804.3		Scheduled Removal (Terminal)	Discharge Eye Red, Right; Mass Dorsum 1, Medium (6-15mm), Right
	SD637	1193	07/10/17	11:15	637	91	829.3		Scheduled Removal (Terminal)	Coat Ruffled; Mass Abdomen 1, Large (>15mm), Left; Mass Dorsum 1, Large (>15mm), Right; Thin
	SD637	1194	07/10/17	11:16	637	91	620.2		Scheduled Removal (Terminal)	Normal
	SD638	1151	07/11/17	07:40	638	92	700.2		Scheduled Removal (Terminal)	Mass Dorsum 1, Medium (6-15mm), Right
	SD638	1152	07/11/17	07:40	638	92	768.2		Scheduled Removal (Terminal)	Normal
	SD638	1156	07/11/17	07:43	638	92	535.2		Scheduled Removal (Terminal)	Coat Ruffled; Mass Dorsum 1, Left, Small (1-5mm); Thin; Weakness Hind Limb Bilateral
	SD638	1161	07/11/17	07:44	638	92	700.3		Scheduled Removal (Terminal)	Weakness Hind Limb Bilateral
	SD638	1162	07/11/17	07:44	638	92	719.1		Scheduled Removal (Terminal)	Normal
	SD638	1163	07/11/17	06:54	638	92	399.6		Scheduled Removal (Terminal)	Lethargic; Mass Abdomen 1, Medium (6-15mm), Right; Thin; Weakness Hind Limb Bilateral
	SD638	1171	07/11/17	06:55	638	92	501.0		Scheduled Removal (Terminal)	Coat Ruffled
	SD638	1173	07/11/17	06:56	638	92	398.8		Scheduled Removal (Terminal)	Discharge Nose/Snout Red; Pale; Thin
	SD638	1174	07/11/17	06:56	638	92	608.6		Scheduled Removal (Terminal)	Normal
	SD638	1175	07/11/17	06:57	638	92	604.1		Scheduled Removal (Terminal)	Normal
	SD638	1185	07/11/17	07:45	638	92	565.8		Scheduled Removal (Terminal)	Normal

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
1000	SD638	1187	07/11/17	07:46	638	92	691.6		Scheduled Removal (Terminal)	Normal
	SD638	1188	07/11/17	07:47	638	92	542.3		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right
	SD638	1198	07/11/17	06:58	638	92	663.4		Scheduled Removal (Terminal)	Discharge Eye Bilateral, Red; Scab Neck Bilateral
	SD224	1219	05/23/16	02:04	224	32	526.1		Found Dead	Coat Ruffled; Partially Cannibalized
	SD272	1215	07/10/16	08:56	272	39	667.2		Found Dead	Discharge Nose/Snout Red
	SD288	1229	07/26/16	03:11	288	42	431.5		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Pale; Thin
	SD326	1220	09/02/16	09:04	326	47	489.7		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Pale
	SD335	1226	09/11/16	07:40	335	48	311.6		Found Dead	Discharge Nose/Snout Red; Thin
	SD358	1221	10/04/16	08:15	358	52	626.9		Found Dead	Mass Abdomen 1, Right, Small (1-5mm)
	SD362	1203	10/08/16	07:54	362	52	510.5		Found Dead	Discharge Nose/Snout Red
	SD373	1241	10/19/16	12:51	373	54	540.6		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Swelling Hind Paw Left
	SD382	1206	10/28/16	01:38	382	55	493.2		Euthanized Moribund	Breathing, labored; Discharge Nose/Snout Red; Mass Head 1, Left, Medium (6-15mm); Thin
	SD385	1232	10/31/16	02:08	385	55	383.8		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Hunched; Lethargic; Pale; Thin
	SD386	1213	11/01/16	07:57	386	56	581.1		Found Dead	Normal
	SD396	1230	11/11/16	02:35	396	57	548.8		Found Dead	Normal
	SD407	1242	11/22/16	08:52	407	59	491.3		Found Dead	Normal
	SD420	1210	12/05/16	07:57	420	60	486.8		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Eye Bilateral, Red; Scab Dorsum Right; Thin; Weakness Hind Limb

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD423	1218	12/08/16	10:24	423	61	471.9		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Eye Bilateral, Red; Lethargic; Thin; Weakness Hind Limb Bilateral
	SD437	1216	12/22/16	08:02	437	63	673.5		Found Dead	Normal
	SD440	1212	12/25/16	03:26	440	63	435.8		Euthanized Moribund	Breathing, labored; Coat Soiled Dorsum Bilateral; Discharge Nose/Snout Red; Lethargic
	SD445	1237	12/30/16	02:27	445	64	411.9		Euthanized Moribund	Coat Ruffled; Lethargic; Pale; Thin; Weakness Hind Limb Bilateral
	SD448	1217	01/02/17	03:14	448	64	325.4		Euthanized Moribund	Discharge Eye Left, Red; Gait Abnormal; Hunched; Lethargic; Pale; Thin
	SD458	1238	01/12/17	03:16	458	66	326.4		Found Dead	Breathing, labored; Feces Liquid; Lethargic; Thin
	SD458	1240	01/12/17	03:19	458	66	336.0		Found Dead	Coat Ruffled; Discharge Nose/Snout Red; Feces Soft; Thin
	SD481	1243	02/04/17	07:28	481	69	402.2		Found Dead	Normal
	SD483	1222	02/06/17	12:17	483	69	328.1		Euthanized Moribund	Cold To Touch; Lethargic; Pale; Stained Anus Bilateral, Brown; Thin; Tremors, Mild; Weakness Hind Limb Bilateral
	SD485	1233	02/08/17	02:35	485	70	431.0		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Lethargic; Pale; Thin
	SD494	1236	02/17/17	08:11	494	71	383.8		Found Dead	Normal
	SD532	1227	03/27/17	06:34	532	76	541.3		Found Dead	Mass Hind Limb 1, Medium (6-15mm), Right
	SD550	1204	04/14/17	08:54	550	79	458.4		Found Dead	Normal
	SD552	1231	04/16/17	07:44	552	79	687.6		Found Dead	Normal
	SD554	1214	04/18/17	02:43	554	80	604.0		Found Dead	Normal

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Males: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD555	1205	04/19/17	02:05	555	80	428.3		Euthanized Moribund	Ataxia, Mild; Breathing, rapid; Coat Ruffled; Head Tilt; Hunched; Lethargic; Mass Dorsum 1, Medium (6-15mm), Right, Scabbed; Pale; Thin
	SD561	1246	04/25/17	02:59	561	81	478.7		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Thin; Weakness Hind Limb Bilateral
	SD574	1225	05/08/17	07:56	574	82	321.4		Found Dead	Normal
	SD588	1208	05/22/17	02:27	588	84	507.9		Euthanized Moribund	Weakness Hind Limb Bilateral
	SD589	1223	05/23/17	12:49	589	85	415.8		Euthanized Moribund	Discharge Nose/Snout Bilateral, Red; Hunched; Lethargic; Pale; Thin; Weakness Hind Limb Bilateral
	SD591	1235	05/25/17	10:00	591	85	349.9		Euthanized Moribund	Coat Ruffled; Coat Soiled Anus Bilateral; Pale; Thin; Weakness Hind Limb Bilateral
	SD599	1249	06/02/17	12:49	599	86	380.6		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Hunched; Lethargic; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin
	SD616	1201	06/19/17	07:24	616	88	452.0		Found Dead	Normal
	SD617	1248	06/20/17	02:29	617	89	381.9		Euthanized Moribund	Breathing, labored; Coat Ruffled; Discharge Eye Left, Red; Discharge Nose/Snout Red; Feces Few; Hunched; Lethargic; Pale; Prolapse Urogenital; Thin
	SD618	1239	06/21/17	09:17	618	89	454.2		Euthanized Moribund	Breathing, gasping; Discharge Nose/Snout Red; Pale
	SD626	1224	06/29/17	07:34	626	90	350.7		Found Dead	Thin
	SD633	1207	07/06/17	07:26	633	91	570.1		Found Dead	Discharge Eye Bilateral, Red; Mass Dorsum 1, Left, Small (1-5mm); Mass Hind Paw 1, Medium (6-15mm), Right

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD636	1245	07/09/17	02:07	636	91	599.6		Found Dead	Discharge Eye Red, Right; Mass Thorax 1, Medium (6-15mm), Right
	SD637	1209	07/10/17	10:51	637	91	570.9		Scheduled Removal (Terminal)	Mass Fore Limb 1, Medium (6-15mm), Right; Mass Hind Paw 1, Medium (6-15mm), Right
	SD638	1202	07/11/17	07:48	638	92	516.5		Scheduled Removal (Terminal)	Normal
	SD638	1228	07/11/17	07:54	638	92	652.6		Scheduled Removal (Terminal)	Head Tilt
	SD638	1234	07/11/17	07:54	638	92	535.2		Scheduled Removal (Terminal)	Discharge Eye Left, Red; Head Tilt
	SD639	1211	07/12/17	07:42	639	92	402.0		Scheduled Removal (Terminal)	Normal
	SD639	1244	07/12/17	06:31	639	92	530.1		Scheduled Removal (Terminal)	Normal
	SD639	1247	07/12/17	06:33	639	92	601.3		Scheduled Removal (Terminal)	Discharge Eye Bilateral, Red; Discharge Nose/Snout Red; Mass Dorsum 1, Left, Medium (6-15mm), Scabbed
	SD639	1250	07/12/17	06:35	639	92	511.2		Scheduled Removal (Terminal)	Head Tilt; Mass Hind Paw 1, Left, Medium (6-15mm); Sore Hind Limb Bilateral

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
0	SD150	1255	03/11/16	07:32	150	22	314.5		Found Dead	Normal
	SD280	1259	07/19/16	11:06	280	40	333.0		Euthanized Moribund	Seizure
	SD307	1251	08/15/16	07:29	307	44	296.9		Found Dead	Partially Cannibalized
	SD449	1261	01/04/17	12:46	449	65	782.0		Euthanized Moribund	Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left; Thin
	SD451	1292	01/06/17	12:59	451	65	604.1		Euthanized Moribund	Mass Fore Limb 1, Large (>15mm), Left, Scabbed; Pale; Thin
	SD458	1291	01/13/17	11:06	458	66	443.0		Euthanized Moribund	Breathing, labored; Lethargic; Paralysis Hind Limb Bilateral
	SD483	1269	02/07/17	02:29	483	69	627.4		Euthanized Moribund	Discharge Nose/Snout Bilateral, Red; Mass Abdomen 1, Large (>15mm), Ulcerated; Pale; Swelling Hind Limb Bilateral
	SD518	1276	03/14/17	07:39	518	74	487.3		Euthanized Moribund	Coat Ruffled; Lethargic; Mass Abdomen 1, Large (>15mm), Right, Ulcerated; Pale
	SD531	1256	03/27/17	02:22	531	76	505.0		Found Dead	Mass Abdomen 1, Bilateral, Large (>15mm), Ulcerated; Mass Thorax 2, Bilateral, Large (>15mm); Thin
	SD532	1254	03/28/17	02:21	532	76	705.9		Euthanized Moribund	Gait Abnormal; Mass Abdomen 1, Large (>15mm), Right; Pale
	SD532	1288	03/28/17	02:42	532	76	482.9		Euthanized Moribund	Mass Abdomen 1, Large (>15mm), Left; Pale; Thin
	SD536	1253	04/01/17	02:56	536	77	299.0		Euthanized Moribund	Coat Ruffled; Eye Shut Bilateral; Head Tilt; Lethargic; Thin; Weakness Fore Limb Bilateral
	SD542	1283	04/07/17	08:08	542	78	161.4		Found Dead	Partially Cannibalized
	SD553	1285	04/18/17	08:05	553	79	523.7		Found Dead	Mass Abdomen 1, Large (>15mm), Left; Partially Cannibalized
	SD554	1267	04/19/17	02:07	554	80	278.4		Euthanized Moribund	Discharge Vagina Red; Lethargic; Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 1, Left, Medium (6-15mm); Pale; Thin

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD560	1252	04/25/17	03:00	560	80	413.5		Euthanized Moribund	Distended Abdomen; Lethargic; Pale
	SD561	1268	04/26/17	08:33	561	81	351.3		Found Dead	Discharge Eye Red, Right; Discharge Nose/Snout Bilateral, Red; Mass Thorax 2, Large (>15mm), Right, Ulcerated
	SD562	1298	04/27/17	08:45	562	81	326.7		Found Dead	Discharge Vagina Red
	SD563	1264	04/28/17	02:15	563	81	419.8		Euthanized Moribund	Coat Ruffled; Eye Shut Bilateral; Lethargic
	SD575	1299	05/10/17	08:04	575	83	339.3		Euthanized Moribund	Mass Fore Limb 1, Large (>15mm), Right, Ulcerated; Pale
	SD584	1271	05/19/17	08:11	584	84	417.9		Found Dead	Discharge Vagina Red
	SD584	1279	05/19/17	08:14	584	84	326.8		Euthanized Moribund	Breathing, shallow
	SD588	1263	05/23/17	12:53	588	84	759.1		Euthanized Moribund	Mass Thorax 1, Large (>15mm), Left; Thin
	SD600	1260	06/04/17	08:29	600	86	338.7		Found Dead	Discharge Vagina Red; Mass Abdomen 1, Large (>15mm), Left; Thin
	SD603	1272	06/07/17	02:01	603	87	298.9		Euthanized Moribund	Breathing, labored; Distended Abdomen; Lethargic; Mass Thorax 1, Large (>15mm), Right; Pale; Thin
	SD617	1296	06/21/17	10:09	617	89	308.1		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Head Tilt; Kinked Tail; Lethargic; Mass Abdomen 1, Large (>15mm), Left
	SD619	1258	06/23/17	02:39	619	89	427.5		Euthanized Moribund	Ataxia, Moderate; Coat Ruffled; Discharge Eye Left, Red; Head Tilt; Lethargic
	SD624	1265	06/28/17	07:30	624	90	546.6		Found Dead	Mass Thorax 1, Large (>15mm), Right
	SD625	1278	06/29/17	02:42	625	90	661.0		Euthanized Moribund	Coat Ruffled; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin
	SD638	1270	07/12/17	07:43	638	92	517.2		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right; Mass Thorax 1, Large (>15mm), Left

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD638	1273	07/12/17	07:44	638	92	333.6		Scheduled Removal (Terminal)	Normal
	SD638	1280	07/12/17	07:44	638	92	294.7		Scheduled Removal (Terminal)	Normal
	SD638	1281	07/12/17	07:46	638	92	474.5		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right
	SD638	1282	07/12/17	07:47	638	92	503.7		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right; Mass Hind Limb 1, Large (>15mm), Right
	SD638	1284	07/12/17	07:48	638	92	455.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Mass Fore Limb 1, Large (>15mm), Right
	SD638	1286	07/12/17	07:50	638	92	441.5		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD638	1287	07/12/17	07:51	638	92	500.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right; Mass Fore Limb 2, Bilateral, Large (>15mm); Mass Hind Limb 1, Large (>15mm), Left
	SD639	1257	07/13/17	06:41	639	92	517.5		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right, Ulcerated
	SD639	1262	07/13/17	06:42	639	92	423.2		Scheduled Removal (Terminal)	Normal
	SD639	1266	07/13/17	06:44	639	92	530.1		Scheduled Removal (Terminal)	Discharge Eye Red, Right; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right; Thin
	SD639	1274	07/13/17	07:41	639	92	473.2		Scheduled Removal (Terminal)	Discharge Vagina Red; Eye Abnormality Left; Head Tilt; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left; Opacity Eye Left; Pale
	SD639	1275	07/13/17	07:43	639	92	381.8		Scheduled Removal (Terminal)	Discharge Vagina Red; Mass Thorax 1, Large (>15mm), Right; Pale
	SD639	1277	07/13/17	07:43	639	92	390.7		Scheduled Removal (Terminal)	Normal

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
30	SD639	1289	07/13/17	07:44	639	92	440.2		Scheduled Removal (Terminal)	Normal
	SD639	1290	07/13/17	07:46	639	92	275.1		Scheduled Removal (Terminal)	Coat Ruffled; Scab Hind Limb Left
	SD639	1297	07/13/17	07:46	639	92	465.5		Scheduled Removal (Terminal)	Normal
	SD639	1300	07/13/17	07:47	639	92	361.0		Scheduled Removal (Terminal)	Normal
	SD640	1293	07/14/17	07:11	640	92	371.2		Scheduled Removal (Terminal)	Kinked Tail; Mass Thorax 1, Large (>15mm), Right
	SD640	1294	07/14/17	07:12	640	92	477.3		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Right
	SD640	1295	07/14/17	07:14	640	92	484.2		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 2, Bilateral, Large (>15mm)
	SD245	1336	06/14/16	11:08	245	35	288.3		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Gait Abnormal; Hunched; Lethargic; Mass Hind Limb Left, Ulcerated; Pale
	SD262	1330	07/01/16	09:46	262	38	425.0		Euthanized Moribund	Discharge Nose/Snout Red; Mass Fore Limb Right; Pale; Scab Fore Limb Right
	SD384	1303	10/31/16	07:54	384	55	376.8		Euthanized Moribund	Lethargic; Mass Thorax 1, Large (>15mm), Right; Pale; Thin
	SD454	1340	01/09/17	11:45	454	65	355.3		Euthanized Moribund	Hyperactivity; Mass Thorax 1, Large (>15mm), Right, Scabbed; Scab Abdomen Bilateral; Scab Dorsum Bilateral; Scab Face Bilateral; Scab Head Bilateral; Scab Hind Limb Bilateral; Scab Neck Bilateral
	SD469	1343	01/24/17	02:19	469	67	373.5		Found Dead	Kinked Tail
	SD482	1320	02/06/17	08:34	482	69	365.3		Found Dead	Mass Dorsum 1, Large (>15mm), Right
	SD491	1335	02/15/17	08:40	491	71	609.3		Found Dead	Mass Abdomen 2, Bilateral, Large (>15mm); Mass Dorsum 1, Large (>15mm), Left; Partially Cannibalized

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD506	1305	03/02/17	03:09	506	73	243.8		Euthanized Moribund	Coat Ruffled; Discharge Eye Bilateral, Red; Discharge Nose/Snout Bilateral, Red; Hunched; Lethargic; Thin
	SD506	1339	03/02/17	03:11	506	73	451.2		Euthanized Moribund	Coat Ruffled; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left, Ulcerated; Pale; Thin
	SD518	1348	03/14/17	10:33	518	74	628.1		Euthanized Moribund	Coat Ruffled; Distended Abdomen; Mass Abdomen 1, Bilateral, Large (>15mm); Pale
	SD555	1342	04/20/17	07:45	555	80	319.1		Euthanized Moribund	Cold To Touch; Lethargic; Mass Abdomen 1, Large (>15mm), Right, Ulcerated; Mass Hind Limb 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right; Pale
	SD556	1316	04/21/17	12:06	556	80	296.0		Euthanized Moribund	Coat Ruffled; Discharge Eye Left; Hunched; Lethargic
	SD556	1319	04/21/17	12:09	556	80	273.8		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Lethargic; Mass Thorax 1, Large (>15mm), Left; Pale; Thin
	SD563	1306	04/28/17	02:17	563	81	620.5		Euthanized Moribund	Coat Ruffled; Mass Thorax 1, Large (>15mm), Right, Scabbed; Pale; Thin
	SD583	1328	05/18/17	07:43	583	84	385.0		Found Dead	Mass Thorax 2, Large (>15mm), Right; Partially Cannibalized
	SD588	1301	05/23/17	10:02	588	84	437.5		Euthanized Moribund	Discharge Eye Left, Red; Lethargic; Maloccluded/Broken Teeth; Mass Abdomen 1, Large (>15mm), Right, Ulcerated; Pale
	SD592	1327	05/27/17	03:20	592	85	410.8		Found Dead	Mass Abdomen 2, Bilateral, Large (>15mm); Partially Cannibalized
	SD594	1329	05/29/17	11:41	594	85	482.6		Euthanized Moribund	Breathing, labored; Coat Ruffled; Lethargic; Mass Abdomen 1, Large (>15mm), Right, Ulcerated; Pale; Thin

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD598	1315	06/02/17	12:52	598	86	612.0		Euthanized Moribund	Coat Ruffled; Mass Abdomen 2, Bilateral, Large (>15mm); Mass Thorax 2, Large (>15mm), Right; Pale; Thin
	SD604	1318	06/08/17	01:16	604	87	264.8		Euthanized Moribund	Breathing, labored; Coat Ruffled; Lethargic; Mass Abdomen 1, Medium (6-15mm), Right; Thin
	SD605	1321	06/09/17	02:17	605	87	644.3		Euthanized Moribund	Mass Abdomen 2, Bilateral, Large (>15mm), Ulcerated; Mass Fore Limb 1, Large (>15mm), Right; Pale
	SD608	1310	06/12/17	02:06	608	87	620.6		Euthanized Moribund	Coat Ruffled; Lethargic; Mass Abdomen 1, Bilateral, Large (>15mm), Ulcerated; Pale; Thin
	SD610	1341	06/14/17	08:30	610	88	285.9		Found Dead	Mass Abdomen 1, Bilateral, Large (>15mm)
	SD612	1312	06/16/17	01:45	612	88	306.7		Euthanized Moribund	Coat Ruffled; Distended Abdomen; Lethargic; Pale; Thin
	SD638	1309	07/12/17	06:36	638	92	409.8		Scheduled Removal (Terminal)	Normal
	SD638	1311	07/12/17	06:39	638	92	281.6		Scheduled Removal (Terminal)	Discharge Nose/Snout Red; Mass Abdomen 1, Large (>15mm), Right
	SD638	1322	07/12/17	06:42	638	92	558.8		Scheduled Removal (Terminal)	Coat Ruffled; Discharge Eye Bilateral, Red; Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm); Pale; Thin
	SD638	1323	07/12/17	06:43	638	92	407.8		Scheduled Removal (Terminal)	Mass Thorax 1, Bilateral, Large (>15mm)
	SD638	1324	07/12/17	06:44	638	92	362.5		Scheduled Removal (Terminal)	Normal
	SD638	1332	07/12/17	06:45	638	92	428.9		Scheduled Removal (Terminal)	Normal
	SD638	1333	07/12/17	06:49	638	92	397.0		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Left, Medium (6-15mm)
	SD638	1334	07/12/17	06:51	638	92	388.6		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 1, Large (>15mm), Right

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD638	1337	07/12/17	06:52	638	92	474.2		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right
	SD638	1338	07/12/17	06:55	638	92	477.4		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right
	SD639	1302	07/13/17	06:44	639	92	415.2		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Left
	SD639	1304	07/13/17	06:45	639	92	362.6		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1307	07/13/17	06:46	639	92	327.9		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1308	07/13/17	06:46	639	92	420.1		Scheduled Removal (Terminal)	Normal
	SD639	1313	07/13/17	06:48	639	92	430.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Mass Fore Limb 1, Large (>15mm), Left
	SD639	1314	07/13/17	06:49	639	92	487.2		Scheduled Removal (Terminal)	Distended Abdomen; Mass Thorax 1, Large (>15mm), Left
	SD639	1317	07/13/17	06:51	639	92	388.7		Scheduled Removal (Terminal)	Mass Abdomen 2, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right
	SD639	1325	07/13/17	06:52	639	92	423.3		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD639	1326	07/13/17	06:53	639	92	466.4		Scheduled Removal (Terminal)	Coat Ruffled; Mass Fore Limb 1, Large (>15mm), Left; Pale; Thin
	SD639	1331	07/13/17	06:54	639	92	331.5		Scheduled Removal (Terminal)	Normal
	SD639	1345	07/13/17	06:56	639	92	484.6		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 1, Large (>15mm), Left; Pale
	SD639	1346	07/13/17	06:59	639	92	481.0		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm)

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
100	SD639	1347	07/13/17	07:01	639	92	436.4		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Mass Hind Limb 1, Large (>15mm), Right; Mass Thorax 1, Large (>15mm), Right; Thin
	SD640	1344	07/14/17	06:35	640	92	453.1		Scheduled Removal (Terminal)	Kinked Tail; Mass Fore Limb 1, Large (>15mm), Left
	SD640	1349	07/14/17	06:39	640	92	409.7		Scheduled Removal (Terminal)	Mass Abdomen 1, Medium (6-15mm), Right; Mass Fore Limb 1, Large (>15mm), Right
	SD640	1350	07/14/17	06:40	640	92	529.3		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Left
	SD325	1354	09/02/16	08:35	325	47	460.6		Euthanized Moribund	Discharge Nose/Snout Red; Hunched; Mass Thorax Left, Ulcerated; Thin
	SD343	1363	09/20/16	08:59	343	49	445.3		Euthanized Moribund	Mass Abdomen 1, Bilateral, Large (>15mm), Ulcerated; Mass Thorax 1, Large (>15mm), Left; Pale; Thin
	SD361	1392	10/08/16	08:43	361	52	318.0		Euthanized Moribund	Coat Ruffled; Cold To Touch; Kinked Tail; Lethargic; Pale
	SD372	1381	10/19/16	01:10	372	54	293.9		Euthanized Moribund	Coat Ruffled; Mass Head 1, Large (>15mm), Left, Ulcerated; Pale
	SD405	1395	11/21/16	02:02	405	58	291.7		Found Dead	Kinked Tail; Mass Thorax 1, Large (>15mm), Left, Ulcerated
	SD423	1365	12/09/16	07:07	423	61	350.2		Found Dead	Mass Thorax 1, Large (>15mm), Right, Ulcerated; Pale; Thin
	SD451	1382	01/06/17	01:03	451	65	508.5		Euthanized Moribund	Mass Abdomen 1, Bilateral, Large (>15mm), Scabbed; Pale
	SD454	1351	01/09/17	11:48	454	65	485.0		Euthanized Moribund	Coat Ruffled; Lethargic; Mass Thorax 1, Large (>15mm), Left, Ulcerated; Pale; Thin
	SD461	1391	01/16/17	08:37	461	66	193.8		Euthanized Moribund	Cold To Touch; Lethargic; Pale; Thin
	SD472	1360	01/27/17	02:31	472	68	715.2		Euthanized Moribund	Coat Ruffled; Lethargic; Mass Thorax 1, Large (>15mm), Left, Ulcerated; Pale

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD479	1362	02/03/17	12:37	479	69	318.5		Euthanized Moribund	Eye Abnormality Left; Mass Head 1, Large (>15mm), Left
	SD500	1352	02/24/17	02:48	500	72	398.4		Found Dead	Normal
	SD505	1399	03/01/17	08:30	505	73	477.2		Found Dead	Mass Abdomen 1, Bilateral, Large (>15mm); Mass Dorsum 1, Large (>15mm), Right, Ulcerated
	SD514	1367	03/10/17	02:57	514	74	324.2		Euthanized Moribund	Eye Abnormality Bilateral; Lethargic; Thin
	SD535	1386	03/31/17	02:55	535	77	599.4		Euthanized Moribund	Lethargic; Mass Abdomen 1, Bilateral, Large (>15mm); Pale
	SD549	1364	04/14/17	02:37	549	79	531.8		Euthanized Moribund	Discharge Nose/Snout Bilateral, Red; Mass Thorax 1, Large (>15mm), Right; Pale; Thin
	SD556	1370	04/21/17	12:44	556	80	353.7		Euthanized Moribund	Coat Ruffled; Eye Abnormality Bilateral; Hunched; Lethargic; Mass Thorax 1, Left, Medium (6-15mm)
	SD567	1388	05/02/17	02:08	567	81	636.4		Euthanized Moribund	Coat Ruffled; Lethargic; Mass Dorsum 1, Large (>15mm), Left, Ulcerated; Pale; Thin
	SD584	1390	05/19/17	07:49	584	84	424.2		Euthanized Moribund	Breathing, labored; Lethargic; Mass Abdomen 1, Large (>15mm), Left
	SD591	1368	05/26/17	02:28	591	85	654.2		Euthanized Moribund	Coat Ruffled; Mass Thorax 1, Large (>15mm), Right; Thin
	SD617	1384	06/21/17	10:12	617	89	349.7		Euthanized Moribund	Coat Ruffled; Head Tilt; Lethargic; Mass Thorax 1, Large (>15mm), Left
	SD617	1400	06/21/17	09:19	617	89	519.8		Euthanized Moribund	Coat Ruffled; Kinked Tail; Lethargic; Mass Thorax 1, Large (>15mm), Right; Pale
	SD625	1357	06/29/17	07:31	625	90	299.7		Found Dead	Normal
	SD632	1355	07/06/17	12:40	632	91	256.7		Euthanized Moribund	Breathing, labored; Coat Ruffled; Cold To Touch; Discharge Eye Left, Red; Lethargic; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD638	1356	07/12/17	06:56	638	92	403.3		Scheduled Removal (Terminal)	Normal
	SD638	1358	07/12/17	06:58	638	92	334.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Mass Fore Limb 1, Large (>15mm), Right; Mass Hind Limb 1, Large (>15mm), Right, Ulcerated; Pale
	SD638	1383	07/12/17	07:52	638	92	493.9		Scheduled Removal (Terminal)	Normal
	SD638	1385	07/12/17	06:58	638	92	537.5		Scheduled Removal (Terminal)	Normal
	SD638	1387	07/12/17	06:59	638	92	355.0		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right
	SD638	1393	07/12/17	07:00	638	92	428.7		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left; Pale
	SD638	1394	07/12/17	07:02	638	92	336.6		Scheduled Removal (Terminal)	Kinked Tail
	SD638	1396	07/12/17	07:02	638	92	407.0		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1359	07/13/17	07:02	639	92	499.9		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right
	SD639	1361	07/13/17	07:03	639	92	390.2		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD639	1366	07/13/17	07:03	639	92	408.3		Scheduled Removal (Terminal)	Normal
	SD639	1369	07/13/17	07:47	639	92	441.7		Scheduled Removal (Terminal)	Normal
	SD639	1371	07/13/17	07:48	639	92	391.2		Scheduled Removal (Terminal)	Discharge Vagina Red
	SD639	1372	07/13/17	07:49	639	92	375.4		Scheduled Removal (Terminal)	Normal
	SD639	1373	07/13/17	07:50	639	92	407.6		Scheduled Removal (Terminal)	Kinked Tail; Mass Thorax 1, Large (>15mm), Right
	SD639	1374	07/13/17	07:51	639	92	335.9		Scheduled Removal (Terminal)	Kinked Tail; Pale

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
300	SD639	1375	07/13/17	07:51	639	92	490.3		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Right
	SD639	1376	07/13/17	07:52	639	92	533.9		Scheduled Removal (Terminal)	Normal
	SD639	1377	07/13/17	07:53	639	92	468.8		Scheduled Removal (Terminal)	Mass Abdomen 1, Left, Medium (6-15mm)
	SD639	1378	07/13/17	07:54	639	92	357.1		Scheduled Removal (Terminal)	Alopecia Dorsum Bilateral
	SD639	1379	07/13/17	07:54	639	92	429.9		Scheduled Removal (Terminal)	Mass Thorax 2, Large (>15mm), Left
	SD639	1380	07/13/17	07:55	639	92	317.0		Scheduled Removal (Terminal)	Mass Hind Limb 1, Large (>15mm), Right
	SD639	1389	07/13/17	07:05	639	92	423.0		Scheduled Removal (Terminal)	Discharge Nose/Snout Red; Mass Fore Limb 1, Large (>15mm), Right, Ulcerated; Pale
	SD639	1397	07/13/17	07:07	639	92	400.6		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left
	SD639	1398	07/13/17	07:08	639	92	463.3		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right
	SD640	1353	07/14/17	06:42	640	92	482.5		Scheduled Removal (Terminal)	Normal
	SD119	1431	02/09/16	09:45	119	17	300.5		Found Dead	Kinked Tail
	SD220	1419	05/20/16	11:17	220	32	431.8		Euthanized Moribund	Mass Abdomen Left
	SD232	1402	06/01/16	02:46	232	34	320.9		Euthanized Moribund	Breathing, rapid; Coat Ruffled; Mass Hind Limb Ulcerated; Pale
	SD272	1420	07/11/16	08:02	272	39	363.8		Found Dead	Normal
	SD325	1421	09/02/16	09:07	325	47	504.3		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Mass Thorax Right, Ulcerated; Pale; Thin
	SD325	1424	09/02/16	09:15	325	47	525.1		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Lethargic; Mass Abdomen Bilateral, Ulcerated; Pale; Thin

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD436	1437	12/22/16	02:41	436	63	519.9		Euthanized Moribund	Coat Ruffled; Kinked Tail; Mass Fore Limb 1, Large (>15mm), Right; Mass Thorax 1, Large (>15mm), Right, Scabbed; Pale; Thin
	SD444	1403	12/30/16	02:32	444	64	430.6		Euthanized Moribund	Mass Abdomen 2, Large (>15mm), Left, Scabbed; Pale; Thin
	SD464	1409	01/19/17	02:34	464	67	269.0		Found Dead	Normal
	SD476	1415	01/31/17	02:59	476	68	254.9		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Hunched; Lethargic; Pale; Thin
	SD486	1429	02/10/17	01:30	486	70	604.9		Euthanized Moribund	Kinked Tail; Lethargic; Mass Abdomen 1, Large (>15mm), Right, Ulcerated; Pale; Thin
	SD517	1422	03/13/17	12:48	517	74	417.0		Euthanized Moribund	Coat Ruffled; Discharge Eye Red; Discharge Nose/Snout Red; Lethargic; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin
	SD518	1425	03/14/17	07:44	518	74	675.9		Euthanized Moribund	Coat Ruffled; Mass Abdomen 1, Large (>15mm), Left; Thin
	SD533	1441	03/29/17	02:45	533	77	473.9		Found Dead	Normal
	SD543	1413	04/08/17	08:23	543	78	413.9		Found Dead	Mass Thorax 1, Large (>15mm), Right
	SD546	1405	04/11/17	01:45	546	78	500.6		Found Dead	Mass Abdomen 2, Bilateral, Large (>15mm)
	SD546	1434	04/11/17	02:09	546	78	305.5		Euthanized Moribund	Kinked Tail; Lethargic; Mass Abdomen 1, Medium (6-15mm); Pale
	SD556	1432	04/21/17	12:47	556	80	346.5		Euthanized Moribund	Coat Ruffled; Eye Abnormality Bilateral; Hunched; Kinked Tail; Lethargic; Mass Thorax 1, Medium (6-15mm), Right
	SD557	1444	04/22/17	01:57	557	80	326.1		Found Dead	Kinked Tail; Mass Thorax 1, Large (>15mm), Right; Partially Cannibalized

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD577	1414	05/12/17	03:15	577	83	656.2		Euthanized Moribund	Kinked Tail; Lethargic; Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 1, Bilateral, Large (>15mm); Pale; Thin
	SD581	1449	05/16/17	02:50	581	83	661.4		Euthanized Moribund	Kinked Tail; Mass Abdomen 1, Large (>15mm), Right; Pale; Thin
	SD597	1417	06/01/17	03:58	597	86	334.9		Euthanized Moribund	Coat Ruffled; Eye Shut Bilateral; Lethargic
	SD605	1438	06/09/17	02:20	605	87	445.7		Euthanized Moribund	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right, Ulcerated; Pale
	SD636	1433	07/10/17	06:50	636	91	453.7		Found Dead	Mass Thorax 1, Bilateral, Large (>15mm)
	SD638	1401	07/12/17	07:03	638	92	325.4		Scheduled Removal (Terminal)	Damaged Tail; Mass Thorax 1, Bilateral, Large (>15mm)
	SD638	1404	07/12/17	07:05	638	92	267.7		Scheduled Removal (Terminal)	Coat Ruffled; Hunched; Mass Abdomen 1, Large (>15mm), Right
	SD638	1423	07/12/17	07:53	638	92	391.4		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right
	SD638	1426	07/12/17	07:54	638	92	336.8		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Right
	SD638	1435	07/12/17	07:07	638	92	498.8		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left
	SD638	1436	07/12/17	07:09	638	92	358.7		Scheduled Removal (Terminal)	Kinked Tail; Mass Thorax 1, Large (>15mm), Left; Opacity Eye Right
	SD638	1439	07/12/17	07:11	638	92	418.1		Scheduled Removal (Terminal)	Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 1, Large (>15mm), Right
	SD638	1440	07/12/17	07:12	638	92	502.1		Scheduled Removal (Terminal)	Kinked Tail
	SD638	1442	07/12/17	07:14	638	92	486.1		Scheduled Removal (Terminal)	Mass Abdomen 2, Bilateral, Large (>15mm)

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD639	1406	07/13/17	07:09	639	92	321.7		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD639	1407	07/13/17	07:09	639	92	374.4		Scheduled Removal (Terminal)	Normal
	SD639	1408	07/13/17	07:10	639	92	383.3		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Left
	SD639	1410	07/13/17	07:12	639	92	547.3		Scheduled Removal (Terminal)	Distended Abdomen
	SD639	1411	07/13/17	07:13	639	92	408.5		Scheduled Removal (Terminal)	Normal
	SD639	1412	07/13/17	07:13	639	92	404.3		Scheduled Removal (Terminal)	Normal
	SD639	1443	07/13/17	07:15	639	92	464.5		Scheduled Removal (Terminal)	Discharge Nose/Snout Red; Mass Thorax 1, Large (>15mm), Left; Pale
	SD639	1445	07/13/17	07:15	639	92	410.0		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1446	07/13/17	07:16	639	92	318.1		Scheduled Removal (Terminal)	Kinked Tail; Mass Thorax 1, Large (>15mm), Right
	SD639	1447	07/13/17	07:17	639	92	467.9		Scheduled Removal (Terminal)	Damaged Tail; Mass Abdomen 1, Large (>15mm), Right
	SD639	1448	07/13/17	07:18	639	92	441.6		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1450	07/13/17	07:19	639	92	463.8		Scheduled Removal (Terminal)	Kinked Tail
	SD640	1416	07/14/17	06:43	640	92	354.3		Scheduled Removal (Terminal)	Normal
	SD640	1418	07/14/17	06:45	640	92	402.6		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right
	SD640	1427	07/14/17	07:16	640	92	404.1		Scheduled Removal (Terminal)	Kinked Tail
	SD640	1428	07/14/17	07:17	640	92	376.0		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
1000	SD640	1430	07/14/17	07:19	640	92	348.8		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Right; Mass Thorax 1, Large (>15mm), Right
	SD122	1484	02/12/16	10:14	122	18	270.3		Euthanized Moribund	Discharge Eye Red; Discharge Nose/Snout Red
	SD232	1453	06/01/16	02:47	232	34	268.6		Euthanized Moribund	Ataxia, No grade recorded; Coat Ruffled; Cold To Touch; Damaged Tail; Discharge Nose/Snout Red; Eye Abnormality Bilateral; Gait Abnormal; Hunched
	SD264	1486	07/03/16	01:48	264	38	195.9		Found Dead	Missing Tail; Partially Cannibalized
	SD388	1471	11/04/16	08:18	388	56	322.0		Found Dead	Normal
	SD405	1483	11/21/16	07:40	405	58	539.5		Found Dead	Mass Abdomen 2, Bilateral, Large (>15mm), Ulcerated; Thin
	SD421	1460	12/07/16	02:39	421	61	290.6		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Mass Thorax 2, Bilateral, Large (>15mm); Pale; Thin
	SD427	1452	12/13/16	07:58	427	61	407.4		Found Dead	Normal
	SD428	1472	12/14/16	01:07	428	62	249.5		Euthanized Moribund	Discharge Vagina Red; Eye Abnormality Bilateral; Head Tilt; Lethargic; Pale; Thin
	SD461	1454	01/16/17	08:51	461	66	320.9		Euthanized Moribund	Lethargic; Pale
	SD461	1500	01/16/17	08:41	461	66	168.5		Euthanized Moribund	Cold To Touch; Hunched; Kinked Tail; Mass Abdomen Ulcerated; Pale; Thin
	SD479	1456	02/03/17	12:27	479	69	426.8		Euthanized Moribund	Mass Abdomen 1, Large (>15mm), Left, Ulcerated; Mass Dorsum 1, Large (>15mm), Left; Pale; Thin
	SD490	1478	02/14/17	02:35	490	70	563.3		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Bilateral, Red; Kinked Tail; Mass Fore Limb 1, Large (>15mm), Left; Mass Hind Limb 1, Large (>15mm), Right; Pale; Thin

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD504	1457	02/28/17	02:26	504	72	241.2		Euthanized Moribund	Ataxia, Severe; Coat Ruffled; Cold To Touch; Head Tilt; Lethargic; Thin
	SD514	1477	03/10/17	02:28	514	74	275.6		Euthanized Moribund	Coat Ruffled; Kinked Tail; Lethargic; Mass Abdomen 2, Bilateral, Large (>15mm), Ulcerated; Thin
	SD532	1476	03/28/17	02:38	532	76	575.8		Euthanized Moribund	Gait Abnormal; Hunched; Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm); Pale
	SD532	1487	03/28/17	02:41	532	76	332.8		Euthanized Moribund	Coat Ruffled; Eye Abnormality Bilateral; Mass Abdomen 1, Large (>15mm), Right; Mass Head 1, Bilateral, Large (>15mm), Scabbed; Mass Head 1, Bilateral, Large (>15mm), Ulcerated; Pale
	SD535	1467	03/31/17	02:56	535	77	242.0		Euthanized Moribund	Coat Ruffled; Discharge Nose/Snout Red; Hunched; Lethargic; Thin; Tremors, Mild
	SD535	1492	03/31/17	03:00	535	77	402.5		Euthanized Moribund	Breathing, gasping; Discharge Eye Red; Discharge Nose/Snout Red; Lethargic; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left
	SD549	1491	04/14/17	02:39	549	79	192.2		Found Dead	Mass Abdomen 1, Medium (6-15mm), Right; Thin
	SD560	1499	04/25/17	03:03	560	80	339.8		Euthanized Moribund	Coat Ruffled; Maloccluded/Broken Teeth; Mass Abdomen 1, Large (>15mm), Right; Mass Head 1, Large (>15mm), Right, Ulcerated; Mass Hind Paw 1, Medium (6-15mm), Right; Pale
	SD561	1496	04/26/17	08:36	561	81	369.4		Euthanized Moribund	Breathing, labored; Kinked Tail; Mass Abdomen 1, Large (>15mm), Left; Mass Thorax 1, Large (>15mm), Left; Paralysis Hind Limb Bilateral
	SD574	1493	05/09/17	10:43	574	82	331.9		Found Dead	Mass Hind Limb 1, Medium (6-15mm), Right

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**102: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD597	1482	06/01/17	04:04	597	86	266.5		Euthanized Moribund	Discharge Nose/Snout Red; Hunched; Lethargic; Mass Thorax 1, Left, Medium (6-15mm)
	SD602	1459	06/06/17	09:14	602	86	524.4		Euthanized Moribund	Lethargic; Mass Thorax 1, Large (>15mm), Right, Ulcerated; Pale; Thin
	SD602	1489	06/06/17	09:16	602	86	620.4		Euthanized Moribund	Coat Ruffled; Discharge Eye Left, Red; Discharge Nose/Snout Red; Lethargic; Mass Abdomen 2, Bilateral, Large (>15mm); Pale
	SD603	1481	06/07/17	02:04	603	87	287.5		Euthanized Moribund	Ataxia, Moderate; Coat Ruffled; Discharge Eye Left, Red; Discharge Nose/Snout Red; Head Tilt; Kinked Tail; Thin
	SD609	1458	06/13/17	03:56	609	87	437.5		Found Dead	Kinked Tail; Mass Thorax 1, Large (>15mm), Left, Ulcerated
	SD609	1490	06/13/17	04:00	609	87	237.6		Euthanized Moribund	Coat Ruffled; Hunched; Lethargic; Mass Thorax 1, Large (>15mm), Right; Seizure
	SD610	1469	06/14/17	02:56	610	88	227.6		Euthanized Moribund	Ataxia, Severe; Coat Ruffled; Head Tilt; Hunched; Lethargic; Thin
	SD630	1468	07/04/17	07:13	630	90	356.6		Found Dead	Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm); Partially Cannibalized
	SD635	1479	07/09/17	02:43	635	91	268.6		Found Dead	Partially Cannibalized
	SD637	1463	07/11/17	02:31	637	91	301.4		Euthanized Moribund	Breathing, shallow; Coat Ruffled; Kinked Tail; Lethargic
	SD638	1473	07/12/17	07:56	638	92	377.2		Scheduled Removal (Terminal)	Mass Abdomen 1, Bilateral, Large (>15mm)
	SD638	1474	07/12/17	07:57	638	92	430.9		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD638	1475	07/12/17	07:57	638	92	337.7		Scheduled Removal (Terminal)	Normal
	SD638	1485	07/12/17	07:58	638	92	354.8		Scheduled Removal (Terminal)	Normal

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**I02: Animal Removals: Chronological Description (Chronic Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Date Report Requested:** 04/14/2022**Time Report Requested:** 10:13:07**Lab:** Battelle**F1 Females: F1 Core Animals**

Treatment Groups (mg/L)	Phase Day	Animal ID	Removal Date	Removal Time	Day	Week	Terminal Weight (g)	Removal Wt Status	Removal Reason	Removal Clinical Obs
	SD638	1488	07/12/17	07:15	638	92	370.6		Scheduled Removal (Terminal)	Normal
	SD638	1494	07/12/17	07:16	638	92	374.7		Scheduled Removal (Terminal)	Mass Abdomen 1, Medium (6-15mm), Right
	SD638	1495	07/12/17	07:17	638	92	375.3		Scheduled Removal (Terminal)	Mass Abdomen 1, Large (>15mm), Left
	SD638	1497	07/12/17	07:18	638	92	598.4		Scheduled Removal (Terminal)	Coat Ruffled; Mass Abdomen 1, Bilateral, Large (>15mm); Mass Thorax 2, Bilateral, Large (>15mm); Thin
	SD638	1498	07/12/17	07:19	638	92	419.9		Scheduled Removal (Terminal)	Normal
	SD639	1455	07/13/17	07:19	639	92	401.2		Scheduled Removal (Terminal)	Kinked Tail
	SD639	1461	07/13/17	07:20	639	92	227.4		Scheduled Removal (Terminal)	Normal
	SD639	1462	07/13/17	07:21	639	92	221.5		Scheduled Removal (Terminal)	Head Tilt
	SD639	1466	07/13/17	07:22	639	92	310.9		Scheduled Removal (Terminal)	Normal
	SD639	1470	07/13/17	07:56	639	92	363.0		Scheduled Removal (Terminal)	Mass Hind Limb 1, Large (>15mm), Left
	SD639	1480	07/13/17	07:57	639	92	478.6		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right
	SD640	1451	07/14/17	06:48	640	92	304.4		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Bilateral, Large (>15mm)
	SD640	1464	07/14/17	06:49	640	92	478.8		Scheduled Removal (Terminal)	Kinked Tail; Mass Abdomen 1, Large (>15mm), Left
	SD640	1465	07/14/17	06:51	640	92	387.1		Scheduled Removal (Terminal)	Mass Thorax 1, Large (>15mm), Right

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I02: Animal Removals: Chronological Description (Chronic Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 04/14/2022

Time Report Requested: 10:13:07

Lab: Battelle

LEGEND

Removal clinical observations reported for day of death or day preceding death if none recorded on day of death

SD – Study Day

"Removal Wt Status" are items noted at time of removal (e.g. exclude weight).

For the F1 generation animals, Study Days are defined as the number of days after interim sacrifice animals were removed. On Study Day 0, animals were between 123 and 128 days of age.

**** END OF REPORT ****